

# MATERIAL SAFETY DATA SHEET

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

**PRODUCT:** Undrdog Marine +

**COMPANY NAME:** Undrdog Surface Solutions LLC

**ADDRESS:** 122 Rose Lane, Suite 201, Frisco, TX 75036 United States

**PHONE:** +1 888-546-5098

**MAIL:** howdy@getundrdog.com

**DEPARTMENT:** Reserch & Development

**ISSUED/REVISED:** SEPTEMBER 23, 2022 (ISSUED)

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

HEALTH ENVIRONMENTAL	PHYSICAL
Eye Damage - Category 1, H318 Skin Corrosion - N/A Acute Toxicity - N/A Skin Irritation - Category 2, H315 Mutagenicity - N/A Carcinogenicity- N/A Reproductive/Developmental- N/A Target Organ Toxicity - N/A Toxicity - N/A Aspiration Hazard - N/A Environmental Hazards - N/A Hazardous to the aquatic environment - N/A Specific target organ toxicity - single exposure (Category 3), Respiratory irritation, H335 Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336	Flammable Liquid - Category 2, H225 Explosives - N/A Flammable Gases - N/A Flammable Aerosols - N/A Oxidizing Gases - N/A Gases Under Pressure - N/A Flammable Solid - N/A Self-reactive substances - N/A Pyrophoric solids - N/A Self-Heating substances - N/A Oxidizing Liquids - N/A Oxidizing Solids - N/A Organic Peroxides - N/A Corrosive to Metal - N/A Substances which, in contact with water emit flammable gases - N/A

### DANGER!

**H225** Highly flammable liquid and vapour.

**H315** Causes skin irritation.

**H318** Causes serious eye damage.

**H335** May cause respiratory irritation.

**H336** May cause drowsiness or dizziness.





### **PRECAUTIONARY STATEMENTS GENERAL:**

**P210** Keep away from heat/sparks/open flames/hot surfaces- No smoking.

**P233** Keep container tightly closed.

### **PREVENTION:**

**P240** Ground/bond container and receiving equipment.

**P241** Use explosion-protected electrical/ventilating/light/equipment.

**P242** Use only non-sparking tools.

**P243** Take precautionary measures against static discharge.

**P260** Do not breathe dust/fume/gas/mist/vapours/spray.

**P264** Wash thoroughly after handling.

**P270** Do not eat, drink or smoke when using this product.

**P280** Wear Protective gloves/protective clothing/eye protection/face protection.

### **RESPONSE:**

**P303 + P361 + P353: IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**P332 + P313: IF SKIN IRRITATION:** Get medical advice/attention.

**P362:** Take off contaminated clothing and wash before reuse.

**P304 + P340 + P312: IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**P305+P351+P338+P310: 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 or doctor/physician.

**P370 + P378: IN CASE OF FIRE:** Use dry sand, chemical foam, dry chemical and carbon dioxide for extinction.

### **STORAGE:**

**P403 + P233:** Store in a well ventilated place. Keep container tightly closed.

**P403 + P235:** Store in a well ventilated place. Keep cool.

**P405:** Store locked up.

### **DISPOSAL:**

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT %
Alkoxyisilane Oligomer	-	5-45
Alkoxyisiloxane Compound	-	5-45
Ethanol	64-17-5	10-30
Butyl alcohol	71-36-3	10-30
Tetraethyl Orthosilicate	78-10 -4	0.1-10

### 4. FIRST AID MEASURES

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**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Do not rub eyes and seek medical advice if irritation develops or persists.

**Skin Contact:** Remove contaminated clothing. Wash off with soap and plenty of water. If irritation occurs and persists, contact a doctor.

**Inhalation:** Remove from exposure and move to fresh air. Get medical attention if feel unwell.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention immediately.

**Advise a doctor:** Treat symptomatically.

### 5. FIREFIGHTING MEASURES

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**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** Do not use strongly water fog. As it may spread the fire.

**Special hazards arising from the substance or mixture:** Carbon oxides.

**Advice for firefighters:** Wear self-contained breathing apparatus and standard fire fighting equipment for firefighting..

## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin and eyes. For personal protection see section 8.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up:** For large amounts: Pump off product. For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations..

## 7. HANDLING AND STORAGE

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**Handling:** Use in well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Avoid contact with skin and eyes. Avoid breathing concentrated vapor. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. See section 2 for more information..

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Exposure Limits:** Butylalcohol: OSHA PEL= 100 p m ; 300 mg/cm<sup>3</sup>.

**Engineering Controls:** Provide enough ventilation, safety shower and eye wash fountain.

**Personal protective equipment:**

**Respiratory Protection:** Respiratory protection is not required. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

**Eyes Protection:** Use safety glasses if in-eye risk exists.



**Body Protection:** Wear suitable protective suit if necessary.

**Hands Protection:** Handle with chemical protective gloves (such as Butyl rubber gloves).

**Other Protections:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	Partition coefficient:	N/A
Odor:	Weak odor	Explosion Limits in Air - Upper:	15%-Ethanol
pH:	N/A	Explosion Limits in Air - Lower::	3.3%-Ethanol
Flashpoint:	<23°C-close cup	Viscosity:	N/A
Auto-ignition Temperature:	N/A		
Boiling Point:	No data available		
Melting Point:	No data available		
Vapor Pressure:	N/A		
Vapor Density (Air = 1):	N/A		
Solubility:	Partly soluble in water		
Density:	N/A		

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal temperature and pressure..

**Hazardous reactions:** None hazardous reactions known.

**Incompatibility (Materials to Avoid):** Strong oxidizing materials.

**Conditions to Avoid:** Keep away from open flames, hot surfaces, and sources of ignition.

**Hazardous Decomposition and/or Combustion Products:** No known.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

Butylalcohol:

LD50-rabbit-dermal-3400mg/kg

LD50-rat-oral-790mg/kg

LC50-rat-inhalation-8000ppm/4H

**Skin Corrosion/Irritation:** Causes skin irritation.



**Serious Eye Damage/Eye Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitization:** No data available.

**Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** ARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive Toxicity:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity- Single Exposure (Globally Harmonized System):** Butylalcohol: May cause drowsiness or dizziness.

**Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):** Asbestos fibre: Causes damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:** No aspiration hazard.

**Potential Health Effects:** Inhalation: Avoid inhaling concentrated vapor. Inhalation large amount of vapor may cause respiratory irritation. May cause drowsiness or dizziness.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Cause eye damage if liquid in-eye.

**Ingestion:** Not an expected route of exposure. May be harmful if ingested.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:** No data available.

**Mobility:** No data available.

**Bioaccumulative potential:** No data available.

**Persistence and Degradability:** No data available

**Environmental Adverse Effects:** No data available

**Other adverse effects:** Do not let product enter drains and water source.

## 13. DISPOSAL CONSIDERATIONS

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**Disposal Methods:** Observe all federal, state, and local environmental regulations. Offer surplus and non-recyclable products to a licensed disposal company.

**Waste Disposal Code(s):** If discarded, this product is considered a RCRA corrosive waste, D002.



## 14. TRANSPORT INFORMATION

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### U.S. DOT Information

**DOT-UN Number:** 1993 **DOT-Class:** 3

**DOT-Shipping Name:** FLAMMABLE LIQUID, N.O.S. (contain Ethanol, Butyl alcohol)

**DOT-Packing Group:** II

### ADR/RID Information

**ADR-UN Number:** 1993

**ADR-Class:** 3

**ADR-Shipping Name:** FLAMMABLE LIQUID, N.O.S. (contain Ethanol, Butyl alcohol)

**ADRPacking Group:** II

### IATA/ICAO Information

**IATA-UN Number:** 1993

**IATA-Class:** 3

**IATA-Shipping Name:** FLAMMABLE LIQUID, N.O.S. (contain Ethanol, Butyl alcohol)

**IATA-Shipping Name:** II

### IMO/IMDG Information

**IMDG-Marine Pollutant:** No

**IMDG-UN Number:** 1993

**IMDG-Class:** 3

**IMDG-Shipping Name:** FLAMMABLE LIQUID, N.O.S.(contain Ethanol, Butylalcohol)

**IMDG-Packing group:** II

## 15. REGULATORY INFORMATION

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### International Regulations

Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

## 16. OTHER INFORMATION

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### Abbreviations:

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds

pH - Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline

OSHA- Occupational Safety and Health Administration

NTP - National Toxicology Program

ARC- International Agency for Research on Cancer

ACGIH - The American Conference of Governmental Industrial Hygienists

ADR - Agreement on Dangerous Goods by Road

RID - Regulations Concerning the International Carriage of Dangerous Goods by Rail

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IMO - International Marine Organization

### Further Information:

-This safety data sheet was prepared in accordance with UN GHS Rev.8 and OSHA Hazard Communication Standards (29 CFR 1910.1200).

-This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.