



**PREFOAM +**

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

---

## 2.1. Classification of the substance or mixture

The mixture doesn't meet the classification criteria provided for under Regulation (EC) No 1272/2008.

## 2.2. Label elements

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

**Hazard pictograms(s) :**

Not concerned

**Signal word :**

Not concerned

**Hazard statement(s) :**

Not concerned

**Precautionary statement(s) :**

P102: Keep out of reach of children.

## 2.3. Other hazards

No particular known hazard. No labelling requirement but general use precautions should be taken in handling chemicals.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

**PREFOAM +**

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

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 Regulation 1272/2008/EC	Type
5% <= Propane-1,2-diol < 10%	57-55-6	200-338-0	01-2119456809-23	Not classified	(2)
1% <= L-(+)-lactic acid < 5%	79-33-4	201-196-2	Biocidal active substance, regarded as already registered	Eye Dam. 1 H318 Skin Irrit. 2 H315	(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 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 the event of inhalation :**

Bring to fresh air.

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

Wash with water.

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

Wash with water.

**In the event of ingestion :**

Rinse mouth.

Do NOT induce vomiting.

## PREFOAM +

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

---

Get medical advice.

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

**Skin contact** : non irritating

**Eye contact** : non irritating

**Ingestion** : May cause digestive troubles.

**Inhalation** : Not considered as hazardous through inhalation under normal conditions of use.

#### 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 :**

All the extinction agents are usable.

Agents compatible with other products involved into fire.

**Unsuitable extinguishing media :**

None from our knowledge.

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

PREFOAM + is non-flammable.

#### 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.

## PREFOAM +

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

---

#### 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

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

#### 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

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

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

##### 7.2.1. Storage :

Keep only in the original container.  
Keep protected from frost.  
Keep container closed.

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

High density polyethylene recommended.

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

PREFOAM + is for use as a biocide.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Exposure limit values :

**PREFOAM +**

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

Substance	Country	Type	Value	Unit	Comments	source
Propane-1,2-diol	GBR	OEL 8h	150	ppm		International limit values for chemical agents
			474	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.

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

#### Eye/face protection :

No special protection measure is required.

#### Hand protection :

No special protection measure is required.

#### Skin protection :

No special protection measure is required.

## PREFOAM +

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

#### **Respiratory protection :**

No special protection measure is required.

#### **Thermal hazards :**

Not applicable

#### **Health measures :**

None.

#### **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 liquid
Colour	Colourless
Odour	Agreeable
Odour threshold	Not available
Pure pH	2.9±0.3
pH value at 10g/l	Not available
Freezing point :	-1 °C
Boiling point	> 100 °C
Flash point	Not applicable
Evaporation rate:	Not available
Flammability	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Mass density	1.011±0.01 g/cm <sup>3</sup>
Relative density	1.011±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 (20°C, spindle S00, 60 rpm)	1.9±1 cPo
Explosive properties	Not applicable
Oxidising properties	Not applicable

### 9.2. Other information

## PREFOAM +

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

---

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

None to our knowledge.

### 10.4. Conditions to avoid

Storage below the freezing point.

### 10.5. Incompatible materials

None to our knowledge.

### 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:**

#### Acute toxicity

L-(+)-lactic acid : LC 50 - inhalation - 4h rat 7.94 mg/L. - MSDS supplier

L-(+)-lactic acid : LD 50 - oral rat 3,730 mg/kg. - MSDS supplier

L-(+)-lactic acid : LD 50 - dermal rabbit > 2,000 mg/kg. - MSDS supplier

L-(+)-lactic acid : LD 50 - oral guinea-pig 1,810 mg/kg. - MSDS supplier

#### Skin corrosion/irritation

L-(+)-lactic acid ( 80% ) : Skin irritation . Irritating - MSDS supplier

#### Serious eye damage/eye irritation

L-(+)-lactic acid ( 80% ) : Eye irritation . Risk of serious damage of eyes - MSDS supplier

#### Carcinogenicity

L-(+)-lactic acid ( 80% ) : . Not carcinogenic - MSDS supplier



## PREFOAM +

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

---

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

Acute toxicity

. Not determined

Skin corrosion/irritation

Skin irritation (OECD 439): . non irritating; The product has not been tested. The information comes from structure or analogue composition products.

Serious eye damage/eye irritation

Eye irritation (OECD 405): . non irritating; The product has not been tested. The information comes from structure or analogue composition products.

Respiratory or skin sensitisation

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

Skin sensitisation . The mixture is not considered as a skin 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.

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** : non irritating

**Eye contact** : non irritating

**Ingestion** : May cause digestive troubles.

**Inhalation** : Not considered as hazardous through inhalation under normal conditions of use.

## PREFOAM +

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

## SECTION 12: Ecological information

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

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

##### Acute toxicity

L-(+)-lactic acid : EC 50 - 48h daphnia 240 mg/L. - MSDS supplier

L-(+)-lactic acid : LC 50 - 48h fishes 320 mg/L. - MSDS supplier

L-(+)-lactic acid : EC 50 algae 3,500 mg/L. - MSDS supplier

##### Degradability

L-(+)-lactic acid : Biodegradability . Easily biodegradable. - MSDS supplier

##### Bioaccumulation

L-(+)-lactic acid : Log Pow - 0.72 . Not bioaccumulative - MSDS supplier

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

##### Acute toxicity

fishes . Not determined

daphnia . Not determined

algae . Not determined

##### CHRONIC TOXICITY

. No data available.

##### Degradability

. 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

## PREFOAM +

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

---

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 :**

**UN proper shipping name :** Not concerned

**Class :**

**Packing group :**

**Hazard code :**

**Label :**

**Tunnel code :**

**Environmental hazard :** No

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

#### **MARITIME TRANSPORT :**

*IMDG*

**UN no :**

**UN proper shipping name :** Not concerned

**Class :**

**Packing group :**

**Marine pollutant :** No

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

**EmS number :**

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

**PREFOAM +**

Code: 0 72P 0

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

Version 6.0.0

Revision: 09/02/17

Print Date : 09/02/17

**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 :**

SEVESO 3 Directive (2012/18/EC) : Not concerned

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

Regulation 1272/2008/EC amended.

**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.



**PREFOAM +**

Code: 0 72P 0

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

**Version 6.0.0**

**Revision: 09/02/17**

**Print Date : 09/02/17**

---

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 :**

Revision of the safety data sheet according to 2015/830/EC Regulation.

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

H315 : Causes skin irritation.

H318 : Causes serious eye damage.

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

MSDS supplier

International limit values for chemical agents

**Historical :**

Version 6.0.0

Cancels and replaces previous version 5.0.2