











Rev. 01 dated 20/07/12

GEL S.p.A.

Via Ferrari, 1 – 60022 Castelfidardo (AN)

Tel. +39 071 7827 Fax + 39 071 7808175

Internet http://www.gel.it e-mail: info@gel.it

PRODUCT: **LONG LIFE 200**

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

IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY

1.1 Identification of the substance or preparation

Product name: LONG LIFE 200 Registration number: Non-subject mixture.

1.2 Use of the substance: Non-acid multifunction product to eliminate problems due to the presence of

> inorganic deposits (lime scale) in boilers and heating systems. Long Life 200 solves problems of boiler noises and reduced heat exchange due to scale deposits. The product can be used on all metals including aluminium. Long Life 200 can be added to the system with no need to be removed after use.

1.3 Identification of the company

GEL S.p.A. Company name:

via Ferrari, 1 (Zona industriale Acquaviva)

60022 Castelfidardo (AN) Italy

+39 071-7827 - Fax +39 071-7808175 Tel.:

Person in charge of the SDS: **GIORGIO PACIFICO**

e-mail: gel@gel.it

1.4 Emergency telephone number:

NIGUARDA HOSPITAL Ca' Grande Piazza Ospedale Maggiore 3 Milano

TEL.+39 02/66101029

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.

COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	EINECS -	CAS	Content	Classification and risk phrases
Hydroxy ethylidene diphosphonic acid	220-552-8	86159-18-4	< 5%	Xi; R41













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FIRST AID MEASURES

4.1 General directions: Substance can be absorbed in the organism by inhalation of fumes and by

swallowing.

Inhalation risk is limited since product is not volatile; in case of prolonged 4.2 Inhalation:

exposure, move the person to fresh air.

Remove contaminated clothes, wash skin with plenty of water or with a 4.3 Skin contact:

shower.

4.4 Eye contact: Flush with plenty of water for some minutes (remove contact lenses, if

possible do it smoothly), seek medical attention.

4.5 Ingestion: Do not eat, drink or smoke during work. In case of accidental swallowing,

wash out mouth.

FIRE-FIGHTING MEASURES

Non-flammable product, use extinguishing media appropriate to the 5.1 Suitable extinguishing media:

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.

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.

HANDLING AND STORAGE 7

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.

EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Exposure limit values TLV-STEL (ACGIH) 2010 NOT APPLICABLE

TLV-TWA (ACGIH) 2010 NOT APPLICABLE

8.2 Exposure controls Not applicable.

8.2.1 Occupational exposure controls

Respiratory protection: Mask with filter type A.

Hand protection: Gloves in nitrile rubber or PVC. Eve protection: Safety goggles and splash shield.

Skin protection: Protective clothing.

8.2.2 Environmental exposure protection

V.O.C.: Unimportant.













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PHYSICAL AND CHEMICAL PROPERTIES 9

Physical state: Liquid Colour: Yellow Odour: Typical

1.07 g/cm3 (± 0,03) Density at 25 °C:

Solubility in water: Complete pH: $7 (\pm 0.5)$ 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

Product does not decompose if used in compliance with the regulations. Stability:

Conditions to avoid: None in particular.

Hazardous reactions: None in particular.

11 TOXICOLOGICAL INFORMATION

11.1 Acute oral toxicity (DL50) Not known. Acute dermal toxicity (DL50) Not known.

11.2 Harmful effects for health

Inhalation:

Skin contact: Possible irritations.

Eye contact: Possible irritations, burning.

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: Not known.

12.3 Degradability:

Observations: Not known.

12.4 Accumulation:

Not applicable. Bioaccumulation:

12.5 Other possible effects to the environment: None known.













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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):

Rail (RID):

Air (ICAO-IATA):

Sea (IMDG):

Not subject to limitations.

Not subject to limitations.

Not subject to limitations.

15 REGULATORY INFORMATION

Product is not hazardous.

Labelling

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:

- R41 Risk of serious damage to eyes.