

8256 Water Shield

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 03/09/2016

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Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Name: 8256 Water Shield

1.2. Intended Use of the Product

Automotive Cleaning

1.3. Name, Address, and Telephone of the Responsible Party

Company

Ardex Laboratories, Inc.

2050 Byberry Rd

Philadelphia, PA 19116

T 215-698-0500

ardexlabs.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Skin Irrit.	2	H315
Eye Damage	1	H318
Accute Aquatic Toxicity	3	H402
Chronic Aquatic Toxicity	3	H412
Acute oral toxicity	4	H302
Acute inhalation toxicity	4	H332
Accute dermal toxicity	4	H312

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: DANGER

Hazard Statements (GHS-US)

: H315 Causes Skin irritation
H318 Causes serious eye damage
H302 Harmful if swallowed
H332 Harmful if inhaled
H312 Harmful in contact with skin
H402 Harmful to aquatic life
H412 Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-US)

: Prevention
P264 Wash exposed skin thoroughly after handling
P280 Wear protective gloves and goggles
P270 Do not eat drink or smoke when using this product
P310 Get medical attention immediately
P261 Avoid breathing mist/vapors/spray

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P271	Use only outdoors or in a well ventilated area
P280	Wear protective gloves
P273	Avoid release to the environment
Response	
P302+P352	IF ON SKIN: Wash with plenty of water
P332+P313	If skin irritation occurs, get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse
P305+P351+	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
P338	lenses, if present and easy to do. Continue rinsing.
P301+312	IF SWALLOWED, call a POISON CENTER/doctor if you feel unwell
P330	Rinse mouth
P304+P340	IF INHALED remove person to fresh air and keep comfortable for breathing
P312	Call a POISON CENTER/doctor if you feel unwell
P501	Dispose of contents and container in accordance with P305+P351+P338

2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US) No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	% (w/w)
Quaternary Ammonium Compounds, DiCocoalkyl, Dimethyl, Chlorides	(CAS No) 61789-77-3	<10
Acetic Acid	(CAS No) 64-19-7	<1
2-butoxyethanol	(CAS No) 111-76-2	<10
Polydimethylsiloxane	(CAS No) 9016-00-6	<10
Mixed surfactant (Trade Secret)		<10
Water, dye, fragrance		q.s. to 100

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove individual from site of exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Skin Contact: Immediately wash exposed area with soap and water for at least 15 minutes, then flush with water for at least 5 minutes. If reddening persists, or if open sores or blisters develop, see a physician. Remove contaminated clothing and launder before re-use.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

Ingestion: Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Unsuitable Extinguishing Media: No specific treatment

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

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Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon monoxide, nitrogen oxides, organic amines, hydrogen chloride, methyl chloride, and various unknown organic compounds.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: None classified.

7.3. Specific End Use(s)

Cleaning and degreasing

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Component	Regulation	Type of Listing	Value/notation
Ethylene glycol monobutyl ether	ACGIH	TWA	20ppm
	OSHA A-1	TWA	240mg/m3 50ppm
	ACGIH	TWA	BEI
	OSHA Z-1	TWA	Absorbed via skin
Acetic Acid	ACGIH	TWA	10ppm

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	ACGIH	STEL	15ppm
	OSHA Z-1	PEL	10ppm, 25mg/m3

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear , free-flowing yellow color with a characteristic odor
Odor	: Hydrocarbon-Fruity odor
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: -62.6°F (-17 °C) (forms slurry)
Boiling Point	: 96-176 C (195-350 F)
Flash Point	: None
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not Available
Upper Flammable Limit	: Not Available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: 1-1.1 (@20 DEG. C)
Solubility	: Miscible
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Viscosity, Dynamic	: Notavailable
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available

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SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Incompatible materials.
- 10.5. Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Ketones. Organic acids.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects – Product

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ethylene glycol monobutyl ether	LD50	Guinea pig	1,400mg/kg	Oral
	LD50	Rat	1,300mg/kg	Oral
	LD50	Guinea Pig	>2,000mg/kg	Dermal
	LC0	Guinea Pig	>3.1 mg/l	Inhalation (no deaths at this concentration)
Acetic Acid	LD50	Rat	3,320mg/kg	Oral
	LD50	Rabbit	1,060mg/kg	Dermal
	LC50	Rat	>16,000ppm	Inhalation (4h)

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetic Acid	Severe	Rabbit		24hr	Skin
	Severe	Rabbit			Eye

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available

Teratogenicity

There is no data available

Specific target organ toxicity (single exposure)

No data available

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Ethylene glycol monobutyl ether	N/A	N/A	Kidneys, blood (hemolysis)

Aspiration hazard

There is no data available.

Information on the likely routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Delayed and immediate effects and also chronic effects from short and long term exposure

Specific Target Organ Systemic Toxicity (Repeated Exposure)

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An ingredient in this product has been known to: in animals, effects have been reported on the following organs: blood (hemolysis) and secondary effects on the kidney and liver.

Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits.

Carcinogenicity

In long-term animal studies with ethylene glycol butyl ether, small but statistically significant increases in tumors were observed in mice but not rats. The effects are not believed to be relevant to humans. If the material is handled in accordance with proper industrial handling procedures, exposures should not pose a carcinogenic risk to man.

Teratogenicity

Ethylene glycol butyl ether has been toxic to the fetus in laboratory animals at doses toxic to the mother. Did not cause birth defects in laboratory animals.

Reproductive toxicity

In laboratory animal studies, ethylene glycol butyl ether's effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

Mutagenicity

In vitro genetic toxicity studies with ethylene glycol butyl ether were predominantly negative. Animal genetic toxicity studies were negative.

Carcinogenicity Component

Ethylene glycol monobutyl ether

List

ACGIH

Classification

A3: Confirmed animal carcinogen with unknown relevance to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/ingredient name	Result	Species	Exposure
Ethylene glycol monobutyl ether	LC50	Oncorhynchus mykiss (rainbow trout)	96hr, 1,474 mg/l, OECD Test Guideline 203
	EC50	Daphnia magna (Water flea)	48hr, 1,550 mg/l, OECD Test Guideline 202
	EbC50	Pseudokirchneriella subcapitata (green algae)	72hr, Biomass, 911 mg/l, OECD Test Guideline 201
	IC50	Bacteria, growth inhibition	>1,000 mg/l
	NOEC	Danio rerio (zebra fish) (chronic tox. test)	21 days @ >100 mg/l
	NOEC	Daphnia magna (zebra fish) (Chronic toxicity to aquatic invertebrates)	21days @ >100 mg/l
Acetic Acid	LC50	Fathead Minnow	96hr @300.82mg/l
	EC50	Daphnid	48@ >300.82mg/l
	EC50	Alga	72hr @300.82mg/l

Persistence and degradability – no data available

Bioaccumulative potential – No data available

Mobility in soil

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

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Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

- 14.1. In Accordance with DOT Not regulated for transport
- 14.2. In Accordance with IMDG Not regulated for transport
- 14.3. In Accordance with IATA Not regulated for transport
- 14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

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SARA Section 311/312 Hazard Classes	(Ethylene glycol monobutyl ether) Fire Hazard Acute Health Hazard Chronic Health Hazard

Sara 313 listed components

Ethylene glycol monobutyl ether (111-76-2)

15.2. US State Regulations

State regulations

- Massachusetts : None of the components are listed.
- New York: : None of the components are listed.
- New Jersey : None of the components are listed.
- Pennsylvania : Ethylene glycol monobutyl ether (111-76-2)

California Prop. 65

No products were found.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

- Revision Date : 03/09/2016
- Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

Ardex Laboratories, Inc. 2050 Byberry rd Philadelphia, PA 19116 T: 215-698-0500 ardexlabs.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012