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<b>Safety Data Sheet No. SS0347      Rev. 00 dated 07/06/11</b>	<b>PRODUCT:      LONG LIFE 300</b>

Presentation and layout in conformity with the requirements of the REACH regulation published in the OJEU (Official Journal of European Union) on 30.12.06 and further amendments

## **1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY**

### 1.1 Identification of the substance or preparation

Product name: LONG LIFE 300  
Registration number: Non-subject mixture.

### 1.2 Use of the substance: passivating

Cleaning and cleansing product with neutral pH and cleaning and action. Long Life 300 effectively removes working and welding residues, greases, oils which can be present in new heating systems. Long Life 300 prevents corrosion phenomena by pre-passivating all metal surfaces; can be used on all metals, including aluminium.

### 1.3 Identification of the company

Company name: GEL S.p.A.  
via Ferrari, 1 (Zona industriale Acquaviva)  
60022 Castelfidardo (AN) Italy  
Tel.: +39 071-7827 - Fax +39 071-7808175  
Person in charge of the SDS: GIORGIO PACIFICO  
e-mail: [gel@gel.it](mailto:gel@gel.it)

### 1.4 Emergency telephone number:

NIGUARDA HOSPITAL      Ca' Grande Piazza Ospedale Maggiore 3 Milano  
TEL.+39 02/66101029

## **2 HAZARDS IDENTIFICATION**

Classification Directive 45/1999/EC: Product not subject to classification and labelling.

Hazards for humans and environment: None in particular.

Main harmful effects for humans: May be irritating to eyes and skin.

Main harmful effects for environment: None in particular.

## **3 COMPOSITION AND INFORMATION ON INGREDIENTS**

Chemical Identity	EINECS - CAS	Content	Classification and risk phrases
C9-11 Ethoxylated alcohol	Not available	< 5%	Xi; R38, R41
Hydroxy ethylidene diphosphonic acid	EINECS: 220-552-8	< 5%	Xi; R41
Quaternary coco alkyl methyl amine ethoxylate methyl chloride	Not available	< 5%	Xn; N, R22, R38, R41, R50

## **4 FIRST AID MEASURES**

- 4.1 General directions: Substance can be absorbed in the organism by inhalation, swallowing and contact with skin. In case of swallowing or strong exposure for inhalation or contact with skin, seek medical attention.
- 4.2 Inhalation: In case of prolonged exposure, move the person to fresh air and seek medical attention.
- 4.3 Skin contact: Remove contaminated clothes, wash skin with plenty of water or with a shower. If skin irritation persists, seek medical attention.
- 4.4 Eye contact: Flush with plenty of water for some minutes (remove contact lenses, if possible do it smoothly), carry on flushing also during transport to a medical centre, always seek medical attention.
- 4.5 Ingestion: Do not eat, drink or smoke during work. In case of accidental swallowing, wash out mouth and drink plenty of water. Do not induce vomiting. Do not administer anything to unconscious people.

## **5 FIRE-FIGHTING MEASURES**

- 5.1 Suitable extinguishing media: Non-flammable product, use extinguishing media appropriate to the surrounding fire conditions.
- 5.2 Special hazards: Do not allow containers to overheat and product to evaporate.
- 5.3 Protective equipment: In case of high temperatures, wear breathing apparatus with independent air supply and safety goggles.

## **6 ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions: Avoid contact with skin and eyes.
- 6.2 Environmental precautions: Prevent from entering sewers, surface water and ground. Pick up the liquid spilled in sealable containers.
- 6.3 Clean-up procedures: Use sand, soil or universal binder to absorb, pick up in containers to be disposed of in accordance with regulations. Wash out residues with plenty of water.

## **7 HANDLING AND STORAGE**

- 7.1 Handling: Avoid contact with skin and eyes, do not breathe vapours.
- 7.2 Storage: Store in dry, well ventilated area. Keep container tightly closed.

## **8 EXPOSURE CONTROL AND PERSONAL PROTECTION**

- Exposure limit values: For the main hazardous components no occupational exposure limits are applicable.
- 8.1 Exposure controls: Not applicable.
- 8.1.1 Occupational exposure controls
- Respiratory protection: Mask with filter type A.
- Hand protection: Gloves in nitrile rubber or Neoprene.
- Eye protection: Safety goggles and splash shield.
- Skin protection: Protective clothing.
- 8.1.2 Environmental exposure protection
- V.O.C.: Unimportant.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Yellow
Odour:	Typical
Density at 25 °C:	1,04 g/cm <sup>3</sup> (± 0,03)
Solubility in water:	Complete
pH:	7,5 (± 0,5)
Fusion point/interval:	< - 1 °C
Boiling point:	Not available
Decomposition interval/point:	Not available
Flammability point:	Non-flammable product
Vapour tension (20 °C):	Not available

## 10 STABILITY AND REACTIVITY

Stability:	Product does not decompose if used in compliance with the regulations.
Conditions to avoid:	None in particular.
Hazardous reactions:	None in particular.

## 11 TOXICOLOGICAL INFORMATION

11.1 Acute oral toxicity (DL50)	Rat > 2 mg/Kg Rat > 300-2 mg/Kg	(C9-11 ethoxylated alcohol) (Quaternary coco alkyl methyl amine ethoxylate methyl chloride)
Acute dermal toxicity (DL50)	Irritating.	
11.2 Harmful effects for health		
Inhalation:	-	
Skin contact:	Irritating.	
Eye contact:	Serious eye damages.	
Ingestion:	-	

Other hazardous features are not to be excluded. Keep usual handling precautions of chemicals.

## 12 ECOLOGICAL INFORMATION

12.1 Mobility:	High.	
12.2 Ecotoxicity:		
Test LC 50 (mg/l) fishes:	2,4 Fishes 10-100 Fishes > 200 Fishes 1-10 Daphnia Magna 0,11-1 Daphnia Magna > 200 Daphnia Magna 4,5 Water plants > 200 Water plants 1-10 Algae 1-10 Algae	(C9-11 ethoxylated alcohol) (Quaternary coco alkyl methyl amine ethoxylate methyl chloride) (Alanine, N,N-bis(carboxymethyl)-trisodium salt) (C9-11 ethoxylated alcohol) (Quaternary coco alkyl methyl amine ethoxylate methyl chloride) (Alanine, N,N-bis(carboxymethyl)-trisodium salt) (C9-11 ethoxylated alcohol) (Alanine, N,N-bis(carboxymethyl)-trisodium salt) (C9-11 ethoxylated alcohol) (Quaternary coco alkyl methyl amine ethoxylate methyl chloride)



HYDROTECHNOLOGY FOR LIFE



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**PRODUCT:**

**LONG LIFE 300**

### 12.3 Degradability:

#### Observations:

> 60% BOD 28 aerob. days (C9-11 ethoxylated alcohol)  
> 60% BOD 28 aerob. days (Quaternary coco alkyl methyl amine ethoxylate methyl chloride)  
> 80% BOD 28 aerob. days (Alanine, N,N-bis(carboxymethyl)-trisodium salt)

### 12.4 Accumulation:

#### Bioaccumulation:

Not applicable.

### 12.5 Other possible effects to the environment: None known.

## **13 DISPOSAL CONSIDERATIONS**

#### Waste disposal methods:

Do not dispose of the product mixed with household waste. Do not allow to enter sewers. Turn to a company authorized for industrial waste disposal.

#### Uncleaned packaging:

Wash with water to be purified. Dispose of the packaging in compliance with the administrative regulations.

#### Recommended detergent:

Water.

## **14 TRANSPORT INFORMATION**

#### Road (ADR):

Not subject to limitations.

#### Rail (RID):

Not subject to limitations.

#### Air (ICAO-IATA):

Not subject to limitations.

#### Sea (IMDG):

Not subject to limitations.

## **15 REGULATORY INFORMATION**

#### Symbol:

NOT REQUIRED.

#### Risk phrases:

NOT REQUIRED.

#### Safety phrases:

NOT REQUIRED.

## **16 OTHER INFORMATION**

The information given in this Safety Data Sheet is correct according to our best knowledge of the product at the time of release. The information is supplied for the sole purpose of using, storing, transporting and disposing of the product in the most correct and safe way. The information given is not to be considered as a guarantee or a specification of the product qualities. It relates only to the product specified and is not valid for it when used in combination with other materials or in other processes not specifically indicated in the text of the Safety Data Sheet of the product.

#### Relevant R phrases used in section 3:

- R22 Harmful if swallowed.
- R34 Causes burns.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R50 Very toxic to aquatic organisms.