

Compilation date: 01.01.2019

Version number 7

Revision: 26.06.2023

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

1.1. Product identifier

Trade name: GREEN JOINTING COMPOUND
Commercial code: 50307

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

Description/Usage

Mastic paste for sealing joints and threaded fittings of cold and hot water, gas, air, steam pipes at low and medium pressure.

1.3. Details of the supplier of the safety data sheet

TECNOGAS s.r.l. via Marco Polo, 33
35020 Albignasego (Padova) Italy
Tel. (+39) 049 8625910

Email: info@tecnogas.net - Website: www.tecnogas.net
Competent technician email: adamo@tecnogas.net

1.4. Emergency telephone number

"Bambino Gesù Children's Hospital" Poison Control Center - Rome - (+39) 06 68593726
Foggia University Hospital Center - Foggia - 800183459
"A. Cardarelli" Hospital Center - Naples - (+39) 081-5453333
"Umberto I" General Hospital Poison Control Center - Rome - (+39) 06-49978000
"A. Gemelli" General Hospital Poison Control Center - Rome - (+39) 06-3054343
"Careggi" Hospital Medical Toxicology Unit - Florence - (+39) 055-7947819
National Toxicology Information Center Poison Control - Pavia - (+39) 0382-24444
Niguarda Ca' Granda Hospital - Milan - (+39) 02-66101029
Pope John XXII Hospital - Bergamo - 800883300
Integrated University Hospital Verona - Verona - 800011858

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP).

The product, however, by containing hazardous substances in concentrations such as to be declared in section 3, requires a safety data sheet with adequate information, in accordance with Regulation (EU) 2020/878.

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Chemical-physical hazards: The product is not classified for this hazard class.

Health hazards: The product is not classified for this hazard class.

Environmental hazards: The product is not classified for this hazard class.

Hazard classification and indications: --

2.2. Label elements

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

Hazard pictograms: --

Warnings: --

Hazard indications:

EUH210 Safety data sheet available on request. Precautionary advice: --

2.3. Other hazards

Based on the available data, the product does not contain PBT or vPvB substances in percentages $\geq 0.1\%$.

The product does not contain substances with endocrine-disrupting properties in concentrations $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	Concentration %	1272/2008 (CLP) Classification	1272/2008 (CLP) Specific concentration limits
lubricating oils (petroleum), C24-50, solvent-extracted, dewaxed, hydrogenated			
CAS 101316-72-7	5 - 9.5*	Asp. Tox. 1 H304, Classification note according to Annex VI of the CLP Regulation: L**	Not applicable
CE 309-877-7			
INDEX 649-530-00-X			
Reg. No. 01-2119489969-06-XXXX			

*Note: Upper range value excluded.

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**Substance classified in accordance with Note L of Annex VI to EC Regulation 1272/2008. The harmonized classification as a carcinogen applies unless it can be demonstrated that the substance contains less than 3% dimethyl sulfoxide extract according to the IP 346 measurement ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene-free petroleum fractions — dimethyl sulfoxide extraction", Institute of Petroleum, London), in which case a classification is also made for that hazard class in accordance with Title II of this Regulation.

SECTION 4: First aid measures

4.1. Description of first aid measures

EYES:

Remove contact lenses, if present. Wash immediately and thoroughly with water for at least 15–30 minutes, keeping the eyelids well open.

Get medical advice/attention if the problem persists.

SKIN:

Remove contaminated clothing. Rinse thoroughly with water. Call a doctor/physician immediately. Wash contaminated clothing before re-use.

INHALATION:

Remove victim to fresh air. If breathing has stopped, administer artificial respiration. Call a doctor/physician immediately.

INGESTION:

Call a doctor/physician immediately. Do not induce vomiting. Do not administer anything not expressly authorized by the doctor/physician.

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

No specific information is known about the symptoms and effects caused by the product.

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

Treat symptomatically. Get medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and water spray.

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UNSUITABLE EXTINGUISHING MEDIA

None in particular.

5.2. Special hazards arising from the substance or the mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing the combustion products (especially CO_x).

5.3. Advice for firefighters

GENERAL INFORMATION

Cool the containers with jets of water to prevent product decomposition and the generation of substances that are potentially harmful to health. Always wear full protective firefighting gear. Collect fire extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinguishing and the remains of the fire according to the applicable regulations in force.

EQUIPMENT

Normal firefighting clothing and equipment, such as open circuit self-contained compressed air breathing apparatus (EN 137), firefighting protective clothing (EN 469), flame retardant gloves (EN 659) and firefighting boots (HO A29 or A30).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

FOR NON-EMERGENCY PERSONNEL

Alert the personnel in charge of handling such emergencies. Move away from the accident area if you do not have the personal protective equipment listed in Section 8.

FOR EMERGENCY RESPONDERS

Keep away all personnel who are not adequately equipped to deal with the emergency.

Wear suitable protective equipment as indicated in Section 8 of the safety data sheet to prevent any contamination of skin, eyes and personal clothing. Stop leak if safe to do so.

Make the area affected by the accident accessible to workers only after adequate cleanup has taken place. Ventilate the areas affected by the accident.

6.2. Environmental precautions

Prevent the product from entering into sewers, surface water and ground water.

6.3. Methods and material for containment and cleaning up

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Vacuum the spilled product into a suitable container. Assess the compatibility of the container to be used with the product by checking Section 10. Absorb any remaining product with inert, absorbent material (e.g. vermiculite, diatomaceous earth, sand, kieselgur, zeolites, activated carbon, aluminum/silica gel). Provide sufficient ventilation of the area affected by the leak. The disposal of contaminated material must be carried out in compliance with the provisions of 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

Handle the product after having consulted all other sections of this safety data sheet. Avoid dispersion of product in the environment. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container only. Store in closed containers in a well-ventilated area away from direct sunlight. Store containers away from any incompatible materials (check Section 10).

7.3. Specific end use(s)

There are no particular end uses other than the relevant identified uses listed in Section 1.2 of this safety data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The product does not contain substances which are assigned EU occupational exposure limits (OELs) that need to be declared in this Section.

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oli lubrificanti (petrolio), C24-50, estratti con solvente, decerati, idrogenati								
Concentrazione prevista di non effetto sull'ambiente - PNEC								
Valore di riferimento per la catena alimentare (avvelenamento secondario)				9,33	mg/kg			
Salute - Livello derivato di non effetto - DNEL / DMEL								
	Effetti sui consumatori					Effetti sui lavoratori		
Via di Esposizione	Locali acuti	Sistemici acuti	Locali cronici	Sistemici cronici	Locali acuti	Sistemici acuti	Locali cronici	Sistemici cronici
Orale				0,74 mg/kg bw/d				
Inalazione							5,58 mg/m3	2,73 mg/m3
Dermica								0,97 mg/kg bw/d

Legend:

VND = identified hazard but no DNEL/PNEC available; NEA = no expected exposure; NPI = no identified hazard.

8.2. Exposure controls

Since the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace with an effective local extraction system.

If necessary, ask your chemical substance suppliers for advice when choosing personal protection equipment.

Personal protective devices must bear the CE marking which certifies their compliance with the applicable regulations in force.

HAND PROTECTION

Protect hands by wearing Category III, Class FJ work gloves (fluorinated rubber or equivalent material is recommended; see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, breakage time and permeation.

Owing to the unpredictable nature of the preparation, the gloves' resistance to chemical agents should be tested before being used. The gloves' expected useful life depends on how long they are worn and under what conditions.

SKIN PROTECTION

Wear work clothes with long sleeves and category III professional safety footwear (see Reg. (EU) 2016/425 and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

It is recommended to wear tightly fitting goggles (see standard EN 166).

RESPIRATORY PROTECTION

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If the threshold value (e.g. TLV-TWA) of the substance or of one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type B filter, the class (1, 2 or 3) of which should be chosen based on the limit concentration of use (see standard EN 14387). In cases where gases or vapors of a different nature, and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, a combination of filters should be used.

The use of respiratory protective equipment is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. Note that masks can only provide limited protection.

If the substance considered is odorless or its odor threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open circuit self-contained compressed air breathing apparatus (see standard EN 137) or a fresh-air breathing apparatus (see standard EN 138). Refer to standard EN 529 to choose the correct respiratory protective equipment.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be checked for compliance with environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	paste
Color	green
Odor	no odor
Odor threshold	Not available
pH	Not applicable (the product is a paste)
Melting or freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 160 °C
Evaporation rate	Not available
Flammability of solids and gases	Not applicable (the product is a paste)
Lower flammability limit	Not available
Upper flammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapor pressure	Not applicable (the product is a mixture)
Vapor density	Not applicable (the product is a mixture)
Relative density	1.78
Solubility	Not available
Partition coefficient: n-octanol/water	Not applicable (the product is a mixture)
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

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Explosive properties

Not applicable (absence of chemical groups associated with explosive properties pursuant to the provisions of Annex I, Part 2, Ch. 2.1.4.3 of Reg. (EC) 1272/2008 - CLP).

Oxidizing properties

Not applicable (absence of the requirements related to the presence of atoms and/or chemical bonds associated with oxidizing properties in the component molecules pursuant to the provisions of Annex I, Part 2, Ch. 2.13.4 of Reg. (EC) 1272/2008 – CLP).

Particle characteristics

Not applicable (the product is liquid)

9.2. Other information

9.2.1. Information with regard to physical hazard classes
Information not available

9.2.2. Other safety characteristics
Information not available

SECTION 10: Stability and reactivity

10.1. Reactivity

There is no particular risk of reaction with other substances under normal conditions of use.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

There are no predictable hazardous reactions under normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. In any case, take the usual precautions when handling chemicals.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

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Thermal decomposition may release gases and vapors that are potentially harmful to health (especially CO_x).

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

In the absence of experimental toxicological data on the product itself, the potential product health risks were evaluated on the basis of the properties of the substances it contains, according to the criteria set forth by the respective classification standards.

Consider, therefore, the concentration of the individual hazardous substances cited in Section 3 to assess the toxicological effects arising from exposure to the product.

Metabolism, kinetics, mechanism of action and other information
Information not available

Information on likely routes of exposure Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure Information not available

Interactive effects Information not available

ACUTE TOXICITY

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

LC50 (Inhalation) of the mixture:	Not classified (no relevant component) LD50 (Oral)
of the mixture:	Not classified (no relevant component) LD50
(Dermal) of the mixture:	Not classified (no relevant component)

lubricating oils (petroleum), C24-50, solvent-extracted, dewaxed, hydrogenated	
LD50 (Oral)	> 5000 mg/kg bw Rat
LD50 (Dermal)	> 5000 mg/kg bw Rabbit
LC50 (Inhalation)	2.18 mg/l/4h Rat

SKIN CORROSION/IRRITATION

Based on the available data and considering the classification criteria set out in Table 3.2.3 of Annex I of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

SERIOUS EYE DAMAGE/IRRITATION

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Based on the available data and considering the classification criteria set out in Table 3.3.3 of Annex I of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

RESPIRATORY OR SKIN SENSITIZATION

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

GERM CELL MUTAGENICITY

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

CARCINOGENICITY

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

REPRODUCTIVE TOXICITY

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

ASPIRATION HAZARD

Based on the available data and considering the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified for this hazard class.

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on human health under assessment.

SECTION 12: Ecological information

12.1. Toxicity

Use in accordance with good working practices, avoiding dispersion of product in the environment.
Notify the relevant authorities if the product has reached waterways or if it has contaminated the ground or vegetation.

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Based on the assessment of the classification of the components and the classification provisions of Annex I, Part 4 of Reg. (EC) 1272/2008 and subsequent amendments, the mixture is not classified as hazardous to the environment.

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under assessment.

12.7. Other adverse effects

Information not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered special non-hazardous waste.

Disposal must be entrusted to a licensed waste management company in accordance with national and, if applicable, local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: Transport information

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The product is not classified as dangerous under current provisions governing the transport of dangerous goods by road (ADR), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN number or ID 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. Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

Seveso category - Directive 2012/18/EU: None

Biocides regulation (Reg. (EU) 528/2012): not applicable

Detergent regulation (Reg. (EC) 648/2004):

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not applicable

Dir. 2004/42/EC - VOC / Italian Legislative Decree 161/2006:
not applicable

Restrictions relating to the product or contained substances pursuant to Annex XVII of Regulation (EC) 1907/2006
None

Substances in Candidate List (Art. 59 REACH)

Based on the available data, the product does not contain SVHC substances in percentages greater than 0.1%.

Substances subject to authorization (Annex XIV REACH) None

Substances subject to export notification Reg. (EC) 649/2012: None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Health Inspections Information
not available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the following substances: Lubricating oils (petroleum), C24-50, solvent-extracted, dewaxed, hydrogenated

SECTION 16: Other information

Text of hazard (H) indications cited in Sections 2–3 of the sheet: Asp. Tox. 1

	Aspiration hazard, category 1
H304	May be fatal if swallowed and enters airways.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the transport of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service Number
- EC50: Concentration that has an effect on 50% of the test population

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- CE NUMBER: Number identifier in ESIS (European chemical Substances Information System)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived no-effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- IATA DGR: Regulations for the safe transport of dangerous goods of the international air transport association
- IC50: Immobilization concentration of 50% of the population subject to testing
- IMDG: International Maritime Dangerous Goods Code
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure limit
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predicted Environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no-effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation on the international carriage of dangerous goods by rail
- 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: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

Note L:

Classification as a carcinogen is not necessary if it can be demonstrated that the substance contains less than 3% Dmso extract according to the IP 346 measurement "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene-free petroleum fractions — dimethyl sulfoxide extraction", Institute of Petroleum, London. This note applies only to certain petroleum-derived compound substances contained in Part 3.

CALCULATION METHODS

Chemical-physical hazards: The hazard level was derived from the classification criteria of the CLP Regulation Annex I Part 2 and subsequent amendments.

The health hazards were assessed using the calculation method set out in Reg. (EC) 1272/2008 (CLP) and subsequent amendments for the classification of mixtures when data exists on all or some components of the mixture:

Acute Tox: application of criteria Table 3.1.1. Annex I Part 3 of the CLP Regulation and subsequent amendments

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Skin Corr. 1A/1B/1C H314: application of the additivity formula criteria Table 3.2.3 Annex I Part 3 of the CLP Regulation

Skin Irrit 2 H315: application of additivity formula criteria Table 3.2.3 Annex I Part 3 of the CLP Regulation

Eye Dam 1 H318: application of the additivity formula criteria Table 3.3.3 Annex I Part 3 of the CLP Regulation

Eye Irrit. 2 H319: application of the additivity formula criteria Table 3.3.3 Annex I Part 3 of the CLP Regulation

Eye Irrit. 2 H319: Table 3.3.3 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) and subsequent amendments

Skin Sens 1A/1B/1 H317 Table 3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) and subsequent amendments

Resp Sens 1A/1B/1 H334 Table 3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) and subsequent amendments

Muta. 1A/1B, 2 H340 - H341: Table 3.5.2 Annex I Part 3 of the CLP Regulation and subsequent amendments

Carc 1A/1B, 2 H350 - H351: table 3.6.2 Annex I Part 3 of the CLP Regulation and subsequent amendments

Repr 1A/1B, 2 H360 - H361: table 3.7.2 Annex I Part 3 of the CLP Regulation and subsequent amendments

STOT SE 1, 2 H370 - 371: application of calculation methods - Table 3.8.3 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) and subsequent amendments

STOT SE 3 H336: Chap. 3.8.3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) and subsequent amendments

STOT RE 1, 2 H372 - H373: table 3.9.4 Annex I Part 3 of the CLP Regulation and subsequent amendments

Asp Tox 1 H304: application of the criteria 3.10 Annex I Part 3 of the CLP Regulation and subsequent amendments

The environmental hazards were assessed using the calculation method set out in Reg. (EC) 1272/2008 (CLP) and subsequent amendments for the classification of mixtures when data exists on all or some components of the mixture:

aquatic toxicity acute effects: Table 4.1.1 of Annex I, Part 4 of Reg. (EC) 1272/2008 (CLP) and subsequent amendments

aquatic toxicity chronic effects: Table 4.1.2 of Annex I, Part 4 of Reg. (EC) 1272/2008 (CLP) and subsequent amendments

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (1st ATP CLP)
4. Regulation (EU) 2020/878 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (2nd ATP CLP)
6. Regulation (EU) 618/2012 of the European Parliament (3rd ATP CLP)
7. Regulation (EU) 487/2013 of the European Parliament (4th ATP CLP)
8. Regulation (EU) 944/2013 of the European Parliament (5th ATP CLP)
9. Regulation (EU) 605/2014 of the European Parliament (6th ATP CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (7th ATP CLP)
11. Regulation (EU) 2016/918 of the European Parliament (8th ATP CLP)
12. Regulation (EU) 2016/1179 (9th ATP CLP)
13. Regulation (EU) 2017/776 (10th ATP CLP)
14. Regulation (EU) 2018/669 (11th ATP CLP)
15. Regulation (EU) 2018/1480 (13th ATP CLP)

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16. Regulation (EU) 2019/521 (12th ATP CLP)

- 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
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for the user:

The information contained in this data sheet is based on the current level of knowledge available to us on the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, the user must take responsibility to observe the hygiene and safety laws and regulations in force. We cannot be held liable for improper use.

Provide adequate training to staff in relation to the use of chemical products. Changes from the previous version: 2, 3, 9.