

# MATERIAL SAFETY DATA SHEET

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

**PRODUCT:** Undrdog WSP

**COMPANY NAME:** Undrdog Surface Solutions LLC

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

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

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**DEPARTMENT:** Reserch & Development

**ISSUED/REVISED:** JULY 1, 2020 (ISSUED)

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## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Regulation (EC) No. 1272/2008



GHS06

H301 Toxic if swallowed



GHS05

H301 Causes severe skin burns and eye damage  
H290 May be corrosive to metals



GHS07

H332 Harmful if inhaled

### LABEL ELEMENTS

Regulation (EC) No. 1272/2008



GHS07

#### Hazard statements

H302 Harmful if swallowed  
H332 Harmful if inhaled



GHS05

H301 Causes severe skin burns and eye damage  
H290 May be corrosive to metals

## Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P260	Do not breathe mist, vapours, spray
P264	Wash exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting IF ON SKIN (or hair): Remove/
P303+P361+P353	Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
P363	Wash contaminated clothing before reuse
P405	Store locked up
P501	Dispose of contents/container to comply with local, state and federal regulations

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No	Chemical Name			Quantity
	EC No	Index No	I REACH No	
	Classification according to Regulation (EC) No. 1272/2008 (CLP)			
7664-93-9	Sulphuric Acid			0.2-14%
	7664-93-9	016-020-00-8	Not Applicable	
	Eye Dam. 1: H318; Skin Corr. 1A: H314 – Warning			
16961-83-4	Fluorosilicic Acid			4-12%
	16961-83-4	009-011-00-5	Not Applicable	
	Acute Tox. 4: H302; Skin Corr. 1 B: H314			

Full text of H and EUH statements: see section 15.

## 4. FIRST AID MEASURES

### AFTER INHALATION

If aerosol or mists are inhaled, take affected persons out into the fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

### AFTER SKIN CONTACT

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment

### **AFTER CONTACT WITH EYES**

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

### **AFTER INGESTION**

Rinse mouth thoroughly with water. Drink plenty of water ( dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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## **5. FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: Hydrogen fluoride, silicon oxides.

ADVISE FOR FIREFIGHTERS: Wear self-contained breathing apparatus for fire-fighting if necessary.

UNUSUAL FIRE AND EXPLOSION: None.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Wear personal protection equipment (refer to section 7).

### **ENVIRONMENTAL PRECAUTIONS**

Discharge into the environment must be avoided.

### **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Dilute with water to minimise fume emission and heat generation during neutralisation. Or use diluted sodium hydroxide or soda ash to form a slurry which can be washed to drain with copious amount of water. Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

### **REFERENCE TO OTHER SECTIONS**

Safe handling: see section 6

Personal protection equipment: see section 7

Disposal: see section 12

## 7. HANDLING AND STORAGE

### ADVICE ON SAFE HANDLING:

Wear personal protection equipment (refer to section 7).

### ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION

Not flammable

### FURTHER INFORMATION ON HANDLING

General protection and hygiene measures: refer to chapter 7

### REQUIREMENTS FOR STORAGE ROOMS AND VESSELS

Keep container tightly closed in a cool, well-ventilated place.

### ADVICE ON STORAGE COMPATIBILITY

Do not store together with food and feeding stuffs.

### FURTHER INFORMATION ON STORAGE CONDITIONS

Keep the packing dry and well sealed to prevent contamination. Recommended storage temperature: 20/EC

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS

### INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORK-PLACE:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**ADDITIONAL INFORMATION:** The lists valid during the making were used as basis.

### EXPOSURE CONTROL

**GENERAL PROTECTIVE AND HYGIENIC MEASURES:** Wash hands before breaks and at the end of work.

**RESPIRATORY PROTECTION:** 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. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

**PROTECTION OF HANDS:** The glove material has to be impermeable and re-



sistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**MATERIAL OF GLOVES:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**PENETRATION TIME OF GLOVE MATERIAL:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**EYE PROTECTION:** Goggles recommended during refilling

**BODY PROTECTION:** Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**SPECIFIC GRAVITY:** 1.05 (AT 20°C)

**BOILING POINT:** 100 °C

**VOLATILE ORGANIC%:** 0.0

**pH:** <1.0

**SOLUBILITY IN WATER:** SOLUBLE IN WATER PH: 8 ± .5

**EVAPORATION RATE:** LIKE WATER

**SOLUBILITY IN WATER:** WATER SOLUBLE

**ODOR/APPEARANCE:** SLIGHT SOUR/TRANSPARENT LIQUID

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## 10. STABILITY AND REACTIVITY

**REACTIVITY:** NO FURTHER RELAVANT INFORMATION AVAILABLE

**CHEMICAL STABILITY:** STABLE

THERMAL DECOMPOSITION I CONDITIONS TO AVOID : NO DECOMPOSITION IF USED ACCORDING TO SPECIFICATIONS

**CONDITIONS TO AVOID:** NO FURTHER RELEVANT INFORMATION AVAILABLE  
**CONDITIONS TO AVOID:** NO DANGEROUS REACTIONS KNOWN

**INCOMPATIBLE MATERIALS:** ALUMINIUM, AMINES, CARBIDES, HYDRIDES, FLUORINE, ALKALI METALS, METALS, KMNO<sub>4</sub>, STRONG BASES, SALTS OF OXYHALOGENIC ACIDS,



SULPHURIC ACID, SEMIMETALLIC OXIDES, ALDEHYDES, SULFIDES, LITHIUM SILICIDE, VINYL METHYL ETHER

**HAZARDOUS DECOMPOSITION PRODUCTS:** HYDROCHLORIC ACID, CHLORINE, HYDROFLUORIC ACID.

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## 11. TOXICOLOGICAL INFORMATION

Exposure route	Endpoint	Value	Species	Source
Oral	LD50	430 mg/kg	Rat	ECHA

**SKIN CORROSION/IRRITATION:** No data available

**SERIOUS EYE DAMAGE/EYE IRRITATION:** No data available

**RESPIRATORY OR SKIN SENSITIZATION:** No data available

**SUMMARY OF EVALUATION OF THE CMR PROPERTIES:** Shall not be classified as a germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** No data available

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** No data available

**ASPIRATION HAZARD:** No data available

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## 12. ECOLOGICAL INFORMATION

### TOXICITY

NO DATA

### PROCESS OF DEGRADABILITY

NO DATA

### BIOACCUMULATIVE POTENTIAL

NO DATA

### MOBILITY IN SOIL

NO DATA

### RESULTS OF PBT AND VPVB ASSESSMENT

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

### OTHER ADVERSE EFFECTS

NO DATA

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulation.

### SEWAGE DISPOSAL-RELATED INFORMATION

Do not empty into drains.

### RELEVANT PROVISIONS RELATING TO WASTE

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

### REMARKS

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

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## 14. TRANSPORT INFORMATION

**IMDG** Not dangerous goods

**IATA** Not dangerous goods

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## 15. REGULATORY INFORMATION

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

#### EU regulatory information:

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### Additional information:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII: not relevant

**National regulatory information:**

Water contaminating class (D): Non contaminating

**CHEMICAL SAFETY ASSESSMENT**

Chemical safety assessments for substances in this mixture were not carried out.

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**16. OTHER INFORMATION**

Changes since the last version are highlighted in the margin. This version replaces all previous versions. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material use in combination with any other materials or any process, unless specified in the test.

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