

6215 Overspray

Safety Data Sheet

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

Revision Date: 05/05/2015

Date of issue: 05/05/2015

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Name: 6215 Overspray

1.2. Intended Use of the Product

Window Cleaner

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)

Flammable Liq.	3	H227
Aspiration	1	H304
Skin Irritation	2	H315
Specific Target Organ Single Exposure	2	H335,H336,H371
Eye irritation	2b	H320
Acute Tox. Inhalation	4	H332
Acute Tox. Oral	5	H303
Skin Corrosion	5	H313

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) :

H227 Combustible liquid (North America), Not Regulated (Elsewhere).
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H320 Causes eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H371 May cause damage to organs
H303 May be harmful if swallowed
H313 May be harmful in contact with skin

Precautionary Statements (GHS-US) :

P264 Wash with soap & water thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 IF ON SKIN: Wash with soap & water.
P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.
P309+311 If exposed or you feel unwell: Call a POISON CENTER or doctor/physician.

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P332+313 If skin irritation occurs: Get medical advice/attention.
P337+313 If eye irritation persists, get medical advice/attention.
P361 Remove/Take off immediately all contaminated clothing.
P312 Call a poison center or doctor if you feel unwell
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant.

2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.
CLP I According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
DSD/DPD I This product is considered dangerous according to the European Directive 67/548/EEC.

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)
ISOPROPYL ALCOHOL	(CAS No) 67-63-0	<10
ETHYLENE GLYCOL MONOBUTYL ETHER	(CAS No) 111-76-2	<20
MORPHOLINE	(CAS No) 110-91-8	<.5

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: Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention if artificial oxygen is administered.

Skin Contact: In case of contact with substance, immediately flush skin with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin. Remove and isolate contaminated clothing and shoes. Call 911 or emergency medical service.

Eye Contact: In case of contact with substance, immediately flush eyes with running water for at least 15 minutes.

Ingestion: If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media | LARGE FIRE: Water spray, fog or regular foam.

SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing No data available

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5.2. Special Hazards Arising From the Substance or Mixture

Unusual Fire and Explosion Hazards - I Heat builds up pressure in closed containers. Cool with water stream.
Toxic fumes and vapors may be produced.

Hazardous Combustion

Products

I Carbon dioxide, carbon monoxide, acrid smoke, irritating fumes.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present. Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

Firefighting Instructions: Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Runoff from fire control may cause pollution.

LARGE FIRES: Dike fire-control water for later disposal

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

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

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

Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.

6.2. Environmental Precautions

Avoid run off to waterways and sewers.

6.3. Methods and Material for Containment and Cleaning Up

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal Considerations).

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

Isolate from oxidizers, heat, & open flame. Use only with adequate ventilation. Avoid or repeated breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles. Consult Safety Equipment Supplier. Wear goggles, gloves. Wash clothing before reuse. Do not flame cut, braze, or weld drums. Empty drum containers are very hazardous! Continue all label precautions!

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)

Window Cleaner

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

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Ingredients	Basis	Value	Control Parameters	Note
2-Butoxyethanol (CAS No) 111-76-2 EINCS# 203-905-0	TWA OSHA TLV ACGIH	50ppm S 20ppm S		
propan-2-ol	ACGIH TLV (United States, 3/2012). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes. OSHA PEL 1989 (United States, 3/1989). TWA: 400 ppm 8 hours. TWA: 980 mg/m ³ 8 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m ³ 15 minutes. NIOSH REL (United States, 1/2013). TWA: 400 ppm 10 hours. TWA: 980 mg/m ³ 10 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m ³ 15 minutes. OSHA PEL (United States, 6/2010). TWA: 400 ppm 8 hours. TWA: 980 mg/m ³ 8 hours.			
Morpholine 110-91-8	TWA	20ppm		Upper respiratory tract irritation and eye damage.

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 TAN, THIN LIQUID
Odor	: ALCOHOL/AMINE –ODOR
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: 10f
Boiling Point	: 200-265 DEG. F
Flash Point	: 125

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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	: 20EC=1.1
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: >0.800-0.850(@20 DEG. C)
Solubility	: soluble in water
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

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:** May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
- 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:** Carbon Monoxide, Carbon Dioxide from burning.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects – Product

Acute toxicity Oral

Ethylene	: LD50: > 320 mg/kg
Glycol Butyl	Species: Rabbit
Ether 111-76-2	
propan-2-ol	: LD50>5000mg/kg
67-63-0	Species: Rat
Morpholin	: LD50>1450mg/Kg
e 110-91-8	Species: Rat

Inhalation Toxicity

Ethylene	: LC50: > 700ppm
Glycol	Exposure time: 4 h
Butyl	Species: mice
Ether 111-76-2	
propan-2-ol	: LC50>45248 ppm
67-63-0	Species: Rat
Morpholin	: LC50>8000ppm
e 110-91-8	Species: Rat
	Exposure time: 8hours

Dermal Toxicity

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Ethylene : LD50: > 440mg/Kg

Glycol Butyl Species: rabbit

Ether 111-76-2

propan-2-ol : LD50>12800 mg/kg

67-63-0 Species: Rabbit

Morpholine : LD50>500mg/Kg

110-91-8□ Species: Rabbit

Irritation/Corrosion

Irritating to skin. May cause skin irritation in susceptible persons

Product	Result	Species	Exposure
propan-2-ol 67-63-0	Eyes – Moderate irritant	Rabbit	24 hours 100 Milligrams
	Skin – Mild irritant	Rabbit	500milligrams
Morpholine 110-91-8□	Skin – Severe skin irritant	Rabbit	24hr
	Eyes – Severe eye irritation	Rabbit	

Sensitization

There is no data available.

Mutagenicity

Morpholine 110-91-8 - Genotoxicity in vitro - mouse - lymphocyte
Morphological transformation.
Genotoxicity in vitro - Hamster - ovary
Sister chromatid exchange

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)

Name	Category	Route Of exposure	Target Organs
Ethylene Glycol Butyl Ether 111-76-2	Category 3	N/A	Narcotic Effects Respiratory irritant
propan-2-ol 67-63-0	Category 3	N/A	Narcotic Effects

Aspiration hazard

Ethylene Glycol Butyl Ether 111-76-2 : May be fatal if swallowed and enters airways. Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

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

Potential acute health effects

Eye contact : Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling..

Inhalation : Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause harm to affected organs by routes of entry.

Skin contact : Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure

Ingestion: : Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

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Aspiration: : May be fatal if swallowed and enters airways

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: pain or irritation, watering redness
Inhalation Skin contact : No known significant effects or critical hazards.
contact : Adverse symptoms may include the following: irritation redness
Ingestion : No known significant effects or critical hazards.

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

CONDITIONS AGGRAVATED

Chronic overexposure can cause harm to affected organs by routes of entry.

Persons with severe skin, liver or kidney problems should avoid use.

Long term exposure

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH,

OSHA or ACGIH, as of this date, greater or equal to 0.1%.

Absorption thru skin may be harmful.

Potential chronic health effects

General : May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity : No known significant effects or critical hazards
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic Toxicity - The most sensitive known aquatic group to any component of this product is: Tidewater Silversides 1250 ppm or mg/L (96 hour exposure). Keep out of sewers and natural water supplies.

Persistence and degradability – This product is completely biodegradable.

Bioaccumulative potential – No data available

Mobility in soil – This material is a mobile liquid.

13.1. Waste treatment methods

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

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 BULK: NA1993, Combustible liquid, n.o.s.
(contains: 2-Ethoxybutanol), PG-III
14.2. In Accordance with IMDG Not DOT regulated on trucks in containers of < 119 gallons.
14.3. In Accordance with IATA Not Regulated
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	Acute Health, Chronic Health, Fire

Ethylene Glycol Butyl Ether 111-76-2

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

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- SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.
- SARA 302 Threshold Planning Quantity : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.
- SARA 313 Ingredients : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.2. US State Regulations

State regulations

California Prop. 65

No products were found.

Pennsylvania Right To know: None Listed

New Jersey Right To Know: None Listed

International regulations

not determined

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

Revision Date : 05/05/2015

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