

## HYPRACID ONE

Code: 0 13W 0

*Material Safety Data Sheet compliant with Regulation (E*

Version 5.0.0

Revision: 09/03/15

Print Date : 09/10/15

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name **HYPRACID ONE**

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

Use of the product

**LIQUID ACID**  
**Cleaning, descaling, disinfection of milking equipment in farms**

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

Company identification

**Manufacturer: HYPRED S.A.**  
**57, Boulevard Jules VERGER B.P. 10180**  
**35803 DINARD CEDEX - FRANCE**  
**Tél : 33 2 99 16 50 00**  
**Fax : 33 2 99 16 50 20**  
**e-mail : hypred@hypred.fr**

For information regarding this safety data sheet, please contact :  
hypred.regulatory@roullier.com

#### 1.4. Emergency telephone number

Emergency phone number

**Emergency direct number ( 24 hours a day, 7 days a week ) : (+)1-760-476-3961**  
**Access code : 333021**

**Call your medical practitioner LONDON (Information available at the National Poison Unit -**

### SECTION 2: Hazards identification

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

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

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

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Skin corrosion - Category 1B

H314: Causes severe skin burns and eye damage.

Specific target organ toxicant - single exposure - Category 3

H335: May cause respiratory irritation.

Substance corrosive to metals - Category 1

H290: May be corrosive to metals.

## Classification according to Directive 1999/45/EEC:

The mixture meets the classification criteria provided for under Directive 1999/45/EEC.

C : CORROSIVE

R22 : Harmful if swallowed.

R34 : Causes burns.

## 2.2. Label elements

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

Hazard pictograms(s) :



Signal word :

Danger

Hazard statement(s) :

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

Precautionary statement(s) :

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

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.

P310: Immediately call a POISON CENTER or doctor/physician.

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

## 2.3. Other hazards

No additional information available.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable as this involves a mixture.

### 3.2. Mixtures

Chemical nature of the mixture : LIQUID ACID

Substance(s)	CAS number (s)	EINECS number(s)	No registration REACH	Classification according to 67/548/EEC or 1999/45/EC	Classification according to Regulation 1272/2008/EC	Type
20% <= Methanesulphonic acid < 25%	75-75-2	200-898-6	01-2119491166-34	C , R21/22 R34	Met. Corr. 1 H290 Acute Tox. 4 (oral) H302 Acute Tox. 4 (dermal) H312 Skin Corr. 1B H314 STOT SE 3 H335	(1)
5% <= Alcoholethoxylate < 15%	31726-34-8			Xn , R22 R36/38	Eye Irrit. 2 H319 Skin Irrit. 2 H315 Acute Tox. 4 (oral) H302	(1)
1% <= N,N-Dimethyl-1-Decanamin, N-Oxid < 5%	2605-79-0	220-020-5		Xn , R22 R41 R50	Acute Tox. 4 (oral) H302 Eye Dam. 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 2 H411 M Factor (Acute) 1	(1)
1% <= Octanoic acid < 5%	124-07-2	204-677-5	Biocidal active substance, regarded as already registered	C , R34	Skin Corr. 1B H314	(1)

#### 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
- (11) : Substance considered as endocrine disrupter

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General indications:

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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 immediately with plenty of water for 15 minutes at least.

Immediately call a POISON CENTER or doctor/physician.

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

Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.

Remove contact lenses if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

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

Rinse mouth.

Do NOT induce vomiting.

Send to hospital.

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

**Skin contact :** Corrosive : Causes severe burns.

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

**Ingestion :** Causes severe burns in mouth and digestive tract.

**Inhalation :** May cause respiratory irritation.

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

**Treatments :** Symptomatic treatment

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media :**

Spray water, foam or dry ice.

Agents compatible with other products involved into fire.

#### **Unsuitable extinguishing media :**

High pressure water jet

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

HYPRACID ONE is non-flammable.

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Formation of toxic products through combustion: carbon oxides, sulphur oxides.  
In presence of metal, release of hydrogen that is flammable and/or explosive if it catches fire.

### 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

#### 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

Avoid contact with skin, eyes and clothing.  
Do not eat, drink or smoke in work area. Avoid projections during use.  
Do not mix with a chlorinated alkaline product.  
Do not mix with an alkali.

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

#### 7.2.1. Storage :

Keep only in the original container.

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Keep container closed.  
 Keep in a cool place.  
 Keep away from products sensitive to acids.

### 7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

### 7.3. Specific end use(s)

HYPRACID ONE is for use as a biocide.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values :

Substance	Country	Type	Value	Unit	Comments	source
Contains no substances with occupational exposure limit values.						

### 8.2. Exposure controls

Directive 98/24/EEC requires the employer to introduce risk management measures. If restricted or indicative regulatory limit value

#### 8.2.1. Appropriate engineering controls :

Ensure adequate ventilation.

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

##### Eye/face protection :

Use safety glasses or facial screen in conformity with the EN 166 standard.



##### Hand protection :

Use chemical resistant gloves approved to EN 374.  
 Examples of preferred materials for insulating gloves:  
 Butyl rubber.  
 Nitril.



##### Skin protection :

Wear boots and a protective cloth with chemical resistance.

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### Respiratory protection :

None under normal conditions of use.

### 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

Appearance	Clear to slight opalescent liquid
Colour	Colourless to slightly yellowish
Odour	Characteristic of octanoic acid
Odour threshold	Not available
Pure pH	< 1
pH value at 10g/l	1.7±0.2
Freezing point :	<= -15 °C
Boiling point	Not available
Flash point	Not applicable
Evaporation rate:	Not available
Flammability	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Mass density (20°C)	1.09±0.01 g/cm <sup>3</sup>
Relative density	1.09±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	Not available
Explosive properties	Not applicable
Oxidising properties	Not applicable

### 9.2. Other information

No additional information.

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### 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 alkalis.

#### 10.4. Conditions to avoid

None to our knowledge.

#### 10.5. Incompatible materials

Metals.  
Alkalines.  
Chlorinated alkalis.

#### 10.6. Hazardous decomposition products

Formation of toxic products through combustion: carbon oxides, sulphur oxides.  
In presence of metal, release of hydrogen that is flammable and/or explosive if it catches fire.

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

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

##### Acute toxicity

Alcholethoxylate : LD 50 - oral rat 500 - 2,000 mg/kg. - MSDS supplier  
Methanesulphonic acid ( 70% ) : LD 50 - oral rat (OCDE 401): 1,158 mg/kg. - MSDS supplier  
N,N-Dimethyl-1-Decanamin, N-Oxid ( 30% ) : LD 50 - oral rat 1,667 mg/kg. - MSDS supplier  
Alcholethoxylate : LD 50 - dermal rat > 2,000 mg/kg. - MSDS supplier  
Octanoic acid : LD 50 - dermal rabbit (OCDE 434): > 2,000 mg/kg. - MSDS supplier  
Octanoic acid : LD 50 - oral rat (OCDE 401): > 2,000 mg/kg. - MSDS supplier

##### Skin corrosion/irritation

Methanesulphonic acid ( 70% ) : Skin irritation . Corrosive. - MSDS supplier  
N,N-Dimethyl-1-Decanamin, N-Oxid ( 30% ) : Skin irritation . Irritating - MSDS supplier  
Alcholethoxylate : Skin irritation rabbit . Irritating - MSDS supplier  
Octanoic acid : Skin irritation (OCDE 404): . Causes burns. - MSDS supplier

##### Serious eye damage/eye irritation

Octanoic acid : Eye contact : . Risk of serious damage of eyes - MSDS supplier  
Methanesulphonic acid ( 70% ) : Eye irritation rabbit . Risk of serious damage of eyes - MSDS supplier  
N,N-Dimethyl-1-Decanamin, N-Oxid ( 30% ) : Eye irritation . Risk of serious damage of eyes - MSDS supplier  
Alcholethoxylate : Eye irritation rabbit . Irritating - MSDS supplier  
Octanoic acid : Eye irritation . Risk of serious damage of eyes - MSDS supplier



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### Sensitisation

Methanesulphonic acid ( 70% ) : Cutaneous contact (OCDE 406): . Not sensitising - MSDS supplier

### Mutagenicity

Octanoic acid : (OCDE 476): . Not mutagenic - MSDS supplier

Methanesulphonic acid : Ames test . Not mutagenic - MSDS supplier

Methanesulphonic acid ( 70% ) : Micronucleus test mouse . Not mutagenic - MSDS supplier

### Reproductive toxicity

Methanesulphonic acid ( 70% ) : Teratogenicity rat . Not teratogenic - MSDS supplier

### Specific target organ toxicity - single exposure

Methanesulphonic acid ( 70% ) : Inhalation : . Irritating to respiratory system. - MSDS supplier

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

#### Acute toxicity

. Not determined

#### Skin corrosion/irritation

Skin corrosivity . The mixture should be considered as corrosive because of its extreme pH.

#### Serious eye damage/eye irritation

Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC.

#### Respiratory or skin sensitisation

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

Respiratory sensitization . The mixture is not considered as a respiratory sensitizer 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.

#### Reproductive toxicity

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

#### Specific target organ toxicity - single exposure

Respiratory tracts irritation . May cause respiratory irritation.

#### 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 :** Corrosive : Causes severe burns.

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

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**Ingestion** : Causes severe burns in mouth and digestive tract.

**Inhalation** : May cause respiratory irritation.

## SECTION 12: Ecological information

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

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

##### Acute toxicity

Alcholethoxylate : LC 50 - 96h fishes (Brachydanio rerio) > 100 mg/L. - MSDS supplier

Alcholethoxylate : EC 50 - 48h daphnia (Daphnia magna) > 100 mg/L. - MSDS supplier

Alcholethoxylate : EC 50 - 72h algae (Scenedesmus subspicatus) > 100 mg/L. - MSDS supplier

Alcholethoxylate : EC 50 (Microorganisms / activated sludge) > 1,000 mg/L. - MSDS supplier

Octanoic acid : LC 50 - 96h fishes > 100 mg/L. - MSDS supplier

##### Degradability

Methanesulphonic acid ( 70% ) : DOC reduction - 28days (OCDE 301 A): 100 %. Easily biodegradable. - MSDS supplier

N,N-Dimethyl-1-Decanamin, N-Oxid ( 30% ) : Biodegradability - 28days (OCDE 301 E): 97 %. Easily biodegradable. - MSDS supplier

Alcholethoxylate : Formation of CO<sub>2</sub> compared to the theoretical value - 28days (OCDE 301B): > 60 %. Easily biodegradable. - MSDS supplier

Octanoic acid : Biodegradability - 30days (OCDE 301D): > 72 %. Easily biodegradable. - MSDS supplier

##### Bioaccumulation

Octanoic acid : Log Pow > 1 . - MSDS supplier

Methanesulphonic acid : Log Pow - 2.38 . Not bioaccumulative - MSDS supplier

Alcholethoxylate : . Not bioaccumulative - MSDS supplier

##### BEHAVIOUR IN ENVIRONMENT

Alcholethoxylate : COD 2,140 mg/g. - MSDS supplier

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

##### Acute toxicity

fishes . Not determined

daphnia . Not determined

algae . Not determined

##### CHRONIC TOXICITY

. No data available.

##### Degradability

. The surface agents contained in this mix are in line with the requirements of the Detergent Regulation 648/2004/EC.

##### 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.

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### 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 relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2

#### **Packaging treatment :**

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

Comply with Directive 2008/98/EC of 19/11/2008 relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2

## SECTION 14: Transport information

### **ROAD TRANSPORT:**

*Rail/Route (RID/ADR)*

**UN no :** 3265

**UN proper shipping name :** ACID, CORROSIVE, ORGANIC LIQUID, N.O.S. (Methanesulphonic acid+Octanoic acid)

**Class :** 8

**Packing group :** II

**Hazard code :** 80

**Label :** 8



**Tunnel code :** E

**Environmental hazard :** No

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

### **MARITIME TRANSPORT :**

*IMDG*

**UN no :** 3265

**UN proper shipping name :** ACID, CORROSIVE, ORGANIC LIQUID, N.O.S. (Methanesulphonic acid+Octanoic acid)

**Class :** 8



**Packing group :** II

**Marine pollutant :** No

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

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**EmS number** : F-A,S-B

Comply with the provisions of the IMDG on the physical separation of materials.

**Transport in bulk according to Annex II of MARPOL 73/78 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 :**

Directive 96/82/EC amended by Directive SEVESO 2 (2003/15/EC)

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

Regulation 1272/2008/EC amended, Directive 1999/45/EC amended.

**Waste regulations :**

Directive 2008/98/EC of 19/11/2008 relating to waste - 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

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

**Regulation 2037/2000/EC on substances that deplete the ozone layer :** Not concerned

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

In conformity with the regulation in force on detergents: Regulation (EC) N° 648/2004.

Ingredient datasheet for the medical staff is available upon written request.

Contains :

5-15% Non-ionic surfactants

Disinfectants

#### 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.

In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility.

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.

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

Revision of the safety data sheet according to 453/2010/EC Regulation.

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

- R21/22 : Harmful in contact with skin and if swallowed.
- R22 : Harmful if swallowed.
- R34 : Causes burns.
- R36/38 : Irritating to eyes and skin.
- R41 : Risk of serious damage to eyes.
- R50 : Very toxic to aquatic life.

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

- H290 : May be corrosive to metals.
- H302 : Harmful if swallowed.
- H312 : Harmful in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H315 : Causes skin irritation.
- H318 : Causes serious eye damage.
- H319 : Causes serious eye irritation.
- H335 : May cause respiratory irritation.
- H400 : Very toxic to aquatic life.
- H411 : Toxic to aquatic life with long lasting effects.

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

MSDS supplier

**Historical :**

Version 5.0.0

Cancels and replaces previous version .