



## DEPTIL HDS

Code: 0 31N 0

### *Material Safety Data Sheet compliant with Regulation (EC) 2015/830*

Version 6.1.0

Revision: 01/08/18

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#### 2.1. Classification of the substance or mixture

The mixture meets the classification criteria provided for under Regulation (EC) No 1272/2008.

Flammable Liquid - Category 2      H225: Highly flammable liquid and vapour.

Eye irritation - Category 2      H319: Causes serious eye irritation.

#### 2.2. Label elements

##### Labelling according to 1272/2008/EC Regulation:

##### Hazard pictograms(s) :



##### Signal word :

Danger

Contains : Ethanol

##### Hazard statement(s) :

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

##### Precautionary statement(s) :

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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 + P313: If eye irritation persists: Get medical advice/attention.

P370 + P378: In case of fire: Use carbon dioxide, a dry powder, sprayed water, an alcohol resistant foam for extinction.

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

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

#### 2.3. Other hazards

No additional information available.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable as this involves a mixture.

#### 3.2. Mixtures

Chemical nature of the mixture : NEUTRAL pH LIQUID

Substance(s)	CAS number(s)	EINECS number(s)	No registration REACH	Classification according to Regulation 1272/2008/EC	Type
50% <= Ethanol < 75%	64-17-5	200-578-6	01-2119457610-43	Flam. Liq. 2 H225 Eye Irrit. 2 H319	(1) (2)
1% <= Isopropyl alcohol < 5%	67-63-0	200-661-7	01-2119457558-25	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	(1) (2)

#### Type

- (1) : Substance classified as hazardous for health and/or the environment
- (2) : Substance with an exposure limit at the work station.
- Substance of very high concern candidate for the authorisation procedure:
- (3) : Substance considered as PBT (persistent, bioaccumulable, toxic)
- (4) : Substance considered as vPvB (very persistent, very bioaccumulable)
- (5) : Substance considered as carcinogenic category 1A
- (6) : Substance considered as carcinogenic category 1B
- (7) : Substance considered as mutagenic category 1A
- (8) : Substance considered as mutagenic category 1B
- (9) : Substance considered as reprotoxic category 1A
- (10) : Substance considered as reprotoxic category 1B

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(11) : Substance considered as endocrine disrupter

Full text of H- and EUH- phrases : see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### **General indications:**

Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.  
In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

#### **In the event of inhalation :**

Bring to fresh air.  
Put into practice respiratory help procedure if needed and get medical advice immediately.

#### **In the event of contact with the skin :**

Take off immediately all contaminated clothing.  
Wash with water.

#### **In the event of contact with the eyes :**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### **In the event of ingestion :**

Rinse mouth.  
Do NOT induce vomiting.  
Get medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact :** DEPTIL HDS is not regarded as a mix which is irritating to the skin.

**Eye contact :** Causes serious eye irritation.

**Ingestion :** Ingestion can cause nausea, vomiting, abdominal pains and diarrhoea.

**Inhalation :** Cough. Shortness of breath. Headaches.

### 4.3. Indication of any immediate medical attention and special treatment needed

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**Treatments :** Symptomatic treatment

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media :**

CO<sub>2</sub>, powder, pulverized water  
Foam resisting to alcohol.

**Unsuitable extinguishing media :**

High pressure water jet

### 5.2. Special hazards arising from the substance or mixture

Highly flammable liquid and vapour.  
Vapours may cause explosive mixtures with air.

### 5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.  
Collect contaminated firefighting water separately, must not be discharged into the drains.  
Keep containers cool by spraying with water if exposed to fire.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**6.1.1. For non-emergency personnel :**

Evacuate non-essential staff and those not equipped with individual protection apparatus.

**6.1.2. For emergency responders :**

Evacuate the personnel to a safe location.  
Keep people upwind and away from the location of the flow/leak.  
Use personal protection equipment.

### 6.2. Environmental precautions

Intervention limited to trained staff.  
Do not discharge the product directly to sewer or to environment.  
Take as soon as possible all incompatible materials away.

### 6.3. Methods and material for containment and cleaning up

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#### **Small spillage :**

Wash with plenty of water.

#### **Large spillage :**

Mark out, soak up with an inert absorbant and pump in an emergency tank.

Never return spills in original containers for re-use.

Keep in suitable, properly labelled and closed containers for disposal.

#### **6.4. Reference to other sections**

Respect protective measures presented at heading 8.

Refer to section 13 for the elimination.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Do not eat, drink or smoke in work area. Avoid projections during use.

Avoid inhaling vapours or aerosols.

Operate in a well ventilated place.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **7.2.1. Storage :**

Keep only in the original container.

Keep in a clean, cool and well-ventilated place away from sources of heat and intense light.

Keep container closed.

##### **7.2.2. Packaging or wrapping materials :**

High density polyethylene recommended.

#### **7.3. Specific end use(s)**

DEPTIL HDS is for use as a biocide.

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

##### **Exposure limit values :**

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Substance	Country	Type	Value	Unit	Comments	source
Isopropyl alcohol	GBR	OEL 8h	400	ppm		International limit values for chemical agents
			999	mg/m <sup>3</sup>		International limit values for chemical agents
		OEL Short term	500	ppm		International limit values for chemical agents
			1250	mg/m <sup>3</sup>		International limit values for chemical agents
		OEL 8h	400	ppm		International limit values for chemical agents
			999	mg/m <sup>3</sup>		International limit values for chemical agents
		OEL Short term	500	ppm		International limit values for chemical agents
			1250	mg/m <sup>3</sup>		International limit values for chemical agents
Ethanol	GBR	OEL 8h	1000	ppm		International limit values for chemical agents
			1920	mg/m <sup>3</sup>		International limit values for chemical agents
			1000	ppm		International limit values for chemical agents
			1920	mg/m <sup>3</sup>		International limit values for chemical agents

**8.2. Exposure controls**

According to the requirements of Directive 98/24 /EC, the employer is required to conduct a risk assessment and implement appropriate risks management measures.

\* For any situation where the absence of risk is not proven, he must consider the substitution or reduction of risk by improving in priority processes used and collective protection measures. The effectiveness of the solutions implemented will be checked by measurement in comparison to the statutory limit values for substances defined in Section 8.1.

\* If the risk remains after these corrective actions, he must always check by routinely measuring compliance with regulatory OEL if they exist in section 8.1 and apply all the individual protective measures given in section 8.2.

\* When formalized risk assessment indicates a low risk to workers' health, control of compliance with regulatory OEL may not be considered and all individual protection measures is not always mandatory.

**8.2.1. Appropriate engineering controls :**

Ensure adequate ventilation.

Apply the necessary technical measures to comply with the professional exposure limit values.

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#### 8.2.2. Individual protection measures, such as personal protective equipment :

##### **Eye/face protection :**

No special protection measure is required.

Avoid contact with eyes.

Wear protective goggles compliant with standard EN 166 if there is a risk of exposure.

##### **Hand protection :**

Avoid contact with skin.

Wear disposable gloves.

In the event of frequent or prolonged contact (which may lead to dermatosis), wear protective gloves to EN 374 standard resistant to chemical products.

##### **Skin protection :**

Wear protective work clothes

##### **Respiratory protection :**

If the conditions of use may result in high exposure: wear a respiratory protective device (respirator with type A filters)

##### **Thermal hazards :**

Not applicable

##### **Health measures :**

Safety shower and eye wash fountain near to workplace.

After using, wash systematically all personal protective equipment.

Handle in accordance with good industrial hygiene practices and the safety instructions.

#### 8.2.3. Environmental exposure controls :

Do not discharge the product directly to sewer or to environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties



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Appearance	Clear liquid
Colour	Colourless
Odour	Alcohol
Odour threshold	Not available
Pure pH	6±0.5
pH value at 10g/l	Not available
Freezing point :	-20 °C
Boiling point	79.5 °C
Flash point	19 °C
Evaporation rate:	Not available
Flammability	Highly flammable liquid and vapour according to the criteria of Regulation 1272/2008/EC.
Vapour pressure	Not available
Vapour density	Not available
Mass density	0.86±0.01 g/cm <sup>3</sup>
Relative density	0.86±0.01
Solubility in water	Soluble in water in all proportions
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
Viscosity (OECD : 114)	2.41 mPa.s (Dynamic viscosity determined at 20°C.)
Explosive properties	Not applicable
Oxidising properties	Not applicable

#### 9.2. Other information

No additional information.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

None under normal conditions of use.

#### 10.2. Chemical stability

Stable in the recommended storage and handling conditions.

#### 10.3. Possibility of hazardous reactions

Exothermic reactions with strong oxidizing agents.

#### 10.4. Conditions to avoid

Light, heat.

#### 10.5. Incompatible materials

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Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

None to our knowledge in standard conditions of use.

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### **Substance-related data:**

Skin corrosion/irritation

Isopropyl alcohol + Ethanol : Skin irritation . non irritating - MSDS supplier

Sensitisation

Isopropyl alcohol + Ethanol : Sensitisation . Not sensitising - MSDS supplier

CHRONIC TOXICITY

Isopropyl alcohol + Ethanol : NOAEL - oral Liver 1,730 mg/kg/d. - MSDS supplier

##### **Mix-related data: :**

Acute toxicity

. Not determined

Skin corrosion/irritation

. The mix is not considered to be corrosive or irritating for the skin under the criteria of Regulation 1272/2008/EC.

Serious damage to eyes/eye irritation

Eye irritation . Causes serious eye irritation according to the criteria of the 1272/2008/EC.

Respiratory / skin sensitisation

Skin sensitisation . The mixture is not considered as a skin sensitiser according to 1272/2008/EC Regulation.

Respiratory sensitisation . The mixture is not considered as a respiratory sensitiser according to 1272/2008/EC Regulation.

Mutagenicity

. The classification criteria are not met given the available data.

Carcinogenicity

. The classification criteria are not met given the available data.

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#### Reproductive toxicity

. The classification criteria are not met given the available data.

#### Specific target organ toxicity - single exposure

. The classification criteria are not met given the available data.

#### Specific target organ toxicity - repeated exposure

. The classification criteria are not met given the available data.

#### Aspiration hazard

. The classification criteria are not met given the available data.

### **Most important symptoms and effects, both acute and delayed :**

**Skin contact :** DEPTIL HDS is not regarded as a mix which is irritating to the skin.

**Eye contact :** Causes serious eye irritation.

**Ingestion :** Ingestion can cause nausea, vomiting, abdominal pains and diarrhoea.

**Inhalation :** Cough. Shortness of breath. Headaches.

## **SECTION 12: Ecological information**

### **12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil**

#### **Substance-related data:**

##### Acute toxicity

Isopropyl alcohol + Ethanol : LC 50 fishes 11,200 mg/L. - MSDS supplier

Isopropyl alcohol + Ethanol : LC 50 (Algae (fresh water)) 275 mg/L. - MSDS supplier

Isopropyl alcohol + Ethanol : LC 50 daphnia 857 mg/L. - MSDS supplier

#### **Mix-related data: :**

##### Acute toxicity

fishes . Not determined

daphnia . Not determined

algae . Not determined

##### CHRONIC TOXICITY

. No data available.

##### Degradability

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. No data available.

Bioaccumulation

. No data available.

Mobility

. No data available.

#### Conclusion :

The mixture is not considered to be dangerous for the environment according to 1272/2008/EC Regulation.

#### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

#### 12.6. Other adverse effects

No additional information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Treatment of the mixture :**

Do not discharge the product directly to sewer or to environment.

Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

##### **Packaging treatment :**

Rinse thoroughly the packaging with water and treat the effluent like wastes.

Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

### SECTION 14: Transport information

#### **ROAD TRANSPORT:**

*Rail/Route (RID/ADR)*

**UN no :** 1170

**UN proper shipping name :** ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
(Ethanol)

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**Transport hazard class(es) :** 3

**Packing group :** II

**Hazard code :** 33

**Label :** 3



**Tunnel code :** D/E

**Environmental hazard :** No

**Special precautions for user :** No information.

**Limited Quantity (QL):** 1L

#### **MARITIME TRANSPORT :**

*IMDG*

**UN no :** 1170

**UN proper shipping name :** ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (Ethanol)

**Transport hazard class(es) :** 3



**Packing group :** II

**Marine pollutant :** No

**Special precautions for user :** No information.

**EmS number :** F-E,S-D

**Limited Quantity (QL):** 1L

**Transport in bulk according to Annex II of MARPOL and the IBC Code :**

Not concerned

## SECTION 15: Regulatory information

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

**Regulations relating to the hazards from major accidents :**

SEVESO 3 Directive (2012/18/EC) : P5c

**Regulations relating to the classification, packing and labelling of substances and mixes :**

Regulation 1272/2008/EC amended.

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#### **Waste regulations :**

2008/98/EC Directive amended by 2015/1127/EC Directive - Regulation 1357/2014/EC  
Decision 2014/955/EC which establishes the list of hazardous waste.

#### **Protection of workers :**

Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Regulation 850/2004/EC on persistent organic pollutants and modifying Directive 79/117/EC :** Not applicable

**Regulation 1005/2009/EC amended on substances that deplete the ozone layer :** Not applicable

#### **Regulation (EC) 648/2004 :**

Not concerned

Comply with national and local legislation.

#### **15.2. Chemical safety assessment**

No

### **SECTION 16: Other information**

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.

In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfill the duties involved in the use of the product.

This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

#### **Section(s) modified compared with the previous version :**

SECTION 8: Exposure controls/personal protection

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#### **List of H phrases referred to in sections 2 and 3 :**

H225 : Highly flammable liquid and vapour.

H319 : Causes serious eye irritation.

H336 : May cause drowsiness or dizziness.

#### **Sources of key data used to compile the data sheet :**

MSDS supplier

International limit values for chemical agents

#### **Historical :**

Version 6.1.0

Cancels and replaces previous version 6.0.