



GEL S.p.A.

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Safety Data Sheet No. SS0322 Rev. 01 dated 08/03/11

PRODUCT: LONG LIFE 400

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

1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY

1.1 Identification of the substance or preparation

Product name: LONG LIFE 400

Registration number: Not available

1.2 Use of the substance deposits

Non-acid flushing product to remove sludge, corrosion residues and built in time in heating systems. Long Life 400 is capable of bringing in suspension the sludge present in the system, thus restoring the correct circulation in the radiating elements partly blocked. The product can be used on all metals of the system, 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

1.4 Emergency telephone number:

NIGUARDA HOSPITAL

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

2 HAZARDS IDENTIFICATION

Non-hazardous substance or preparation, in accordance with EC directives 67/548/EEC or 1999/45/EC.

3 COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	CAS No.	EINECS No.	Content	Symbol	Classification and risk phrases
Tetrasodium Ethylenediamine tetraacetate	64-02-8	200-573-9	< 2,5%	Xi	R36/38

4 FIRST AID MEASURES

4.1 General directions:

No first aid is generally necessary. In case of symptoms, seek medical attention.

4.2 Inhalation:

Move to fresh air. If disorders persist, seek medical attention. Administer oxygen in case of shortness of breath.

4.3 Skin contact:



Immediately remove contaminated clothes and shoes. Wash immediately with plenty of water.

4.4 Eye contact:

Flush eyes for at least 15 minutes. Seek medical attention if eye irritation increases or persists. Remove contact lenses.

4.5 Ingestion:

Do not induce vomiting without prior medical advice. Do not administer anything to unconscious people. If necessary seek medical attention.

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5 FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media: ABC powder, chemical powder, water fog, carbon dioxide (CO₂).
- 5.2 Non-suitable extinguishing agents: DO NOT USE halon.
- 5.3 Hazardous combustion products: Phosphorus oxides, carbon oxides, nitrogen oxides (NO_x), toxic fumes, carbon dioxide and carbon monoxide.
- 5.4 Thermal decomposition: No data available.
- 5.5 Fire fighting precautions: Do not disperse the extinguishing media into sewers or waterways. Keep containers and surrounding environment cool with water sprays. Prevent extinguisher water from contaminating surface or ground waters. Fire contaminated water and fire residues shall be disposed of in compliance with the regulations in force.
- 5.6 Protection of fire-fighters: In case of fire, wear breathing apparatus with independent air supply. Use personal protection equipment.

6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: People not wearing protective equipment should be excluded from the area of the spill until the clean-up has been completed.
- 6.2 Environmental precautions: Avoid further spills or leaks; if possible, do it by following the safety norms.
- 6.3 Clean-up procedures: Considerable leaks should be picked up mechanically (pick up by pumping) to be sent to dump. Keep in suitable and closed containers for disposal.
- 6.4 Additional information: Comply with all national and local regulations in force.

7 HANDLING AND STORAGE

- 7.1 Handling: Do not breathe fumes and aerosols. See Section 8 for personal protection equipment. Do not exceed the occupational exposure limit (Sec. 8). Do not eat, drink, smoke during use. No need of special handling measures. Usual fire prevention measures.
- 7.2 Storage: Keep in original containers. Keep containers well closed in a dry, cool and well ventilated place. Thoroughly close open containers and place them vertically to avoid leaks. Stable if stored by following recommendations. Protect from frost.

8 EXPOSURE CONTROL AND PERSONAL PROTECTION

- 8.1 Exposure limit values: Not available.
- 8.2 Exposure controls: Make sure there is sufficient mechanical ventilation (general and/or through local air intakes) in order to keep exposure below the overexposure level (to prevent known, suspected or assumed adverse effects).
- Respiratory protection: No respiratory protection device is usually necessary.
- Hand protection: Wear nitrile rubber gloves.
- Eye protection: Wear goggles with side shields.
- Skin protection: Wear protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Brown
Odour:	No data available
Density at 25 °C:	1,04 g/cm ³ (± 0,03)
Solubility in water:	Complete
pH:	7 (± 0,5)
Fusion point/interval:	< - 1 °C
Decomposition interval/point:	No data available
Flammability point:	No data available

10 STABILITY AND REACTIVITY

Stability:	No hazards to be specifically mentioned.
Conditions to avoid:	Not known.
Hazardous reactions:	No hazardous polymerization takes place.
Decomposition products:	Phosphorus oxides, carbon oxides, nitrogen oxides (NO _x), toxic fumes.
Incompatible products:	Strong oxidizing agents, steel, strong mineral acids, reactive metals such as magnesium.



11 TOXICOLOGICAL INFORMATION

11.1 Acute oral toxicity (DL50 rat)	No data available
Acute dermal toxicity (DL50)	No data available
Acute inhaled toxicity (CL50)	No data available
11.2 Harmful effects for health	
Inhalation:	No harmful effects of the substance, if inhaled, are known.
Skin contact:	May irritate skin.
Eye contact:	May irritate eyes.
Ingestion:	Harmfulness if swallowed has not been proven.
Aggravated medical condition:	Exposure to this material may intensify existing disorders to skin and lungs.
Symptoms:	Signs and symptoms related to the exposure to this material by inhalation, ingestion and/or penetration of material in skin, can include: cough, gastrointestinal diseases, irritation (nose, throat, respiratory system), lesions of respiratory system (nose, throat and respiratory tract), difficult breathing, pulmonary oedema, lesions of lungs.

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

12 ECOLOGICAL INFORMATION

12.1 Toxicity in water:	No data available.
12.2 Biodegradability:	No data available.
12.3 Bioaccumulation:	Bioaccumulation potential cannot be ascertained.
12.4 Data on components:	
TETRASODIUM ETHYLENEDIAMINETETRAACETATE (64-02-08)	
96 h LC50 Perch (Lepomis macrochirus), static test: 472 - 500 mg/l	
24 h CE50 Daphnia magna (Big water flea): 570 - 640 mg/l	

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13 DISPOSAL CONSIDERATIONS

Waste disposal methods: Disposal in accordance with European Directives on waste or hazardous waste. Dispose of in accordance with the regulations in force.

Empty packaging: Empty the residues.

European Waste Catalogue: Disposal code shall be assigned upon agreement between the user and the waste disposal company.

14 TRANSPORT INFORMATION

Category: -

Road (ADR 2007): **NOT CLASSIFIED, NOT REGULATED PRODUCT.**

Rail (RID 2007): **NOT CLASSIFIED, NOT REGULATED PRODUCT.**

Air (ICAO-IATA 2008): **NOT CLASSIFIED, NOT REGULATED PRODUCT.**

Sea (IMDG 2008): **NOT CLASSIFIED, NOT REGULATED PRODUCT.**

15 REGULATORY INFORMATION

Symbol: -

Risk phrases: -

Safety phrases: S 2 Keep out of the reach of children;
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice;
S 61 Avoid release to the environment.

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.

The classification and risk phrases of the components mentioned in section 3, where applicable, are referred to the content of the component in the product.