

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

PRODUCT: Window Warsh

COMPANY NAME: Undrdog Surface Solutions LLC

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DEPARTMENT: Reserch & Development

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2. HAZARDS IDENTIFICATION

GHS CLASIFICATION:

HEALTH ENVIRONMENTAL

PHYSICAL

Eye Effects - Category 2B (Mild Irritation)	Flammable Liquid - N/A
Skin Corrosion - N/A	Explosives - N/A
Acute Toxicity - Category 5 (oral) N/A (inhalation), N/A (oral/dermal)	Flammable Gases - N/A
Skin Sensitization - N/A	Flammable Aerosols - N/A
Mutagenicity - N/A	Oxidizing Gases - N/A
Carcinogenicity- N/A	Gases Under Pressure - N/A
Reproductive/Developmental- N/A	Flammable Solid - N/A
Target Organ Toxicity - N/A	Self-reactive substances - N/A
Toxicity - N/A	Pyrophoric solids - N/A
Aspiration Hazard - N/A	Self-Heating substances - N/A
Environmental Hazards - N/A	Oxidizing Liquids - N/A
Hazardous to the aquatic environment - N/A	Oxidizing Solids - N/A
	Organic Peroxides - N/A
	Corrosive to Metal - N/A
	Substances which, in contact with water emit flammable gasses - N/A

HAZARD STATEMENTS

WARNING!

H303: May be harmful if swallowed.

H320: Causes eye irritation.

PRECAUTIONARY STATEMENTS GENERAL:

P101 If medical advice is needed, have product or label at hand. **P102** Keep out of reach of children **P103** Read label before use.



Prevention: P264 Wash thoroughly after handling.

Response: P301 + P312 If Swallowed: Call a POISON CONTROL CENTER or doctor/physician. Rinse Mouth. P305 +P351+P338 If In eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists get medical advice/attention.

Storage: N/A

Disposal: P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Water	7732-18-5	90 - 100
Isopropyl alcohol	67-63-0	≤ 5
Polyethylene Glycol Trimethylnonyl	60828-78-6	≤ 1
Polydimethyl siloxane	7631-86-9	<1
Fragrance	Proprietary Mixture	<1
Colorant	Proprietary Mixture	

4. FIRST AID MEASURES

EYE CONTACT

Flush immediately with large amounts of clean water for at least 15 minutes, eyelids should be held away from the eyeball to ensure thorough rinsing. If any irritation persists, seek medical attention.

SKIN CONTACT

Rinse area with soap and water. Seek medical attention if any redness or irritation persists

INHALATION

N/A

INGESTION

Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.



5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide to extinguish fire. Water may be ineffective but should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and to flush them away from sources of ignition. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: None known. ADVISE FOR FIREFIGHTERS: No special protective action for fire fighters are anticipated. UNUSUAL FIRE AND EXPLOSION: N/A. COMBUSTION PRODUCTS: N/A.

6. ACCIDENTAL RELEASE MEASURES

Contain large spills with dikes to prevent entry to waterways and sanitary sewers and transfer the material to appropriate containers for reclamation or disposal. Absorb/trap remaining material or small spills with inert material (dirt, sand, industrial absorbent) and then place in chemical waste containers. Flush residual spill area with large amounts of water. Dispose of all clean up materials in accordance with all applicable federal, state, and local health and environmental regulations.

7. HANDLING AND STORAGE

HANDLING:

Do not get in eyes, on skin or on clothing. Do not breathe vapor or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Keep away from heat and flame. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools. Chemical resistant splash goggles and chemical resistant gloves are always recommended when using chemicals.

STORAGE:

Keep container tightly closed in a cool, dry, well-ventilated area away from heat, source of ignition and incompatibles. Do not store below 32 degrees F or above 100 degrees C. Do not store in direct sunlight. Keep away from children.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: Isopropyl alcohol 67-63-0

ACGIH	PEL	400 ppm
ACGIH	TWA	200 ppm
OSHA Z1	PEL	400 ppm - 980 mg/m ³
OSHA Z1A	TWA	400 ppm - 980 mg/m ³
OSHA Z1A	STEL	500 ppm - 1,225 mg/m ³

ENGINEERING CONTROLS: None.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Eye Protection: Wear chemical safety goggles and face shield. Have eye-wash stations available where eye contact can occur.

Skin Protection: Avoid prolonged skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of apron.

Respiratory Protection: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

FLASHPOINT: NO FLASH POINT

AUTO-IGNITION TEMPERATURE: NO DATA AVAILABLE

LOWER FLAMMABILITY LIMIT: NO DATA AVAILABLE

UPPER FLAMMABILITY LIMIT: NO DATA AVAILABLE

BOILING POINT: k 95°C

MELTING POINT: NO DATA AVAILABLE

VOLATILE ORGANIC COMPOUND: .5% WEIGHT [CARB]

VOLATILE ORGANIC COMPOUND: 5 g/L [SCAQMD 443.1

VAPOR PRESSURE: NO DATA AVAILABLE

EVAPORATION RATE (WATER=1): NO DATA AVAILABLE

VAPOR DENSITY (AIR = 1): NO DATA AVAILABLE

VISCOSITY: NO DATA

SOLUBILITY: SOLUBLE IN WATER PH: 8 ± .5

POUR POINT: NOT AVAILABLE



MOLECULAR WEIGHT: MIXTURE
MOLECULAR FORMULA: MIXTURE
SPEC. GRAV. DENSITY: 8.182 LBS. /GAL.
ODOR/APPEARANCE: NO COLOR / NO SCENT

10. STABILITY AND REACTIVITY

REACTIVITY: NONE.
CHEMICAL STABILITY: STABLE
CONDITIONS TO AVOID: NONE
POSSIBILITY OF HAZARDOUS REACTIONS: HAZARDOUS POLYMERIZATION WILL NOT OCCUR
INCOMPATIBLE MATERIALS: STRONG ACIDS AND OXIDIZERS.
HAZARDOUS DECOMPOSITION: NONE KNOWN

11. TOXICOLOGICAL INFORMATION

SIGNS AND SYSTEMS OF EXPOSURE: Based on the test data and/or information on the components, this material may produce the following health effects.

INHALATION: RESPIRATORY TRACT IRRITATION: NONE

SKIN CONTACT: MILD SKIN IRRITATION: NONE

EYE CONTACT: MODERATE EYE IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE REDNESS, SWELLING, PAIN, TEARING, AND BLURRED OR HAZY VISION.

INGESTION: GASTROINTESTINAL IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE ABDOMINAL PAIN, STOMACH UPSET, NAUSEA, VOMITING AND DIARRHEA.

TARGET ORGAN EFFECTS: ALLERGIC SKIN REACTION (NON-PHOTO INDUCED) IN SENSITIVE PEOPLE. SIGNS/SYMPTOMS MAY INCLUDE REDNESS, SWELLING, BLISTERING, AND ITCHING.

TOXICOLOGICAL DATA: IF A COMPONENT IS DISCLOSED IN SECTION 3 BUT DOES NOT APPEAR IN A TABLE BELOW, EITHER NO DATA ARE AVAILABLE FOR THAT END-POINT OR THE DATA ARE NOT SUFFICIENT FOR CLASSIFICATION.



ACUTE TOXICITY

Name	Route	Species	Value
Polyethylene Glycol Trim	Oral	Rat	LD 50 3,300 mg/kg
Polyethylene Glycol Trim	Inhalation	-	No data available
Polyethylene Glycol Trim	Dermal	Rabbit	LD 50 : 8,874 mg/kg
Acetic Acid	Oral	Rat	LD 50: n/a
Acetic Acid	Inhalation	Rat	LD 50: n/a
Acetic Acid	Dermal	Rat	LD 50: n/a

12. ECOLOGICAL INFORMATION

ACUTE AND PROLONGED TOXICITY TO FISH:

NO DATA

ACUTE TOXICITY TO AQUATIC INVERTEBRATES:

NO DATA

ENVIRONMENTAL FATE AND PATHWAYS:

NO DATA

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

Transport information Product is not classified as dangerous for transport.

14.1 UN number Not applicable.

14.2 UN proper shipping name Not applicable.

14.3 Transport hazard class(es) Not applicable.

14.4 Packing group Not applicable.

14.5 Environmental hazards Environmentally hazardous and/or Marine Pollutant:
No

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code



15. REGULATORY INFORMATION

Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312 311/312 Hazard Categories:

Fire Hazard - No,

Pressure Hazard - No,

Reactivity Hazard - No,

Immediate Hazard - Yes,

Delayed Hazard - No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community RighttoKnow Act of 1986) Section 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

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

This material does not contain any components with a CERCLA RQ

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

16. OTHER INFORMATION

NFPA Hazardous Classification

Health: 1 Flammability: 0 Instability: 0 Special Hazard: None

The information contained herein is based on data considered to be accurate. However, the information is provided without any warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be



