

## SECTION 1: Identification

### 1.1. Identification

Product name : Hydronet-D

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Additive for diluted hydrochloric acid pickling bathes.

### 1.3. Details of the supplier of the safety data sheet

SOPRIN S.r.l.  
Via dell'Industria 106  
31052 Maserada Sul Piave (TV), - Italy  
T (+39) 0422 521025 - F (+39) 0422 521060  
[soprin@soprin.it](mailto:soprin@soprin.it) (Alessandro Padovan)

### 1.4. Emergency telephone number

Emergency number : Chemtrec 800 424 9300

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### Classification (GHS-US)

Skin Irrit. 2 H315  
Eye Dam. 1 H318  
Aquatic Chronic 3 H412

Full text of classification categories and H statements : see section 16

### 2.2. Label elements

#### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

P264 - Wash thoroughly after handling  
P273 - Avoid release to the environment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P302+P352 - If on skin: Wash with plenty of water/...  
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/doctor  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

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## Safety Data Sheet

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Quaternary ammonium compounds, (hydrogenated tallow alkyl)bis(hydroxyethyl)methyl, ethoxylated, chlorides	(CAS No) 68187-69-9	5 - 6	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Chronic 3, H412
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy-	(CAS No) 9043-30-5	5 - 6	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Ethoxylated coconut oil alkyl amine	(CAS No) 61791-14-8	4 - 4.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Full text of classification categories and H statements : see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.
- First-aid measures after skin contact : Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
- First-aid measures after eye contact : Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
- First-aid measures after ingestion : Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorized by a doctor.

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

- Symptoms/injuries after inhalation : None anticipated under normal use.
- Symptoms/injuries after skin contact : Contact with skin may cause: irritation, erythema, edema, dryness and chapped skin.
- Symptoms/injuries after eye contact : Causes serious eye damage.
- Symptoms/injuries after ingestion : Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide, dry chemical powder, foam, water spray.
- Unsuitable extinguishing media : None.

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

- Fire hazard : None known.
- Explosion hazard : None known.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
- Protection during firefighting : Firefighters should wear full protective gear.

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Block the leakage if there is no hazard. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

For containment : Stop the flow of material, if this is without risk.  
Methods for cleaning up : Confine spill and soak up with absorbent. Place in an approved container and dispose in accordance with local, state and federal regulations.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Before handling the product, consult all the other sections of this safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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

Storage conditions : Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials,

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Ethoxylated coconut oil alkyl amine (61791-14-8)

Not applicable

##### Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (9043-30-5)

Not applicable

##### Quaternary ammonium compounds, (hydrogenated tallow alkyl)bis(hydroxyethyl)methyl, ethoxylated, chlorides (68187-69-9)

Not applicable

#### 8.2. Exposure controls

Appropriate engineering controls : To maintain exposure below recommended values, use this product with adequate exhaust ventilation where dust, mist or spray from this product may be generated.  
Hand protection : Use impervious gloves such as neoprene, nitrile, or rubber for hand protection.  
Eye protection : Safety goggles.  
Skin and body protection : Wear suitable working clothes.  
Respiratory protection : If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Color	: Brown
Odor	: Characteristic
Odor threshold	: No data available
pH	: 8.2
Melting point	: 0°C
Freezing point	: 0°C
Boiling point	: No data available
Flash point	: > 100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 1010 g/l
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

Will not occur.

#### 10.4. Conditions to avoid

None.

#### 10.5. Incompatible materials

Not determined.

#### 10.6. Hazardous decomposition products

Under fire conditions, toxic fumes may be evolved.

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## Safety Data Sheet

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Ethoxylated coconut oil alkyl amine (61791-14-8)</b>	
LD50 oral rat	750 mg/kg
ATE US (oral)	500.000 mg/kg body weight

<b>Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (9043-30-5)</b>	
LD50 oral rat	1000 mg/kg
ATE US (oral)	1000.000 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye damage.  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
  
Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified  
  
Specific target organ toxicity (repeated exposure) : Not classified  
  
Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

POLYOXYETHYLENE (15) HYDROGENATED TALLOWMONIUM CHLORIDE (Data available in the supplier safety data sheet)  
EC50 - Fish 10-100 mg/l - h: 96

AMINES, COCO ALKYL, ETHOXYLATED  
LC50 - for Fish. 1,73 mg/l/96h (Ecosar; OECD Existing Chemicals Screening Information Data Sets (SIDS))

#### 12.2. Persistence and degradability

POLYOXYETHYLENE (15) HYDROGENATED TALLOWMONIUM CHLORIDE (Data available in the supplier safety data sheet)  
biodegradability > 90 %  
ISOTRIDECANOL, ETHOXYLATED: Rapidly biodegradable, 75% in 28 d. (Data available in the supplier safety data sheet)

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

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## Safety Data Sheet

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Ethoxylated coconut oil alkyl amine (61791-14-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (9043-30-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Quaternary ammonium compounds, (hydrogenated tallow alkyl)bis(hydroxyethyl)methyl, ethoxylated, chlorides (68187-69-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. US State regulations

No additional information available

### SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*