

SAFETY DATA SHEET
MACHINE KLEEN

Printed: 10/14/2021
Revision: 10/14/2021

1. Product and Company Identification

Product Code: 60-160
Product Name: MACHINE KLEEN
Trade Name: Machine Dishwash Liquid
Company Name: Wheeler's Janitorial Supplies & Equipment
P.O. Box 958
Crystal Springs, MS 39059
Emergency Contact: Chem Tel (800)255-3924
Information: Wheeler's Janitorial (601)892-7547

2. Hazards Identification

Corrosive To Metals, Category 1
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 1A
Serious Eye Damage/Eye Irritation, Category 1
Skin Corrosion/Irritation, Category 1B
Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: **Danger**

GHS Hazard Phrases: May be corrosive to metals.
Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause respiratory irritation.

GHS Precaution Phrases: Keep only in original container.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Specific treatment see ... on this label.
Rinse mouth.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.

GHS Storage and Disposal Phrases: Store locked up.
Dispose of contents/container to licensed facility....

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Potential Health Effects
(Acute and Chronic):

Hazards not otherwise classified (HNOC) or not covered by GHS -none.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-58-3	Potassium hydroxide	<=20.0 %
10213-79-3	Sodium meta silicate	<=10.0 %

4. First Aid Measures

Emergency and First Aid Procedures:	<i>Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.</i>
In Case of Inhalation:	<i>If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.</i>
In Case of Skin Contact:	<i>Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.</i>
In Case of Eye Contact:	<i>Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.</i>
In Case of Ingestion:	<i>Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.</i>
Signs and Symptoms Of Exposure:	<i>The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11</i>
Indication of any immediate medical attention and special treatment needed:	<i>No data available.</i>

5. Fire Fighting Measures

Flash Pt:	<i>NA</i>	Method Used:	<i>Estimate</i>
Explosive Limits:	<i>LEL:</i>		<i>UEL:</i>
Autoignition Pt:			
Suitable Extinguishing Media:	<i>Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</i>		
Fire Fighting Instructions:	<i>Wear self contained breathing apparatus for fire fighting if necessary. Further information.</i>		
Flammable Properties and Hazards:	<i>No data available. Sodium oxides.</i>		
Hazardous Combustion Products:			

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	<i>Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8. Use personal protective equipment.</i>
Environmental Precautions:	<i>Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.</i>
Steps To Be Taken In Case Material Is Released Or Spilled:	<i>Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.</i>

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7. Handling and Storage

Precautions To Be Taken in Handling:	<i>Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.</i>
Precautions To Be Taken in Storing:	<i>Keep container tightly closed in a dry and well-ventilated place. Absorbs carbon dioxide from air. Air sensitive. strongly hygroscopic. Storage class 510) Non-combustible, corrosive hazardous materials.</i>
Other Precautions:	<i>Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.</i>

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-58-3	Potassium hydroxide		CEIL: 2 mg/m3	
10213-79-3	Sodium meta silicate			
Respiratory Equipment (Specify Type):	<i>Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</i>			
Eye Protection:	<i>Face shield and safety glasses.</i>			
Protective Gloves:	<i>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact. Material: Nitrile rubber Minimum layer thickness: 0.11 mm. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.</i>			
Other Protective Clothing:	<i>Complete suit protecting against chemicals.</i>			
Engineering Controls (Ventilation etc.):	<i>Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.</i>			
Environmental Exposure Controls:	<i>Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.</i>			

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9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	colorless. characteristic odor.	
pH:	~ 13.5	
Melting Point:	361.00 C	
Boiling Point:	1.00 C	
Flash Pt:	NA Method Used: Estimate	
Evaporation Rate:	NE	
Flammability (solid, gas):		
Explosive Limits:	LEL:	UEL:
Vapor Pressure (vs. Air or mm Hg):	NE	
Vapor Density (vs. Air = 1):	NE	
Specific Gravity (Water = 1):	~ 1.110	
Density:	~ 1.5 G/CM3	
Bulk density:	NE	
Solubility in Water:	~ complete	
Saturated Vapor Concentration:	NE	
Octanol/Water Partition Coefficient:		
Autoignition Pt:		
Decomposition Temperature:		
Viscosity:	NE	
Particle Size:	NE	
Heat Value:	NE	
Corrosion Rate:	NE	

10. Stability and Reactivity

Reactivity:	No data available.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Heat of solution is very high, and with limited amounts of water, violent boiling may occur. No data available.
Incompatibility - Materials To Avoid:	Nitro compounds, Organic materials, magnesium, Copper, Water, Reacts violently with 1, Metals, Contact with aluminum, tin and zinc liberates hydrogen gas. Contact with nitromethane and other similar nitro compounds causes formation of shock-sensitive salts. vigorous reaction with: Alkali metals, Halogens, Azides, Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	No data available. In the event of fire: see section 5.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information:	<i>Dermal. No data available.</i>
Irritation or Corrosion:	<i>Skin corrosion/irritation. Result: Tumorigenic: Tumors at site or application. Severe eye irritation -24. Serious eye damage/eye irritation: Eyes: Rabbit. Corrosive to eyes. Serious eye damage/eye irritation no data available.</i>
Sensitization:	<i>No data available.</i>
Chronic Toxicological Effects:	<i>Specific target organ toxicity -single exposure (Globally Harmonized System) No data available. Specific target organ toxicity -repeated exposure: no data available. Specific target organ toxicity -single exposure: May cause respiratory irritation.</i>
Carcinogenicity/Other Information:	<i>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</i>
Carcinogenicity:	<i>NTP? No IARC Monographs? No OSHA Regulated? No</i>

12. Ecological Information

General Ecological Information:	<i>No data available.</i>
Results of PBT and vPvB assessment:	<i>PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.</i>
Persistence and Degradability:	<i>The methods for determining the biological degradability are not applicable to inorganic substances. No data available.</i>
Bioaccumulative Potential:	<i>No data available.</i>
Mobility in Soil:	<i>No data available.</i>
Other adverse effects:	<i>An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life. No data available.</i>

13. Disposal Considerations

Waste Disposal Method:	<i>Product. Offer surplus and non-recyclable solutions to a licensed disposal company. If You are unsure how to properly dispose of waste, Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Contaminated packaging.</i>
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14. Transport Information

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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: *Compounds, cleaning liquid. (Potassium hydroxide, Sodium meta silicate)*

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: NA1760

Packing Group: III



15. Regulatory Information

**Regulatory Information
Statement:**

16. Other Information

Revision Date: 10/14/2021

Hazard Rating System:

HEALTH		2
FLAMMABILITY		0
PHYSICAL		0
PPE		B

HMIS:



**Additional Information About
This Product:
Company Policy or
Disclaimer:**

MATERIAL SAFETY DATA SHEET
COMPLIES WITH OSHA's HAZARD COMMUNICATION STANDARD (29 CFT 1910.1200)

SECTION I – PRODUCT IDENTIFICATION

Product Name: Disinfectant Neutral Cleaner
Product Number: #13
Product Type: Liquid Cleaner
Supplier's Name: Wepak Corporation
Supplier's Address: 314 W. Bland St./Charlotte, NC 28203

Date Prepared: 02/27/09
Emergency Phone: (800) 438-4270

HMIS Rating
Minimal: 0 Slight: 1
Moderate: 2 Serious: 3
Extreme: 4
HEALTH: 1/**FIRE:** 1
REACTIVITY: 0

SECTION II – HAZARDOUS INGREDIENTS

Chemical Name	CAS#	OSHA PEL	TLV (source)
Isopropanol Anhydrous	67-63-0	400 ppm	400 ppm
Alkyl Dimethyl Benzyl			
Ammonium Chloride	139-08-2	N/A	N/A
Tergitol Nonionic			
Surfactant NP10	26027-38-3	N/L	N/L

SECTION III – PHYSICAL DATA

Boiling Point: N/A
Ph: 7.5
Solubility in Water: Complete
Appearance/Odor: Blue liquid, floral fragrance.

Evaporation Rate (Butyl Acetate = 1): N/A
Melting Point: N/A
Vapor Density (Air = 1): N/A
Specific Gravity (H2O = 1): .9964

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: 212°F Tag O.C.
Extinguishing Media: Water, Carbon Dioxide, Foam
Unusual Fire and Explosion Hazards: N/A

Flammability Limits: None
Special Fire Fighting Procedures: N/A

SECTION V – REACTIVITY DATA

Stability: Material stable.
Incompatibility: None known.

Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: None known.

SECTION VI – STORAGE AND HANDLING

Precautions to be Taken in Handling/Storage: Keep away from heat or open flame. Avoid contamination of food or food stuff.

SECTION VII – HEALTH AND FIRST AID

Eyes: Flush with water for 15 minutes. See a physician.

Skin: Flush with water for 15 minutes.

Ingestion: Drink large quantities of raw egg white or water. Note to Physician: do not induce vomiting. Probable mucous damage, may contradict gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

Inhalation: If bothersome, remove to fresh air.

SECTION VIII – SPECIAL PROTECTION DATA

Protective Gloves: Required.
Eye Protection: Required.
Respiratory Protection: N/A

Ventilation: Local exhaust.
Other Protective Clothing/Equipment: N/A

SECTION IX – SPILL OR LEAK PROTECTION

Steps to be Taken in Case of Spill or Leak: Extinguish all sources of ignition. Squeegee or mop into drain and flush with water. For large quantities, soak up with absorbent material such as clay or sawdust.

Waste Disposal Method: Dispose of waste in accordance with Federal, State and Local ordinances.

N/A = NON APPLICABLE N/E = NOT ESTABLISHED N/D = NOT DETERMINED N/L = NOT LISTED

NOTICE: The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty (expressed or implied) of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.

MATERIAL SAFETY DATA SHEET
COMPLIES WITH OSHA's HAZARD COMMUNICATION STANDARD (29 CFT 1910.1200)

SECTION I – PRODUCT IDENTIFICATION

Product Name: Disinfectant Neutral Cleaner
Product Number: #13
Product Type: Liquid Cleaner
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Supplier's Address: 314 W. Bland St./Charlotte, NC 28203

Date Prepared: 02/27/09
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HMIS Rating
Minimal: 0 Slight: 1
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Extreme: 4
HEALTH: 1/FIRE: 1
REACTIVITY: 0

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Alkyl Dimethyl Benzyl			
Ammonium Chloride	139-08-2	N/A	N/A
Tergitol Nonionic			
Surfactant NP10	26027-38-3	N/L	N/L

SECTION III – PHYSICAL DATA

Boiling Point: N/A
Ph: 7.5
Solubility in Water: Complete
Appearance/Odor: Blue liquid, floral fragrance.

Evaporation Rate (Butyl Acetate = 1): N/A
Melting Point: N/A
Vapor Density (Air = 1): N/A
Specific Gravity (H2O = 1): .9964

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: 212°F Tag O.C.
Extinguishing Media: Water, Carbon Dioxide, Foam
Unusual Fire and Explosion Hazards: N/A

Flammability Limits: None
Special Fire Fighting Procedures: N/A

SECTION V – REACTIVITY DATA

Stability: Material stable.
Incompatibility: None known.

Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: None known.

SECTION VI – STORAGE AND HANDLING

Precautions to be Taken in Handling/Storage: Keep away from heat or open flame. Avoid contamination of food or food stuff.

SECTION VII – HEALTH AND FIRST AID

Eyes: Flush with water for 15 minutes. See a physician.
Skin: Flush with water for 15 minutes.

Ingestion: Drink large quantities of raw egg white or water. Note to Physician: do not induce vomiting. Probable mucous damage, may contradict gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

Inhalation: If bothersome, remove to fresh air.

SECTION VIII – SPECIAL PROTECTION DATA

Protective Gloves: Required.
Eye Protection: Required.
Respiratory Protection: N/A

Ventilation: Local exhaust.
Other Protective Clothing/Equipment: N/A

SECTION IX – SPILL OR LEAK PROTECTION

Steps to be Taken in Case of Spill or Leak: Extinguish all sources of ignition. Squeegee or mop into drain and flush with water. For large quantities, soak up with absorbent material such as clay or sawdust.

Waste Disposal Method: Dispose of waste in accordance with Federal, State and Local ordinances.

N/A = NON APPLICABLE N/E = NOT ESTABLISHED N/D = NOT DETERMINED N/L = NOT LISTED

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Issue Date: 24-Jan-2010

Revision Date: 10-Dec-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Neutral Cleaner Concentrate

Other means of identification

SDS # WC-009

Product Code #58

Recommended use of the chemical and restrictions on use

Recommended Use Liquid cleaner.

Details of the supplier of the safety data sheet

Supplier Address

Wepak Corporation
314 W. Bland St.
Charlotte, NC 28203

Emergency Telephone Number

Company Phone Number 1-800-438-4270

Emergency Telephone (24 hr) 1-800-438-4270

2. HAZARDS IDENTIFICATION

Appearance Blue liquid

Physical State Liquid

Odor Floral

Classification

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2

Signal Word

Warning

Hazard Statements

Causes skin irritation

Causes serious eye irritation



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash it before reuse

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Nonylphenoxypoly-(Ethyleneoxy) Ethanol	26027-38-3	Proprietary
Dodecyl benzene sulfonic acid	27176-87-0	Proprietary
Cocamidopropyl betaine	61789-40-0	Proprietary
Caustic Soda	1310-73-2	Proprietary

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse.
Inhalation	Remove to fresh air.
Ingestion	Dilute with milk or water. Neutralize by taking 2 tablespoons of vinegar.

Most important symptoms and effects

Symptoms	May cause skin and eye irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water. Foam. Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

None known.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Take up with sand, earth or other non-combustible absorbent material. Place in appropriate containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from freezing.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Caustic Soda 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

Appropriate engineering controls

Engineering Controls Local exhaust ventilation recommended.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Wear suitable gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid	Odor	Floral
Appearance	Blue liquid	Odor Threshold	Not determined
Color	Blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.5	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	Not available	
Flash Point	None	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	None	
Lower Flammability Limit	None	
Vapor Pressure	Not determined	
Vapor Density	Not available	
Specific Gravity	1.0	(1=Water)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Nonylphenoxypoly-(Ethyleneoxy) Ethanol 26027-38-3	-	= 1800 µL/kg (Rabbit)	-
Dodecyl benzene sulfonic acid 27176-87-0	= 500 mg/kg (Rat)	-	-
Cocamidopropyl betaine 61789-40-0	= 4900 mg/kg (Rat)	-	-
Caustic Soda 1310-73-2	-	= 1350 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Dodecyl benzene sulfonic acid 27176-87-0	29: 96 h Pseudokirchneriella subcapitata mg/L EC50	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static 3.5 - 10: 96 h Brachydanio rerio mg/L LC50 static		5.88: 48 h Daphnia magna mg/L EC50
Cocamidopropyl betaine 61789-40-0	1.0 - 10.0: 72 h Desmodesmus subspicatus mg/L EC50 0.55: 96 h Desmodesmus subspicatus mg/L EC50	1.0 - 10.0: 96 h Brachydanio rerio mg/L LC50 2: 96 h Brachydanio rerio mg/L LC50 semi-static		6.5: 48 h Daphnia magna mg/L EC50
Caustic Soda 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Nonylphenoxypoly-(Ethylene oxy) Ethanol 26027-38-3		Included in waste stream: K060		

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Caustic Soda 1310-73-2	Toxic Corrosive

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION**International Inventories**

Not determined

US Federal Regulations**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Dodecyl benzene sulfonic acid 27176-87-0	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Caustic Soda 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

SARA 313

Not determined

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Dodecyl benzene sulfonic acid 27176-87-0 (Proprietary)	1000 lb			X
Caustic Soda 1310-73-2 (Proprietary)	1000 lb			X

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dodecyl benzene sulfonic acid 27176-87-0	X	X	X
Caustic Soda 1310-73-2	X	X	X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Not determined

Issue Date: 24-Jan-2010
Revision Date: 10-Dec-2013
Revision Note: New format

Disclaimer

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End of Safety Data Sheet

Issue Date: 16-Sep-2011

Revision Date: 10-Dec-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Disinfectant Neutral Cleaner

Other means of identification

SDS # WC-012

Product Code #13D

Recommended use of the chemical and restrictions on use

Recommended Use Liquid cleaner/disinfectant.

Details of the supplier of the safety data sheet

Supplier Address

Wepak Corporation
314 W. Bland St.
Charlotte, NC 28203

Emergency Telephone Number

Company Phone Number 1-800-438-4270

Emergency Telephone (24 hr) 1-800-438-4270

2. HAZARDS IDENTIFICATION

Appearance Blue liquid

Physical State Liquid

Odor Floral

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

Signal Word

Warning

Hazard Statements

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Didecyldimonium chloride	7173-51-5	Proprietary
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	Proprietary

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	Remove to fresh air.
Ingestion	Drink large quantities of raw egg white or water. Do not induce vomiting. Call a physician or poison control center immediately.

Most important symptoms and effects

Symptoms	Skin contact may aggravate an existing dermatitis. Contact may cause irritation and redness.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock and convulsions may be necessary.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Non-flammable solution.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required. Remove all sources of ignition.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Soak up with inert absorbent material. Place in appropriate containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use only in well-ventilated areas.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from high heat and open flames. Do not contaminate food or feed stuffs.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Controls Local exhaust ventilation recommended.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear approved safety goggles.

Skin and Body Protection Wear suitable gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Floral
Appearance	Blue liquid	Odor Threshold	Not determined
Color	Blue		
Property	Values	Remarks • Method	
pH	6-8		
Melting Point/Freezing Point	Not available		
Boiling Point/Boiling Range	Not available		
Flash Point	100 °C / 212 °F	Tag Open Cup	
Evaporation Rate	Not available		
Flammability (Solid, Gas)	n/a-liquid		
Upper Flammability Limits	None		
Lower Flammability Limit	None		
Vapor Pressure	Not determined		
Vapor Density	Not available		
Specific Gravity	0.9964	(1=Water)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information****Eye Contact**

Causes serious eye irritation.

Skin Contact

Causes skin irritation. May cause an allergic skin reaction.

Inhalation

Avoid breathing vapors or mists.

Ingestion

Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Didecyltrimonium chloride 7173-51-5	= 84 mg/kg (Rat)	-	-
Nonylphenoxypoly-(Ethyleneoxy) Ethanol 26027-38-3	-	= 1800 µL/kg (Rabbit)	-
Alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1	= 426 mg/kg (Rat)	-	-
Tetrasodium EDTA 64-02-8	= 10 g/kg (Rat)	-	-

Information on physical, chemical and toxicological effects**Symptoms**

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause an allergic skin reaction.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static		610: 24 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility**Other Adverse Effects**

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Nonylphenoxypoly-(Ethylene oxy) Ethanol 26027-38-3		Included in waste stream: K060		

14. TRANSPORT INFORMATION

DOT Not regulated
IATA Not regulated
IMDG Not regulated

15. REGULATORY INFORMATIONInternational Inventories

Not determined

US Federal RegulationsSARA 313

Not determined

US State RegulationsU.S. State Right-to-Know Regulations

Not determined

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Not determined

Issue Date: 16-Sep-2011
Revision Date: 10-Dec-2013
Revision Note: New format

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End of Safety Data Sheet

Issue Date: 04-Jun-2009

Revision Date: 09-Dec-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name RTU Glass Cleaner

Other means of identification

SDS # WC-005
Product Code #60

Recommended use of the chemical and restrictions on use

Recommended Use Solvent based cleaner.

Details of the supplier of the safety data sheet

Supplier Address
Wepak Corporation
314 W. Bland St.
Charlotte, NC 28203

Emergency Telephone Number

Company Phone Number 1-800-438-4270
Emergency Telephone (24 hr) 1-800-438-4270

2. HAZARDS IDENTIFICATION

Appearance Clear blue liquid

Physical State Liquid

Odor Slight alcohol

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isopropyl alcohol	67-63-0	Proprietary

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air.
Ingestion	Dilute with milk or water. Neutralize by taking 2 tablespoons of vinegar. Call a physician or Poison Control Center.

Most important symptoms and effects

Symptoms	May cause skin and eye irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water. Dry chemical. Foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

None known.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use personal protective equipment as required.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Risk of contact: Wear approved safety goggles.

Skin and Body Protection Suitable protective clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Slight alcohol
Appearance	Clear blue liquid	Odor Threshold	Not determined
Color	Blue		
Property	Values	Remarks • Method	
pH	10		
Melting Point/Freezing Point	Not available		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	None		
Evaporation Rate	Not available		
Flammability (Solid, Gas)	n/a-liquid		
Upper Flammability Limits	None		
Lower Flammability Limit	None		
Vapor Pressure	Not determined		
Vapor Density	Not available		
Specific Gravity	0.98	(1=Water)	
Water Solubility	Completely soluble		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Component Information

<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
Isopropyl alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity**

Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens". IPA is classified as an IARC Group 1 chemical ONLY when manufactured by the strong-acid process. The IPA used in this product is NOT manufactured by the strong-acid process and is therefore not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0		Group 3		X

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isopropyl alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50		13299: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Isopropyl alcohol 67-63-0	0.05

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Isopropyl alcohol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION**DOT**

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

Not determined

US Federal Regulations**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl alcohol - 67-63-0	67-63-0	Proprietary	1.0

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl alcohol 67-63-0	X	X	X

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMIS**

Not determined

Not determined

Not determined

Not determined

Health Hazards

Flammability

Physical Hazards

Personal Protection

2

2

0

Not determined

Issue Date:

04-Jun-2009

Revision Date:

09-Dec-2013

Revision Note:

New format

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End of Safety Data Sheet

MATERIAL SAFETY DATA SHEET
COMPLIES WITH OSHA's HAZARD COMMUNICATION STANDARD (29 CFT 1910.1200)

SECTION I – PRODUCT IDENTIFICATION

Product Name: Spray Buff
Product Number: #09
Product Type: Solvent Cleaner
Supplier's Name: Wepak Corporation
Supplier's Address: 314 W. Bland St./Charlotte, NC 28203

Date Prepared: 03/04/09
Emergency Phone: (800) 438-4270

HMIS Rating
Minimal: 0 Slight: 1
Moderate: 2 Serious: 3
Extreme: 4
HEALTH: 1/**FIRE:** 0/
REACTIVITY: 0

SECTION II – HAZARDOUS INGREDIENTS

Chemical Name	CAS#	OSHA PEL	TLV (source)
Diethylene Glycol			
Monobutyl Ether	112-34-5		N/E
Tergitol Nonionic			
Surfactant NP10	26027-38-3	N/L	N/L

SECTION III – PHYSICAL DATA

Boiling Point: 100°C
Ph: 8.5
Solubility in Water: Complete
Appearance/Odor: Clear liquid, solvent odor.

Evaporation Rate (Butyl Acetate = 1): N/A
Melting Point: N/A
Vapor Density (Air = 1): Lighter than air.
Specific Gravity (H2O = 1): 1.00

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: None
Extinguishing Media: Water, Carbon Dioxide, Chemical Foam
Unusual Fire and Explosion Hazards: Material can splatter above 100°C, this is a water emulsion - no fire/explosive hazards expected.

Flammability Limits: None
Special Fire Fighting Procedures: NIOSH approved self-contained respiratory protection should be worn.

SECTION V – REACTIVITY DATA

Stability: Material stable.
Incompatibility: None known.

Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: None known.

SECTION VI – STORAGE AND HANDLING

Precautions to be Taken in Handling/Storage: Wear gloves, goggles and protective clothing to prevent contact with product.

SECTION VII – HEALTH AND FIRST AID

Eyes: May cause eye irritation. Flush with water for 15 minutes. If irritation persists, contact physician.
Skin: Avoid prolonged contact, wash with large amounts of water. Contact physician if irritation develops.
Ingestion: Consult physician immediately.
Inhalation: If bothersome, remove to fresh air.

SECTION VIII – SPECIAL PROTECTION DATA

Protective Gloves: Impervious Rubber Gloves
Eye Protection: Goggles/Face Shield
Respiratory Protection: N/A

Ventilation: Local exhaust.
Other Protective Clothing/Equipment: Wear protective clothing to prevent contact with product.

SECTION IX – SPILL OR LEAK PROTECTION

Steps to be Taken in Case of Spill or Leak: Confine as much as possible. Dike and absorb with inert material such as vermiculite.

Waste Disposal Method: Dispose of waste in accordance with Federal, State and Local requirements.

N/A = NON APPLICABLE N/E = NOT ESTABLISHED N/D = NOT DETERMINED N/L = NOT LISTED

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MATERIAL SAFETY DATA SHEET
COMPLIES WITH OSHA's HAZARD COMMUNICATION STANDARD (29 CFT 1910.1200)

SECTION I – PRODUCT IDENTIFICATION

Product Name: Concentrated Glass Cleaner
Product Number: #59
Product Type: Solvent Cleaner
Supplier's Name: Wepak Corp.
Supplier's Address: 314 W Bland St/Charlotte NC 28203

Date Prepared: 07/12/09
Emergency Phone: (800) 438-4270

HMIS Rating
Minimal: 0 Slight: 1
Moderate: 2 Serious: 3
Extreme: 4
HEALTH: 2/FIRE: 2/
REACTIVITY: 0

SECTION II – HAZARDOUS INGREDIENTS

Chemical Name	CAS#	OSHA PEL	TLV (source)
Tergitol Nonionic			
Surfactant NP10	26027-38-3	N/D	N/D
Ammonium Hydroxide	1336-21-6	N/L	N/L
Isopropanol Alcohol	67-63-0	400ppm	400ppm

SECTION III – PHYSICAL DATA

Boiling Point: 100°C	Evaporation Rate (Butyl Acetate = 1): N/D
Ph: 9-10	Melting Point: N/A
Solubility in Water: Complete	Vapor Density (Air = 1): N/A
Appearance/Odor: Clear blue/purple liquid, slight alcohol odor.	Specific Gravity (H2O = 1): .91

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: None	Flammability Limits: None
Extinguishing Media: Water, Chemical Foam, Dry Chemical	Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None	

SECTION V – REACTIVITY DATA

Stability: Material stable.	Hazardous Polymerization: Will not occur.
Incompatibility: N/A	Hazardous Decomposition Products: None known.

SECTION VI – STORAGE AND HANDLING

Precautions to be Taken in Handling/Storage: No special precautions necessary.

SECTION VII – HEALTH AND FIRST AID

Eyes: May cause eye irritation. Flush with water for 15 minutes. See physician if irritation persists.
Skin: If irritation develops, flush with water for 15 minutes. See physician if irritation persists.
Ingestion: Dilute by drinking milk or water. May be neutralized by taking two tablespoons of vinegar diluted with water.
Inhalation: If bothersome, remove to fresh air.

SECTION VIII – SPECIAL PROTECTION DATA

Protective Gloves: Recommended	Ventilation: Local exhaust.
Eye Protection: Recommended	Other Protective Clothing/Equipment: None
Respiratory Protection: N/A	

SECTION IX – SPILL OR LEAK PROTECTION

Steps to be Taken in Case of Spill or Leak: Flush away with water or soak up with sand, rags or sweeping compound and shovel into waste container.
Waste Disposal Method: Dispose of waste in accordance with Federal, State and Local requirements.

N/A = NON APPLICABLE N/E = NOT ESTABLISHED N/D = NOT DETERMINED N/L = NOT LISTED

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Earth Laboratories, Inc.

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: Peroxy Green/ Peroxy HDOX
Product Number: 1750
Revision Date: 2/11/2015
Recommended Use: Hard Surface Cleaner

Company Information

Earth Laboratories, Inc.
1101 E. Diamond Ave.
Evansville, IN 47711
Emergency Phone Number: (866) 203.0535

SECTION 2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATIONS	Serious eye irritation: Category 2A
Hazard Statements	H319: Causes serious but reversible eye irritation.
Precautionary Statements	Prevention: P280: Wear protective gloves, protective clothing, eye protection, face protection. Response: P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

PICTOGRAM



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name(s)	% Weight	CAS Registry No.
Hydrogen Peroxide	5-8% Trade Secret	7722-84-1

SIGNAL WORD: WARNING

SECTION 4: FIRST AID MEASURES

Inhalation:	Remove victim to fresh air & keep at rest in a position comfortable for breathing. Get medical advice/ attention if you feel unwell.
Skin:	Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/ attention.
Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: Get medical advice / attention.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Get immediate medical advice / attention.

SECTION 5: FIRE- FIGHTING MEASURES

Suitable extinguishing media:	Material will not burn. Non-combustible. Use a firefighting agent suitable for surrounding fire.
Special hazards arising from the substance or mixture:	None inherent in this product.
Thermal decomposition generates:	Corrosive vapors
Special protective actions for fire-fighters:	No unusual fire or explosion hazards are anticipated.



SECTION 6: ACCIDENTAL RELEASE MEASURES

For emergency responders:	Equip cleanup crew with proper protection. Ventilate area.
For non-emergency personnel:	Evacuate unnecessary personnel.
Environmental precautions:	Dispose of in compliance with all Federal, State, and Local laws and regulations.
Clean up methods:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Dispose of in compliance with all Federal, State, and Local laws and regulations.

SECTION 7: HANDLING AND STORAGE

Precautions; Handling & Storing:	Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional & industrial use only. Do not mix with other chemicals.
Conditions for safe storage including any incompatibilities:	Store away from oxidizing agents. For optimum use, keep out of extreme heat.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection:	No special requirements if good general ventilation is provided.	
Ventilation:	Provide adequate ventilation.	
Protective Gloves (Specify Type):	Waterproof gloves recommended.	
Eye Protection (Specify Type):	Safety glasses or goggles are recommended.	
Others:	When using do not eat, drink, or smoke.	

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Boiling Point:	212 F	Vapor Pressure:	Unknown
Vapor Density (AIR = 1):	>1	Solubility in Water:	Complete
Evaporation Rate (but. ace.=1):	Unknown	pH value at:	2.6-2.8
Physical State:	Liquid	Appearance and odor:	Clear with clean odor

SECTION 10: STABILITY & REACTIVITY

Stability:	Stable	Incompatible Materials:	Strong acids/bases
Hazardous Decomposition Products:	Oxygen, CO, CO ₂ , Corrosive vapors	Conditions to avoid:	Direct sunlight, Extremely high temperatures

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity:	None known
Irritation:	Causes severe, but reversible eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	Not been fully tested. The calculated risk has been done under the requirements of the EU regulations.
Persistence - degradability	Biodegradable

SECTION 13: DISPOSAL CONSIDERATIONS

Steps to be taken in case Material is Released or Spilled:	Dispose of in compliance with all Federal, State, and Local laws and regulations.
Waste Disposal Method:	Dispose of in compliance with all Federal, State, and Local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

Land, Sea, and Air:	Not regulated.
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SECTION 15: REGULATORY INFORMATION

SARA - Section 313 / SARA - Section 355	None of the ingredients are listed. / None of the ingredients are listed.
TSCA	All ingredients are listed.
Proposition 65 (California)	None of the ingredients are listed.
Carcinogenic categories (EPA)	None of the ingredients are listed.

SECTION 16: OTHER INFORMATION

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

Name: Anthony D. Richardt	Title: Project Manager	v.04302015
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SURFACE SCIENCE LABORATORIES, INC.

Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name: PRODUCT X, COF-1
Product Number:
Revision Date: 11/01/2016
Recommended Use: Floor Restorer / Cleaner / Maintainer

Company Information
Surface Science Laboratories, Inc.
1101 E. Diamond Ave.
Evansville, IN 47711
Emergency Phone Number: (800) 201.2275

SECTION II: HAZARDS IDENTIFICATION (HEALTH)

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Skin, Eyes
Effects of Overexposure Conditions to Avoid:	Harmful if swallowed. Mild eye & skin irritant		
GHS CLASSIFICATIONS	Mild eye & skin irritant.		



SECTION III: MIXTURE

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	% W	CAS Registry No.	Table Z 1 - A			Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
TRADE SECRET			n/a	n/a	n/a	No

SECTION IV: FIRST AID MEASURES

Eyes:	Flush with water for 15 minutes. Remove contact lenses. Seek medical attention if irritation continues.
Skin:	Remove contaminated clothing. Wash with water. Seek medical attention if irritation develops.
Ingestion:	Do not induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person. Seek medical attention if needed.
Inhalation:	Remove victim to fresh air. Consult a physician if necessary.

SECTION V: FIRE & EXPLOSIVE HAZARD DATA

Flash Point:	Not applicable	Method Used:	Not applicable
Flammable limits:	Not applicable	Flame Limit:	Not applicable
Extinguishing Media:	CO2, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.		
Special Protective Equipment for Firefighters:	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.		
Unusual Fire & Explosive Hazards:	May emit hazardous fumes under fire conditions.		

SECTION VI: ACCIDENTAL RELEASE MEASURES

Advice on safe handling and storage:	Avoid contact with the skin and eyes. Wear personal protective equipment as required. Do not allow uncontrolled discharge of product into the environment. Stop the leak. Turn leaking containers leak side up to prevent the escape of liquid. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Do not flush into surface water or sanitary sewer system.
Spillage:	SPILLAGE: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations. Sweep up or vacuum up spillage and collect in suitable container for disposal. Never return spills in original containers for reuse. Use water rinse for affected area. Dispose of in accordance with local regulations.

SECTION VII: HANDLING AND STORAGE

Precautions, Handling & Storing:	Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully after handling and before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
---	---

SECTION VIII: EXPOSURE CONTROLS

Respiratory Protection:	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. No personal respiratory protective equipment normally required.
Ventilation:	Ensure adequate ventilation.
Protective Gloves (Specify Type):	Where there is risk of contact with hands, use appropriate gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.
Eye Protection (Specify Type):	Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of safety glasses with side-shields.
Other Protective Equipment:	Protective suit, impervious clothing, and footwear protecting against chemicals.

SECTION IX: PHYSICAL & CHEMICAL PROPERTIES

Boiling Point:	>200° F	pH	11.0 (Use Solution, neutral)
Vapor Density (AIR = 1):	Not available	Solubility in Water:	Miscible
Evaporation Rate (but.acc.=1):	< Water	Specific Gravity:	1.02
Physical State:	Liquid	Flash Point	Not applicable.
Appearance & Odor:	Translucent & Pleasant		

SECTION X: STABILITY & REACTIVITY

Stability:	Stable under normal conditions	Incompatible Materials:	Oxidizers
Hazardous Decomposition Products:	May emit hazardous fumes under fire conditions.	Hazardous Polymerization	Will not occur

SECTION XI: TOXICOLOGICAL INFORMATION

Acute Toxicity:	None, not a sensitizer
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SECTION XII: ECOLOGICAL INFORMATION

Threshold Limit Value:	Not reported
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SECTION XIII: DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Dispose of in compliance with all Federal, State, and Local laws and regulations.
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SECTION XIII: Transport Information

ADR/RID class:	Not Regulated.
Danger Code	Not Regulated.
UN NUMBER	Not Regulated.
UN NUMBER	Not Regulated.
DESCRIPTION OF GOODS	Chemical Compound

SECTION XV: Regulatory Information

NOTIFICATION STATUS	United States TSCA Inventory: y (positive listing) on TSCA Inventory
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SARA 311/312 Hazards

Fire Hazard	No.
Reactivity Hazard	No.
Sudden Release of Pressure Hazard	No.
Acute Health Hazard	No.
Chronic Health Hazard	No.

SARA 313 This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

SARA 302 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SECTION XVI: OTHER INFORMATION

NFPA CLASSIFICATION Health: 1
Flammability: 0
Reactivity: 0

HMIS CLASSIFICATION Health: 1
Flammability: 0
Reactivity: 0

Prepared by

Name: Anthony D. Richardt

Title: Project Manager

Effective Date: 11012016

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Earth Laboratories, Inc.

Material Safety Data Sheet

Emergency Phone Number: (866) 203.0535

SECTION I: PRODUCT INFORMATION

Company Information

Product Division: Janitorial
 Product Name or Number (as it appears on label):
Formula ML14B
 Product Number: 1150

Earth Laboratories, Inc
1101 E. Diamond Ave.
Evansville, IN 47711

Shipping Description: Cleaning compounds, liquid, n.o.s.	
NFPA Ratings	
Health:	2
Fire:	0
Reactivity:	0
HMIS Ratings	
Health:	2
Reactivity:	0
Flammability:	0
Protective Equip:	See section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	% W	CAS Registry No.	Table Z 1 - A			Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Urea Hydrochloride	<33%	506-89-8	n/a	Not Established	Not Established	No

SECTION III: PHYSICAL DATA

Boiling Point:	212°F	Vapor Pressure:	Unknown
Vapor Density (AIR = 1):	>1	Solubility in Water:	Complete
Evaporation Rate (but.ac.=1):	<1	Percent Solid by Weight:	Unknown
Physical State:	Liquid	pH Level	<1
Appearance & Odor:	Clear to Light yellow	Specific Gravity	1.205 +/- 0.005

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point:	>212°F	Method Used:	ASTM-D56
Flammable Limits:	Not Established	Flame Extension:	Not Applicable
Extinguishing Media:	CO2, Dry Chemical, Water – Media determined by surrounding conditions.		
Special Fire Fighting Procedures:	Wear NIOSH approved, self-contained breathing apparatus and protective clothing.		
Unusual Fire & Explosive Hazards:	Releases hydrogen gas when burned.		

SECTION V: HEALTH HAZARD DATA

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Skin, Eyes, Inhalation, and Oral
Effects of Overexposure – Conditions to Avoid	<p>Causes eye irritation: Symptoms may include pain, redness, swelling and possible tissue damage.</p> <p>Causes skin irritation: Symptoms may include pain, redness, and swelling.</p> <p>May be harmful if swallowed: Symptoms may include nausea, vomiting, pain and diarrhea.</p> <p>Breathing product may cause respiratory irritation: Symptoms may include coughing</p>		

	and difficulty breathing. Do not get in eyes, on skin, or on clothing. Avoid breathing product mist. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling.
--	---

Emergency & First Aid Procedures:

Eyes:	Flush with water for 15 minutes. Remove contact lenses. Seek medical attention if irritation continues.
Skin:	Remove contaminated clothing. Rinse skin for 15 minutes. Seek medical attention if irritation continues.
Ingestion:	Do not induce vomiting. Drink two glasses of water to dilute product. Do not give anything by mouth to an unconscious person. Seek medical attention if needed.
Inhalation:	Move to fresh air. Seek medical attention if irritation continues.

▼ SECTION VI: REACTIVITY DATA

Hazardous Decomposition Products:	Carbon, nitrogen and sulfur oxides. Hydrogen gas may be released upon contact with certain metals.	Incompatible Materials:	Metal powders, bases, strong oxidizing agents, or strong reducing agents
Stability:	Stable	Hazardous Polymerization	Will not Occur.

▼ SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be taken in case Material is Released or Spilled:	Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (if permitted by local sewer regulations). Mop, vacuum, or otherwise absorb and hold larger spills for disposal.
Waste Disposal Method:	Dispose of in compliance with all Federal, State, and Local laws and regulations.

▼ SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Use NIOSH approved respirator when likelihood of inhalation of product mist.
Protective Gloves (Specify Type):	Waterproof gloves recommended
Eye Protection (Specify Type):	Safety glasses or goggles are recommended
Other Protective Equipment:	As needed, reference 29CFR1910.132-138.

▼ SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing:	Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. For optimum use, keep out of extreme heat.
Other Precautions:	Do not mix with any other chemicals.

PRODUCT/TECHNICAL INFORMATION 866-203-0535

Name: Tony Richardt

Title: Project Manager

Effective Date: 1/1/07

*This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.



SAFETY DATA SHEET

Harvard Chemical Research, Inc.

Issue Date 16-Jul-2014

Revision Date 16-Jul-2014

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name MET MOP

Other means of identification

Product Code 2429

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Daily Cleaner for High Gloss Floors

Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address

Harvard Chemical Research, Inc., 3595 Zip Industrial Blvd., Atlanta, GA 30354

Emergency telephone number

Company Phone Number 404-761-0657

24 Hour Emergency Phone Number 800-424-9300

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Label elements

Emergency Overview

Appearance Clear yellow liquid

Physical state Liquid

Odor Lemon

Hazards not otherwise classified (HNOC)

Other Information

Unknown Acute Toxicity % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Rinse with clear water.
Inhalation	Remove to fresh air. If breathing does not return to normal, seek medical attention.
Ingestion	Immediately drink large quantities of water. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO₂). Dry chemical. Alcohol Foam.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation, especially in confined areas.
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Environmental precautions

Environmental precautions	See Section 12 for additional ecological information.
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Dispose in accordance with federal and state regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container closed when not in use. Keep out of reach of children. Follow label instructions. Do not freeze.

Incompatible materials Strong acids. OXIDIZERS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear Neoprene or protective rubber gloves.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	liquid	Odor	Lemon
Appearance	Clear yellow liquid	Odor threshold	No information available
Color	Yellow		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	7		
Melting point/freezing point	No information available		
Boiling point / boiling range	100 >212°F		
Flash point	No information available		
Evaporation rate	<1		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	>1		
Specific Gravity	1		
Water solubility	completely soluble		
Solubility in other solvents	No information available		
Partition coefficient	No information available		

Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	8.35
Bulk density	No information available

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization	Hazardous polymerization does not occur.
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Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Strong acids. OXIDIZERS.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂). heat.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information	No data available
Inhalation	Irritation and difficulty in breathing.
Eye contact	Severely irritating to eyes.
Skin Contact	No data available.
Ingestion	Gastric pain and vomiting.

Information on toxicological effects

Symptoms	No information available.
-----------------	---------------------------

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
----------------------	---------------------------

Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	% of the mixture consists of ingredient(s) of unknown toxicity
------------------------	--

12. ECOLOGICAL INFORMATION**Ecotoxicity**

6.54% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
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15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies

KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection X

Prepared By	Moira Blackflower
Issue Date	16-Jul-2014
Revision Date	16-Jul-2014
Revision Note	
No information available	

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



SDS

Safety Data Sheet

Simoniz Citrus Clean S3376012

SDS Number: 4280-AP4280

Revision Date: 3/27/2015

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1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Simoniz, USA
201 Boston Turnpike
Bolton, CT 06043
Tel: 800-227-5536

Emergency Phone: CHEM-TEL: (800) 255-3924

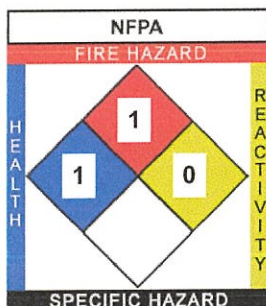
Product Name: Simoniz Citrus Clean S3376012
Revision Date: 3/27/2015
Version: 1
SDS Number: 4280-AP4280
Common Name: Aerosol Cleaner/Degreaser
Product Use: Cleaner/Degreaser

2

HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin;
Target Organs: Skin, lungs, liver, kidneys
Inhalation: Can cause irritation and inflammation of the respiratory tract.
Skin Contact: May cause irritation
Eye Contact: May cause irritation.
Ingestion: May cause gastrointestinal irritation if large amounts are ingested.

NFPA: Health = 1, Fire = 1, Reactivity = 0
HMIS III: H1/F1/PH0



HMIS III		
HEALTH	<input type="checkbox"/>	1
FLAMMABILITY		1
PHYSICAL HAZARDS		0
PERSONAL PROTECTION		



SDS

Safety Data Sheet

Simoniz Citrus Clean S3376012

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GHS Signal Word:
WARNING

GHS Hazard Pictograms:



GHS Classifications:

Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 2
Health, Respiratory or skin sensitization, 1 Skin
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Specific target organ toxicity - Single exposure, 3
Environmental, Hazards to the aquatic environment - Chronic, 4
Physical, Flammable Aerosols, 3

GHS Phrases:

H303 - May be harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H335 - May cause respiratory irritation
H413 - May cause long lasting harmful effects to aquatic life
H229 - Pressurized container: may burst if heated

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 - IF ON SKIN: Wash with soap and water.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337 - If eye irritation persists: _
P337+313 - Get medical advice/attention.
P338 - Remove contact lenses if present and easy to do. Continue rinsing.
P363 - Wash contaminated clothing before reuse.
P374 - Fight fire with normal precautions from a reasonable distance.

CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin and respiratory conditions.

LISTED CARCINOGENS: OSHA - Not listed IARC - Not listed NTP - Not listed



SDS

Safety Data Sheet

Simoniz Citrus Clean S3376012

SDS Number: 4280-AP4280

Revision Date: 3/27/2015

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3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
111-90-0	1.0-10%	Diethylene glycol ethyl ether
68603-42-9	1.0-10%	Amides, coco, N,N-bis(hydroxyethyl)
94266-47-4	1.0-10%	Orange Terpenes
141-43-5	0.5-5%	Ethanolamine
64-17-5	0.5-5%	Ethanol
68584-22-5	0.5-5%	Benzenesulfonic acid, C10-16-alkyl derivs.
9016-45-9	0.5-5%	Nonylphenol Polyethoxylate
68476-85-7	1.0-10%	Petroleum gases, liquefied

4

FIRST AID MEASURES

Inhalation:	Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.
Skin Contact:	Wash with soap and water. If skin irritation persists, call a physician immediately. Remove contaminated clothing and wash before reuse.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion:	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

5

FIRE FIGHTING MEASURES

Flammability:	Non-flammable
Flash Point:	> 200F
Flash Point Method:	TCC
Burning Rate:	Not available.
Autoignition Temp:	Not available.
LEL:	Not available.
UEL:	Not available.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).



SDS

Safety Data Sheet

Simoniz Citrus Clean S3376012

SDS Number: 4280-AP4280

Revision Date: 3/27/2015

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6

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

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HANDLING AND STORAGE

Handling Precautions:

EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

Storage Requirements:

Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container.
Store in accordance with NFPA30B for LEVEL 1 AEROSOLS

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Use ventilation adequate to keep exposures below recommended exposure limits.

Personal Protective Equip:

Eyes Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

EXPOSURE LIMITS

Ingredients	OSHA-PEL	ACGIH-TLV	OTHER
Diethylene Glycol Ethyl Ether	Not Established	Not Established	25ppm(140mg/m3) WEEL-TWA
Amides, Coco	Not Established	1mg/m3 TWA	3ppm(15mg/m3) NIOSH (REL)
Orange Terpenes	Not Established	Not Established	30ppm AIHA STD (TWA-8h)
Ethanolamine	3ppm (6mg/m3)	3ppm (6ppm STEL)	
Ethanol	1000 ppm	1000 ppm	
Benzenesulfonic Acid	Not Established	Not Established	
Nonylphenol Polyethoxylate	Not Established	Not Established	
Liquified Petroleum Gas	1000 ppm(1800mg/m3)	Not Established	



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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	off-white opaque liquid	Odor:	citrus
Physical State:	Mixture packaged in pressurized aerosol sp	Solubility:	Soluble in water
Spec Grav./Density:	0.985-0.995 g/ml	Percent Volatile:	< 95%
Viscosity:	< 10 cSt	Freezing/Melting Pt.:	Not established
Boiling Point:	> 200F	Flash Point:	> 200F
Flammability:	Non-flammable	Octanol:	Not established
Partition Coefficient:	Not established	VOC:	8.0%
Vapor Pressure:	Not established	Auto-Ignition Temp:	Not established
pH:	10.5 - 11.5	UFL/LFL:	Not established
Evap. Rate:	< 1.00 (BuAc=1)		

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STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	heat, sparks, open flames and temperatures above 120°F
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Decomposition:	CO, CO ₂ , and hydrocarbons.
Hazardous Polymerization:	Will not occur.

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TOXICOLOGICAL INFORMATION

Not established

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ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

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DISPOSAL CONSIDERATIONS

Do not allow into drains or water sources. Waste and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, weather special waste regulations apply.



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TRANSPORT INFORMATION

DOT Class: Non-Flammable Gas (2.2) #2.2

UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, Packing Group II

DOT

UN Number	UN1950
UN proper shipping name	Aerosols, non-flammable
Transport Hazard Class(es)	
Class	2.2
Subsidiary risk	---
Label(s)	2.2
Packing group	Not applicable

IATA

UN Number	UN1950
UN proper shipping name	Aerosols, non-flammable
Transport Hazard Class(es)	
Class	2.2
Subsidiary risk	---
Label(s)	2.2
Packing group	Not applicable
Environmental hazards	No
Other information	
Passenger and cargo aircraft	Allowed
Cargo aircraft only	Allowed

IMDG

UN Number	UN1950
UN proper shipping name	Aerosols, non-flammable
Transport Hazard Class(es)	
Class	2.2
Subsidiary risk	---
Label(s)	2.2
Packing group	Not applicable
Environmental hazards	No



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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

- *Diethylene glycol ethyl ether (111900 n/a%) HAP, TSCA, TXAIR
- *Amides, coco, N,N-bis(hydroxyethyl) (68603429 n/a%) TSCA
- *Ethanolamine (141435 n/a%) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR
- *Ethanol (64175 n/a%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Benzenesulfonic acid, C10-16-alkyl derivs. (68584225 n/a%) TSCA
- *Nonylphenol Polyethoxylate- (9016459 n/a%) TSCA
- *Petroleum gases, liquefied (68476857 n/a%) MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

HAP = Hazardous Air Pollutants
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances

Proposition 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.



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OTHER INFORMATION

The information provided herein was believed to be accurate at the time of preparation and prepared from a compilation of sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use.

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