

SECTION 1: Identification

1.1 Product identifier

Product name Overspray

Product number

1.3 Recommended use of the chemical and restrictions on use Glass cleaner

6215

info@ardexlabs.com

1.4 Supplier's details

email

Name Address	Ardex Labs. 2050 Byberry Rd Philadelphia, PA 19116 United States of America
Telephone	2156980500

1.5 Emergency phone number(s)

800-424-9300 CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Eye damage/irritation (chapter 3.3), Cat. 2A
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Flammable liquids (chapter 2.6), Cat. 4

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)
H227
H315
H319

Combustible liquid Causes skin irritation Causes serious eye irritation



Overspray SAFETY DATA SHEET

Precautionary statement(s)

Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P264	Wash hands and exposed skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P302+P352	IF ON SKIN: Wash with plenty of water/soap
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use foam/C02 to extinguish.
Storage	Ŭ
P403+P235	Store in a well ventilated place. Keep cool.
Disposal	
P501	Dispose of contents/container to local, state, and federal regulations

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	Concentration	
ISOPROPANOL (CAS no.: 67-63-0; EC no.: 200-661-7; Index no.: 603-117-00-0)	< 5 % (Weight)	
CLASSIFICATIONS: Flammable liquids (chapter 2.6), Cat. 2; Eye damage/irritation (chapter 3.3), Cat. 2; Specific target organ toxicity,		
single exposure (chapter 3.8), Cat. 3. HAZARDS: H225 - Highly flammable liquid and vapor; H319 - Causes serious eye irritation; H336 -		
May cause drowsiness or dizziness.		
ETHYLENE GLYCOL MONOBUTYL ETHER (CAS no.: 111-76-2; EC no.: 203-905-0; Index	x no.: 603-014-00-0) < 20 % (Weight)	
CLASSIFICATIONS: Acute toxicity, oral (chapter 3.1), Cat. 4; Flammable liquids (chapter 2	2.6), Cat. 4; Acute toxicity, dermal (chapter 3.1),	
Cat. 4; Skin corrosion/irritation (chapter 3.2), Cat. 2; Eye damage/irritation (chapter 3.3), Cat. 2A; Acute toxicity, inhalation (chapter 3.1),		
Cat. 4. HAZARDS: No data available.		
MORPHOLINE (CAS no.: 110-91-8; EC no.: 203-815-1; Index no.: 613-028-00-9)	< 2 % (Weight)	
CLASSIFICATIONS: Acute toxicity, dermal (chapter 3.1), Cat. 3; Acute toxicity, inhalation ((chapter 3.1), Cat. 3; Acute toxicity, oral	
(chapter 3.1), Cat. 4; Eye damage/irritation (chapter 3.3), Cat. 1; Flammable liquids (chapter 2.6), Cat. 3; Hazardous to the aquatic		
environment - acute hazard (chapter 4.1), Cat. 3. HAZARDS: H226 - Flammable liquid and vapor; H302 - Harmful if swallowed; H311 -		
Toxic in contact with skin; H318 - Causes serious eye damage; H331 - Toxic if inhaled; H402 - Harmful to aquatic life.		

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities of the ingredients in this mixture are considered to be trade secrets and are withheld in accordance with the provisions of 1910.1200 of the code of federal regulations

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice

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



Overspray SAFETY DATA SHEET

If inhaled	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.
In case of 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.
In case of eye contact	In case of contact with substance, immediately flush eyes with running water for at least 15 minutes.
If swallowed	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.

Personal protective equipment for first-aid responders

See Section 8 for exposure and PPE recomendations

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

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 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

5.2 Specific hazards arising from the chemical

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 Special protective actions for fire-fighters





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).

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 materials 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).

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.

Specific end use(s)

Window/glass Cleaner



SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 110-91-8

Morpholine

Cal/OSHA: 20 ppm, (ST) 30 ppm PEL inhalation; NIOSH: 20 ppm, (ST) 30 ppm REL inhalation; OSHA: 20 ppm PEL inhalation; 70 mg/m3 PEL inhalation

CAS: 111-76-2

2-Butoxyethanol

Cal/OSHA: 20 ppm PEL inhalation; NIOSH: 5 ppm REL inhalation; OSHA: 50 ppm PEL inhalation; 240 mg/m3 PEL inhalation

ETHYLENE GLYCOL MONOBUTYL ETHER OSHA: dermal

CAS: 67-63-0

Isopropyl alcohol

Cal/OSHA: 400 ppm, (ST) 500 ppm PEL inhalation; NIOSH: 400 ppm, (ST) 500 ppm REL inhalation; OSHA: 400 ppm PEL inhalation; 980 mg/m3 PEL inhalation

8.2 Appropriate engineering controls

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

8.3 Individual protection measures, such as personal protective equipment (PPE)



Eye/face protection Chemical goggles or safety glasses.

Skin protection Wear suitable protective clothing.

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.

SECTION 9: Physical and chemical properties





Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.) liquid ALCOHOL/AMINE -ODOR Odor Odor threshold No data available. bН No data available. Melting point/freezing point 10f 200-265 DEG. F Initial boiling point and boiling range Flash point 141f Evaporation rate No data available. No data available. Flammability (solid, gas) Upper/lower flammability limits No data available. Vapor pressure 20EC=1.1 Vapor density No data available. Relative density >0.800-0.850(@20 DEG. C) Solubility(ies) Soluble in water Partition coefficient: n-octanol/water No data available. Auto-ignition temperature No data available. Decomposition temperature No data available. No data available. Viscosity Explosive properties No data available. Oxidizing properties No data 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

Information on toxicological effects

Acute toxicity

ETHYLENE GLYCOL MONOBUTYL ETHER LD50 Oral - Guinea pig - 1400 mg/kg



Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER LD50 Oral - Rat - 1300 mg/kg Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER LD50 Skin - Guinea pig - >2000 mg/kg Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER LC50 Inhalation - Guinea pig - >3.1 mg/l - 1hr Result: No deaths occured at this value Remarks: vapor Citation: DOW Chemical rev. date: 04/21/2015

ISOPROPANOL LC50 Inhalation - Rat - 45248 ppm - 1hr Citation: AIRGAS rev. date: 5/20/2015

ISOPROPANOL LD50 Skin - Rabbit - 12800 mg/kg Citation: AIRGAS rev. date: 5/20/2015

ISOPROPANOL LD50 Oral - Rat - 5000 mg/kg Citation: AIRGAS rev. date: 5/20/2015

Skin corrosion/irritation

ISOPROPANOL Skin - Rabbit - 500mg Result: Mild irritant Citation: AIRGAS rev. date: 5/20/2015

Serious eye damage/irritation

ISOPROPANOL Eyes - Rabbit - 100mg - 24hr Result: Moderate irritant Citation: AIRGAS rev. date: 5/20/2015

Respiratory or skin sensitization ETHYLENE GLYCOL MONOBUTYL ETHER

Result: Did not cause allergic skin reactions when tested in humans. Did not cause allergic skin reactions when tested in guinea pigs. Citation: DOW Chemical rev. date: 04/21/2015

Germ cell mutagenicity

No data available.



Carcinogenicity No data available.

Reproductive toxicity No data available.

Summary of evaluation of the CMR properties No data available.

STOT-single exposure ISOPROPANOL

Result: Category 3: Narcotic effects Citation: AIRGAS rev. date: 5/20/2015

STOT-repeated exposure

No data available.

Aspiration hazard No data available.

Additional information No data available.

SECTION 12: Ecological information

Toxicity

ETHYLENE GLYCOL MONOBUTYL ETHER LC50 - Oncorhynchus mykiss (rainbow trout) - 1474 mg/l - 96hr Result: Acute Toxicity Remarks: OECD Test guideline 203 Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER EC50 - Daphnia magna (water flea) - 1550 mg/l - 48hr **Result: Acute Toxicity** Remarks: OECD Test guideline 203 Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER EbC50 - Pseudokirchneriella subcapitata (green algae) - 911 mg/l - 72hr Result: Acute Toxicity: Biomass Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER IC50 - Bacteria - >1000 mg/l Result: Acute Toxicity: Growth inhibition Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER



NOEC - Danio rerio (zebra fish) - >100 mg/l - 21days Result: Chronic Toxicity Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER NOEC - Daphnia magna (water flea) - >100 mg/l - 21days Result: Chronic Toxicity Citation: DOW Chemical rev. date: 04/21/2015

ISOPROPANOL LC50 - Crustaceans - Crangon crangon - 1400000 to 1950000 µg/l - 48hr Citation: AIRGAS rev. date: 5/20/2015

ISOPROPANOL LC50 - Fish - Rasbora heteromorpha - 4200 mg/l - 96hr Citation: AIRGAS rev. date: 5/20/2015

Persistence and degradability

No data available.

Bioaccumulative potential

ETHYLENE GLYCOL MONOBUTYL ETHER OECD Result: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is ultimately biodegradable (reaches > 70% mineralization in OECD test(s) for inherent biodegradability). 10-day Window: Pass Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B or Equivalent Theoretical Oxygen Demand: 2.30 mg/mg Citation: DOW Chemical rev. date: 04/21/2015

ETHYLENE GLYCOL MONOBUTYL ETHER OECD Result: Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water(log Pow): 0.81 Measured Bioconcentration factor (BCF): 3.2 Citation: DOW Chemical rev. date: 04/21/2015

ISOPROPANOL LogPow - 0.05 Result: Potential: low

Mobility in soil ETHYLENE GLYCOL MONOBUTYL ETHER

Result: Potential for mobility in soil is high (Koc between 50 and 150). Partition coefficient(Koc): 67 Estimated. Citation: DOW Chemical rev. date: 04/21/2015



Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

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

Disposal of contaminated packaging

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

Waste treatment

Do not allow product to enter sewars or drains. Prevent runoff.

Sewage disposal

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

SECTION 14: Transport information

14.1	UN Number	1993
14.2	UN Proper Shipping Name	Combustible liquid, n.o.s. (contains: 2-Ethoxybutanol),
14.3	Transport hazard class(es)	3
14.4	Packing group	111

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not DOT regulated on trucks in containers of < 119 gallons

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components Chemical name: Isopropyl alcohol (mfg-strong acid process) CAS number: 67-63-0

New Jersey Right To Know Components Common name: ISOPROPYL ALCOHOL CAS number: 67-63-0

Common name: 2-BUTOXY ETHANOL CAS number: 111-76-2



Common name: MORPHOLINE CAS number: 110-91-8

Pennsylvania Right To Know Components

Chemical name: 2-Propanol CAS number: 67-63-0

Chemical name: Ethanol, 2-butoxy-CAS number: 111-76-2

Chemical name: Ammonium hydroxide CAS number: 1336-21-6

Chemical name: Morpholine CAS number: 110-91-8

SARA 311/312 Hazards

Chemical name: 2-Propanol CAS number: 67-63-0.....Fire hazard, Immediate (Acute) health hazard

Chemical name: Ethanol, 2-butoxy-CAS number: 111-76-2....Acute Health Hazard, Fire Hazard, Chronic Health Hazard

SARA 313 Components

Chemical name: 2-Propanol CAS number: 67-63-0.....Form R - Reporting requirements

Chemical name: Ethanol, 2-butoxy-CAS number: 111-76-2

Toxic Substances Control Act (TSCA) Inventory Chemical name: Ethanol, 2-butoxy-CAS number: 111-76-2.....Compliant

CERCLA

5000 LBS 107-15-3 ethylenediamine 100 LBS 100-74-3; 110-91-8 4-ethylmorpholine; morpholine

California Prop. 65 Components

Chemical name: Morpholine CAS number: 110-91-8: WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SECTION 16: Other information

Revision Date: 05/03/2017

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



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