



REFRIGERATORI PER FLUIDI
APPLICAZIONI FRIGORIFERE SPECIALI
FLUID COOLERS
SPECIAL COOLING APPLICATIONS
AZIENDA CERTIFICATA

EURO COLD Srl

Via Aldo Moro, 11/E • 41030 Bomporto (MO) Italy
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P.IVA 02669040368 • Iscr. Reg. Imp. MO-02669040368
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Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: E.131
Product name: EUROTERM 131

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

Intended use: Anti-corrosion and corrosion protection product for heating systems
Prodotto anticrostante e anticorrosivo per sistemi di riscaldamento.

Intended use	Industrial	Professional	Consumption
Sector	✓	✓	-

1.3. Emergency telephone number

For urgent inquiries refer to: Centro Antiveneni Ospedale Niguarda +39 0266101029

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as dangerous according to the provisions of EC Regulation 1272/2008 (CLP) (and subsequent amendments) The product therefore requires a safety data sheet with appropriate information, in accordance to EC Regulation 1907/2006 and subsequent amendments.
Additional information regarding the risks to health and / or the environment can be found in Sections. 11 and 12 of this document.

Hazard classification and indication:

Specific Toxicity for Target Organs –
Exposure Repeated, category 2 H373 It may cause damage to organs in case of prolonged or repeated exposure

2.2. Label elements.

Hazard labelling according to Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Hazard pictograms:



Signal words: Attention

Hazard statements:

H373
EUH208

It may cause damage to organs in case of prolonged or repeated exposure
Contains:
Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

It may produce an allergic reaction.

Precautionary statements:

P314 In case of disease, please contact a doctor



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Contains: ETHANEDIOL

2.3. Other Hazards

Based on available data, the product does not contain PBT or vPvB substances in excess of 0.1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures

Contains:

Full text of the hazard statements (H) is given in section 16 of the document.

Identification	x = Conc. %	Classification 1272/2008 (CLP)
ETHANEDIOL CAS 107-21-1 CE 203-473-3 INDEX 603-027-00-1 Nr. Reg. 01-2119456816-28-XXXX	15 ≤ x < 25	Acute Tox. 4 H302, STOT RE 2 H373
PHOSPHORIC ACID CAS 7664-38-2 CE 231-633-2 INDEX 015-011-00-6 Nr. Reg. 01-2119485924-24-xxxx	0 ≤ x < 0,05	Skin Corr. 1B H314, Note B
BRONOPOLO CAS 52-51-7 CE 200-143-0 INDEX 603-085-00-8 Nr. Reg. 01-2119980938-XXXX	0 ≤ x < 0,05	Acute Tox. 4 H302, Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Acute 1 H400 M=10
Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) CAS 55965-84-9	0 ≤ x < 0,0015	Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, Skin Corr. 1B H314, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
CE - INDEX 613-167-00-5		



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SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

There are no specific information on the symptoms and effects of the product.

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

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.



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6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Ensure an appropriate earthing system for plants and persons. Avoid contact with eyes and skin. Do not inhale any dust or vapour or mist. Do not eat, drink or smoke during use. Wash your hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Only store in the original container. Store in a ventilated place away from sources of ignition. Keep containers tightly closed. Keep the product in containers clearly labelled. Avoid overheating. Avoid violent shocks. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho -



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EU OEL EU Diaro da Republica I 26; 2012-02-06
 Direttiva (UE) 2017/164; Direttiva 2009/161/UE; Direttiva 2006/15/CE;
 TLV-ACGIH Direttiva 2004/37/CE; Direttiva 2000/39/CE; Direttiva 91/322/CEE.
 ACGIH 2016

ETHANEDIOL

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	26	10	52	20	SKIN
MAK	DEU	26	10	52	20	SKIN
VLA	ESP	52	20	104	40	SKIN
VLEP	FRA	52	20	104	40	SKIN
WEL	GBR	52	20	104	40	
TLV	GRC	125	50	125	50	
VLEP	ITA	52	20	104	40	SKIN
NDS	POL	15		20		
VLE	PRT	52	20	104	40	SKIN
OEL	EU	52	20	104	40	SKIN
TLV-ACGIH				100 (C)		

PHOSPHORIC ACID

Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	2		4		INHAL
MAK	DEU	2		4		INHAL
VLA	ESP	1		2		
VLEP	FRA	1	0,2	2	0,5	
WEL	GBR	1		2		
TLV	GRC	1		3		
VLEP	ITA	1		2		
NDS	POL	1		2		
VLE	PRT	1		2		
OEL	EU	1		2		
TLV-ACGIH		1		3		

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Exposure levels should be maintained as low as possible to avoid significant accumulation in the body. Handle personal protective equipment in such a way as to ensure maximum protection (eg reduced replacement times).

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.



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EYES PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	liquid
Colour	yellowish
Odour	characteristic
Odour threshold	Not available
pH	6,5 - 7,5
Melting point / freezing point	Not available
Initial boiling point.	100 °C
Boiling range.	Not available
Flash point.	Not applicable
Evaporation Rate	Not available
Flammability of solids and gases	Not available
Lower inflammability limit.	Not available
Upper inflammability limit.	Not available
Lower explosive limit	Not applicable
Upper explosive limit.	Not applicable
Vapour pressure.	Not available
Vapour density	Not available
Relative density.	1,100 g/cm ³
Solubility	miscible
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information.

Information not available.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

ETHANEDIOL

In contact with air, absorbs humidity. It decomposes at temperatures above 200 ° C / 392 ° F.

BRONOPOL

It decomposes in contact with: water, metals, strong bases



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PHOSPHORIC ACID

It decomposes at temperatures above 200 ° C / 392 ° F.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

ETHANEDIOL

Risk of explosion in contact with: perchloric acid. May react dangerously with: chlorosulphoric acid, sodium hydroxide, sulphuric acid, phosphorus pentasulphide, chromium oxide (III), chromium chloride, potassium perchlorate, potassium dichromate, sodium peroxide, aluminium. Develops explosive mixtures with: air.

PHOSPHORIC ACID

Explosion hazard in contact with: nitromethane. May react dangerously with: alkali, sodium borohydride.

10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

ETHANEDIOL

Avoid exposure to: sources of heat, free flames.

BRONOPOL

Avoid exposure to: light, UV rays, humidity.

10.5. Incompatible materials.

PHOSPHORIC ACID

Incompatible with: metals, strong alkali, aldehydes, organic solvents, peroxides.

10.6. Hazardous decomposition products.

ETHANEDIOL

It can develop: hydroxyacetaldehyde, glyoxal, acetaldehyde, methane, carbon monoxide, hydrogen.

BRONOPOL

It can develop: nitrogen oxides, carbon oxides, hydrobromic acid.

PHOSPHORIC ACID

It can develop: phosphorous oxides.

SECTION 11. Toxicological information.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product contains sensitizing substance/s and may cause allergic reactions.

11.1. Information on toxicological effects.

Metabolism, kinetics, mechanism of action and other information

Information not available.

Information on likely ways of exposure

ETHANEDIOL



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WORKERS: Inhalation; Contact with the skin.

CITIZEN: Inhalation; Contact with the skin

Immediate, delayed and chronic effects from short and long term exposures

ETHANEDIOL

By ingestion initially stimulates the central nervous system; Subsequently a depression phase occurs. You may have kidney damage, with anuria and uraemia. Symptoms of overexposure are: vomiting, drowsiness, difficulty breathing, convulsions. The lethal dose for humans is about 1.4 ml / kg.

Interactive effects

Information not available.

ACUTE TOXICITY

LC50 Inhalation: Not classified (no relevant component)

LD50 Oral:>2000 mg/kg

LD50 Dermal: Not classified (no relevant component)

Reaction mass: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

> 457 mg/kg rat

LD50 (Oral)

> 2000 mg/kg rat (Andrea Gallo spreadsheet Preservative nuosept)

LD50 (Dermal)

PHOSPHORIC ACID

1530 mg/kg Rat

LD50 (Oral)

2740 mg/kg Rabbit

LD50 (Dermal)

> 0,85 mg/l/1h Rat

LC50 (Inhalation)

ETHANEDIOL

> 2000 mg/kg Rat

LD50 (Oral)

9530 mg/kg Rabbit

LD50 (Dermal)

DERMAL CORROSION / DERMAL IRRITATION

It does not meet the classification criteria for this class of danger

HARDS EYE DAMAGE / EYES IRRITATION

It does not meet the classification criteria for this class of danger

RESPIRATORY OR DERMAL SENSITIVITY

It may cause an allergic reaction. Contains: Reaction mass: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this class of danger

CARCINOGENICITY

It does not meet the classification criteria for this class of danger

ETHANEDIOL

Available studies have not shown carcinogenic potential. In a 2-year carcinogenic study conducted by the US National Toxicology Program (NTP), where the ethanediol was administered in the diet, no "evidence of carcinogenic activity" was observed in male and female B6C3F1 mice (NTP, 1993).

TOXICITY FOR REPRODUCTION

It does not meet the classification criteria for this class of danger

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - SINGLE EXPOSURE

It does not meet the classification criteria for this class of danger

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - REPEATED EXPOSURE

It may cause damage to organs

DANGER IN CASE OF ASPIRATION

It does not meet the classification criteria for this class of danger

SECTION 12. Ecological information.



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Since no specific data is available on the preparation, use in accordance with good working practices, avoiding dispersing the product in the environment. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity.

Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

LC50 - Fishes > 0,19 mg/l/96h *Oncorhynchus mykiss*
EC50 - Shellfishes > 0,16 mg/l/48h *Daphnia magna*

BRNOPOL

LC50 - Fishes 20 mg/l/96h *Oncorhynchus mykiss*
EC50 - Shellfishes 1,6 mg/l/48h *Daphnia magna*

12.2. Persistence and degradability.

PHOSPHORIC ACID

Solubility in water > 850000 mg/l
Biodegradability: not available

BRNOPOL

Solubility in water 286000 mg/l
Quickly Biodegradable

ETHANEDIOL

Solubility in water 1000 - 10000 mg/l
Quickly Biodegradable

12.3. Bio accumulative potential.

Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Partition coefficient: 0,4 Log Kow CMIT
noctanol/water.

BRNOPOL

Partition coefficient: 0,22
noctanol/water.
BCF 3,16

ETHANEDIOL

Partition coefficient: -1,36
noctanol/water.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.



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On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not to be considered dangerous following the current instructions leading the transport of dangerous goods by road (A.D.R.) and by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN number

Not applicable.

14.2. UN proper shipping name.

Not applicable.

14.3. Transport hazard class(es).

Not applicable.

14.4. Packing group.

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

Information not relevant

SECTION 15. Regulatory information.



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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso category – EC Regulation 18/2012: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product
Section 3

Substances in Candidate List (Art. 59 REACH).

Based on the available data, the product does not contain SVHC substances in excess of 0.1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention::

None

Healthcare controls

Workers exposed to this hazardous chemical agent must be exposed to health surveillance, carried out in accordance with the provisions of art. 41 of Legislative Decree 81 of 9 April 2008, except that the risk to the safety and health of the worker has been considered irrelevant, as provided by art. 224 paragraph 2.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific Toxicity for Target Organs – Exposure Repeated,, category 2
Skin Corr. 1B	Dermal corrosion, category 1B
Eye Dam. 1	Serious eye injuries, category 1
Skin Irrit. 2	Dermal irritation, category 2
STOT SE 3	Specific Toxicity for Target Organs – Exposure Repeated,, category 2
Skin Sens. 1	Dermal sensitization, category 1
Aquatic Acute 1	Dangerous for the water environment, acute toxicity, category 1
Aquatic Chronic 1	Dangerous for the water environment, chronic toxicity, category 1
H301	Toxic if swallowed.
H311	Toxic in case of dermal contact
H331	Toxic if inhaled
H302	Harmful if swallowed..
H312	Harmful if in contact with skin.
H373	It may cause damage to organs in case of prolonged or repeated exposure.
H314	It causes serious skin burns and serious eye injuries.
H318	It causes serious eye injuries



REFRIGERATORI PER FLUIDI
APPLICAZIONI FRIGORIFERE SPECIALI
FLUID COOLERS
SPECIAL COOLING APPLICATIONS

AZIENDA CERTIFICATA

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H315	It causes dermal irritation
H335	It may cause irritation to the respiratory tract.
H317	It may cause a skin allergic reaction.
H400	Highly toxic for water organism .
H410	Highly toxic for water organism with long term effects

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labelling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY:

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 2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
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 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
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- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
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 - SDS template database of chemicals - Ministero della Salute e Istituto Superiore di Sanità

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Document changed compared to the previous version

Changes have been made to the following sections:

02 / 03 / 04 / 08 / 10 / 11 / 12 / 15 / 16.