



ROAD AWAY

All Vehicle Wash Concentrate

DESCRIPTION

A professional transportation cleaner for all types of vehicles and trucks which is effective in all types of washing systems. This product is super concentrated with a controlled foam detergent system, water softeners and penetrants to break up and remove soils and oily road films.

PRODUCT FEATURES / BENEFITS

- Professional formula / Product gives the maximum performance
- Powerful yet efficient / Allows for super strength cleaning and labor savings with safer all purpose application
- Corrosion inhibited / Protects all types of metallic surfaces during cleaning
- Will not harm paint / Product provides safe multiple function cleaning
- Multi-functional / Can be used thru a pressure washer, drive thru wash or brush operation.

DIRECTIONS FOR USE

Professional quality transportation cleaner for all types of vehicles, cars, trucks, buses, trains, mobile homes, boats, aircraft and all other surfaces that can be cleaned with water. Without hard scrubbing it chemically removes even the toughest road and street grime safely. Will not harm paints, glass, rubber, plastics, aluminum, brass, steel, chrome or other surfaces that can be cleaned with water.

Completely effective in hard or soft, hot or cold water. Can be applied by low or high pressure spray, steam cleaner, automatic car wash, manually or other available methods. Dilute with water for use.

Light Soiling Use 1-2 oz/gal
Average Soiling Use 2-4 oz/gal
Heavy Duty Cleaning Use 6-8 oz/gal

More or less cleaner can be used as required by the soiling conditions. After cleaning, rinse away the loosened soils to leave the vehicle surface beautifully clean and bright.

SPECIFICATIONS

Type Super concentrate
Color Light Amber
Odor Citrus
Foam Controlled
pH (Concentrate) 12.3 ± 0.3
pH (1:32) 11.2 ± 0.3
Viscosity (cps) 80
Solubility in Water 100%

Upper Cloud $> 140^{\circ}\text{F}$
Lower Cloud $< 32^{\circ}\text{F}$
Biodegradable Yes
Specific Gravity (g/cc) 1.06 ± 0.01
Density (lbs/gal) 8.8 ± 0.1
Flash Point None
Cleaning Outstanding
Rinsability Superior, film free
Shelf Life 1 year minimum in original unopened container

SAFETY INFORMATION

DANGER: CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE. KEEP OUT OF REACH OF CHILDREN.

Prevention: Do not breathe mist or vapor. Wear protective gloves. Wear eye/face protection.

Response: If on skin: Wash with plenty of water. 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/doctor. If skin irritation occurs: Get medical advice/attention. If swallowed: Rinse mouth. Do NOT induce vomiting. If inhaled: Remove person to fresh air and



keep comfortable for breathing. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

For Commercial and Industrial Use Only



AUTOMOTIVE



World Class Cleaning Solutions®

401 N. 10th Street • Philadelphia, PA 19123
1-800-NAT-CHEM • 215-922-1200 • FAX: 215-922-5517
www.nclonline.com • e-mail: info@nclonline.com



TDS-1220-0515


SAFETY DATA SHEET

Section 1 - Identification

Product Identifier	ROAD AWAY All Vehicle Wash Concentrate
Other means of identification	1220
Recommended use	Vehicle detergent.
Recommended restrictions	For commercial and industrial use only.
Manufacturer / Importer / Supplier / Distributor Information	
Company Name	National Chemical Laboratories of PA, Inc.
Address	401 N. 10th Street - Philadelphia, PA 19123
Telephone	1 (215) 922-1200
Supplier Email	info@nclonline.com
Contact	CHEM-TEL
Emergency Phone	1 (800) 255-3924

Section 2 - Hazard(s) Identification

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

	Classification	Category
Physical Hazards	Not Classified	
Health Hazards	Serious eye damage/eye irritation	1
	Skin corrosion/irritation	2
OSHA defined hazards	Not Classified.	
Label Elements		
Hazard Symbol		
Signal Word	Danger	
Hazard Statement	Causes skin irritation. Causes serious eye damage.	
Precautionary statement		
Prevention	Do not breathe mist or vapor. Wear protective gloves. Wear eye/face protection.	
Response	If on skin: Wash with plenty of water. 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/doctor. If skin irritation occurs: Get medical advice/attention. If swallowed: Rinse mouth. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.	
Storage	Store locked up.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	None known.	

Section 3 - Composition/Information on ingredients

Mixture			
Hazardous Components	Ingredient Name	CAS #	%
	Benzenesulfonic acid, dodecyl-, potassium salt	27177-77-1	5 - 10
	2-(2-Butoxyethoxy) Ethanol	112-34-5	1 - 5
	4-Nonylphenol, branched, ethoxylated	127087-87-0	1 - 5
	Sodium Silicate	1344-09-8	1 - 5

Section 4 - First-aid Measures

Inhalation	Move to fresh air. Get medical attention if irritation persists.
Skin contact	Remove contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing 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. Call a physician or poison control center immediately.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

SAFETY DATA SHEET

Most Important symptoms /effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General Information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment /instructions	move containers from fire area if you can do it without risk.
General fire hazards	No unusual fire or explosion hazards noted.
Specific Methods	Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	This product is miscible in water. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling	Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure controllpersonal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Component	Type	Value	
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Section 9 - Physical and chemical properties

Appearance	Clear.
Physical state	Liquid.

SAFETY DATA SHEET

Form	Liquid.
Color	Light amber.
Odor	Citrus.
Odor threshold	Not available.
pH	12.3
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C)
Flash point	None to boiling.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Similar to water.
Vapor density	Similar to water.
Relative density	1.06 ± 0.01
Relative density temperature	75 °F (23.89 °C)
Solubilities	Completely soluble.
Partition Coefficient n-octanol/water	Not available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	80 cSt
Viscosity Temperature	75 °F (23.89 °C)

Section 10 - Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials	Acids. Oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

Information on toxicological effects.

Acute toxicity Not expected to be acutely toxic.

Components	Level	Type	Code	Species	Results
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)	Acute	Dermal	LD50	Rabbit	2764 mg/kg, (N
Sodium Silicate (CAS 1344-09-8)	Acute	Dermal	LD50	Rabbit	>4640 mg/kg
	Acute	Oral	LD50	Rat	1.1 g/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/ eye irritation Causes serious eye damage.

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

SAFETY DATA SHEET

Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

Section 12 - Ecological Information

Ecotoxicity	Harmful to aquatic life with long lasting effects.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Not known.
Partition coefficient n-octanol / water log (Kow)	
Components	Results
4-Nonylphenol, branched, ethoxylated (CAS 127087-87-0)	2.1 - 3.4 (Calculated)
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)	0.56
Mobility in soil	No data available.
Mobility in general	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 - Disposal considerations

Disposal instructions	Dispose in accordance with applicable federal, state, and local regulations.
Local disposal regulations	Dispose of in accordance with local regulations.
Hazardous waste code	Waste codes should be assigned by the user based on the application for which the product was used.
Waste from residues / unused products	Dispose in accordance with all applicable regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code	This substance/mixture is not intended to be transported in bulk.

Section 15 - Regulatory Information

US federal regulations		This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.	
TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)		Not regulated.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		Not listed.	
CERCLA Hazardous Substance List (40 CFR 302.4)			
Components		Result	
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)		LISTED	
Superfund Amendments and Reauthorization Act of 1986 (SARA)			
Hazard Categories	Immediate Hazard	Yes	
	Delayed Hazard	No	
	Fire Hazard	No	
	Pressure Hazard	No	
	Reactivity Hazard	No	
SARA 302 Extremely hazardous substance		Not listed.	
SARA 311/312 Hazardous chemical		No	
SARA 313 (TRI reporting)			
Chemical name		CAS #	% by wt.
2-(2-Butoxyethoxy) Ethanol		112-34-5	1 - 5
Other federal regulations			
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List			
Components			
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)			
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)		Not regulated.	
Safe Drinking Water Act (SDWA)		Not regulated.	
Food and Drug Administration (FDA)		Not regulated.	
US state regulations			
US.Massachusetts RTK - Substance List		Components	
		2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)	

SAFETY DATA SHEET

US.New Jersey Worker and Community Right-to-Know Act	Components 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)
US.Pennsylvania RTK - Hazardous Substances	Components 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)
US.Rhode Island RTK	Components 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)
US - California Proposition 65	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	No
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

Issue date	3/26/2015
Version #	01
Disclaimer	The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.

Directions:

Dilute ROAD AWAY™ with hot or cold, hard or soft water at the following ratios:

Light Soil: Dilute 1-2 oz. of ROAD AWAY per gallon of water.

Average Soil: Dilute 2-4 oz. of ROAD AWAY per gallon of water.

Heavy Soil: Dilute 6-8 oz. of ROAD AWAY per gallon of water.

Apply by low or high pressure spray, steam cleaner, automatic car wash, or any other convenient method. Adjust concentrations to accomodate local conditions. After cleaning, rinse thoroughly and allow to dry.

Instrucciones para Uso:

Diluir ROAD AWAY™ con agua caliente o fría, dura o blanda en las siguientes proporciones:

Suelo ligero: Diluir 1-2 onza. del CAMINO LEJOS por el galón de agua.

Suelo medio: Diluir 2-4 onza. del CAMINO LEJOS por el galón de agua.

Suelo pesado: Diluir 6-8 onza. del CAMINO LEJOS por el galón de agua.

Aplicarte por el aerosol bajo o de alta presión, el limpiador del vapor, la colada automática del coche, o cualquier otro método conveniente. Ajustar las concentraciones para acomodar condiciones locales. Después la limpieza, aclara a fondo y permite para secarse.



World Class Cleaning Solutions®



Automotive Care

Road Away™

All Vehicle Wash Concentrate

Without hard scrubbing, it safely removes
even the toughest road and street grime!

DANGER: CAUSES SKIN IRRITATION. / PELIGRO: PRODUCE IRRITACIÓN DE LA PIEL.

See side panel for additional precautionary statements. / Ver panel lateral para las medidas preventivas adicionales.

NET CONTENTS: 1 GALLON / 3.79 LITERS

National Chemical Laboratories, Inc.

Philadelphia, PA 19123 USA • (800) 628-2436

www.nclonline.com

Product No.: 1220



**DANGER: CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE DAMAGE. KEEP
OUT OF THE REACH OF CHILDREN.**

Precautionary statement

Prevention: Do not breathe mist or vapor. Wear protective gloves. Wear eye/face protection.

Response: If on skin: Wash with plenty of water. 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/doctor. If skin irritation occurs: Get medical advice/attention. If swallowed: Rinse mouth. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

Additional safety measures:

Read the entire label and SDS before using this product, and for additional first aid measures. SDS for this product is available on the web at www.nclonline.com

CONTAINS: Benzenesulfonic acid, dodecyl-, potassium salt CAS # 27177-77-1, 2-(2-Butoxyethoxy) Ethanol CAS # 112-34-5, 4-Nonylphenol, branched, ethoxylated CAS # 127087-87-0, Sodium Silicate CAS # 1344-09-8

**PELIGRO: PRODUCE IRRITACIÓN DE LA PIEL. CAUSA GRAVES
DAÑOS EN LOS OJOS. MANTENER FUERA DEL ALCANCE DE
LOS NIÑOS. CONSEJOS DE PRUDENCIA**

Prevención: No respirar vapores o niebla. Llevar guantes de protección. Use protección para los ojos/la cara.

Respuesta: Si con la piel: Lavar con abundante agua. Si en los ojos: Enjuague con cuidado con agua durante varios minutos. Quite los lentes de contacto, si los hay, y muy fácil de hacer. Continúe enjuagando. Inmediatamente llame a un centro de envenenamientos/médico. Si se produce irritación de la piel: consejos médicos y de atención. En caso de ingestión: Enjuagar la boca. No se debe inducir el vómito. Si se inhala: Llevar a la persona a mantener aire fresco y cómodo para la respiración. Si la irritación de la piel o erupción se produce: obtener una opinión médica y de atención. Lavar la ropa contaminada antes de volver a utilizarlo.

Almacenamiento: Store está bloqueado.

Eliminación: Disponer de contenidos/contenedor de conformidad con local/regional/nacional/internacional.

Este producto es una "sustancia química peligrosa" que se define por la OSHA Hazard Communication Standard, 29 CFR 1910.1200. Todos los componentes son de la EPA de EE.UU. Lista de inventario TSCA.

Medidas additional de primeros auxilios:

Lea toda la etiqueta y SDS antes de usar este producto, así como medidas adicionales de primeros auxilios. SDS para el artículo está disponible en la web en www.nclonline.com

★★ MADE IN USA ★★

1220-29-0515



FOR COMMERCIAL AND
INDUSTRIAL USE ONLY
QUESTIONS?
Call (800) 628-2436



To learn more
about this
product, scan
this QR code to
visit our website.



World Class Cleaning Solutions®

401 N. 10th Street • Philadelphia, PA 19123
1-800-NAT-CHEM • 215-922-1200 • FAX: 215-922-5517
www.nclonline.com • e-mail: info@nclonline.com