

Safety Data Sheet DURA-GUARD, MM

Supersedes Date Not applicable

Issuing Date 02/02/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DURA-GUARD, MM
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5619
Chemical nature Petroleum distillates Amines Mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Orange

Physical state liquid

Odor Ammonia

GHS

Classification

Physical Hazards

Flammable Aerosols
Gases under pressure

Category 1
Liquefied gas

Health Hazard

Reproductive Toxicity

Category 1B

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H222 - Extremely flammable aerosol
H360 - May damage fertility or the unborn child
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P280 - Wear protective gloves, protective clothing and eye protection.
P270 - Do not eat, drink or smoke when using this product.
P308 + P313 - IF exposed or concerned, get medical attention
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P403 + P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Petroleum gases, liquified, sweetened	68476-86-8	5-10
Propylene glycol monomethyl ether	107-98-2	1-5
Isopropyl alcohol	67-63-0	1-5

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

4. FIRST AID MEASURES

General advice

Do not breathe vapors, mist or gas. Do not get in eyes, on skin or on clothing.

Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
Skin Contact	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	Not applicable	Method	Seta closed cup	Lower:	1.6
Flammability Limits in Air %: Mixture.		Upper:	13.8		
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.				
Specific hazards arising from the chemical	Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.				
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.				
Aerosol Level (NFPA 30B) -	1				
NFPA	Health 1	Flammability 4	Instability 0		
HMIS	Health 1	Flammability 4	Instability 0		

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	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 (see section 13).
Methods for Cleaning Up	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Keep away from open flames, hot surfaces and sources of ignition. Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing.			
Storage	Keep away from heat and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Propylene glycol monomethyl ether	TWA: 50 ppm STEL: 100 ppm	No data available	STEL 150 ppm STEL 540 mg/m ³ TWA: 100 ppm TWA: 360 mg/m ³
Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m ³	2000 ppm STEL 500 ppm STEL 1225 mg/m ³ TWA: 400 ppm TWA: 980 mg/m ³

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles.
Skin Protection	Wear suitable protective clothing, Impervious gloves.
Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the

workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid	Viscosity	Non viscous - Semi-viscous
Color	Orange	Odor	Ammonia
Odor Threshold	Not applicable	Appearance	Transparent - Cloudy
pH	10.8	Specific Gravity	1.0
Evaporation Rate	< 1 (Butyl acetate=1)	Percent Volatile (Volume)	80
VOC Content (%)	14.7	VOC Content (g/L)	6802
Vapor Pressure	17.5 mmHg @ 25 °C	Vapor Density	< 1 (Air = 1.0)
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	> 100 °F / 38 °C	Flammability (solid, gas)	No data available
Flash Point	Not applicable	Method	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Mixture	Upper: 13.8 Lower: 1.6	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Products	Strong oxidizing agents, Strong acids, Alkalis.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	2,571.00
Dermal LD50	2,026.00
Inhalation LC50	
Gas	5,433.00
Mist	No information available
Vapor	726.00

Principle Route of Exposure Skin contact, Eye contact, Inhalation.

Primary Routes of Entry Skin contact, Eye contact, Inhalation.

Acute Effects:

Eyes	Mild eye irritation.
Skin	May cause slight irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity

None known.

Target Organ Effects

Respiratory system, Central nervous system, Eyes, Skin.

Aggravated Medical Conditions

None known.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Propylene glycol monomethyl ether 107-98-2	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 6 mg/L (Rat) 4 h	no data available	no data available
Isopropyl alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Propylene glycol monomethyl ether 107-98-2	no data available	no data available	X	no data available	Skin Central nervous system Eyes Respiratory system
Isopropyl alcohol 67-63-0	no data available	no data available	no data available	no data available	Skin Eyes Respiratory system

Carcinogenicity

There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.
 Mobility This product is mobile in soil

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum gases, liquified, sweetened	No information available.	No information available.	No information available	No information available.	2.8
Propylene glycol monomethyl ether	No information available.	LC50 = 20.8 g/L Pimephales promelas 96 h	No information available	23300: 48 h Daphnia magna mg/L EC50	-0.437
Isopropyl alcohol	EC50 > 1000 mg/L Desmodesmus subspicatus 96 h EC50 > 1000 mg/L Desmodesmus subspicatus 72 h	LC50 = 9640 mg/L Pimephales promelas 96 h LC50 = 11130 mg/L Pimephales promelas 96 h LC50 > 1400000 µg/L Lepomis macrochirus 96 h	EC50 = 35390 mg/L 5 min	13299: 48 h Daphnia magna mg/L EC50	0.05

Persistence and Degradability No information available.
 Bioaccumulation No information available.
 Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
 Container Disposal Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT
 Proper Shipping Name Consumer commodity
 Hazard Class ORM-D
 Description Consumer commodity, ORM-D

TDG
 Proper shipping name Aerosols
 Hazard Class 2.1
 UN-No UN1950
 Description UN1950,AEROSOLS,2.1, LTD QTY

ICAO
 UN-No UN1950
 Proper Shipping Name Aerosols, flammable
 Hazard Class 2.1
 Shipping Description UN1950, Aerosols, flammable,2.1, LTD QTY

IATA
 UN-No UN1950
 Proper Shipping Name Aerosols, flammable
 Hazard Class 2.1
 ERG-Code 10L
 Shipping Description UN1950, Aerosols, flammable, 2.1, LTD QTY

IMDG/IMO
 Proper Shipping Name Aerosols
 Hazard Class 2.1
 UN-No UN1950
 EmS No. F-D, S-U
 Description UN1950, Aerosols,2.1, LTD QTY

15. REGULATORY INFORMATION

Inventories
 TSCA Complies
 DSL Complies
 U.S. 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 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	Yes	Yes	No

CERCLA

16. OTHER INFORMATION

Prepared By Samantha Purvis
Supersedes Date Not applicable
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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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