

Revision nr. 2

Dated 27/03/2023 Printed on 29/03/2023

Page n. 1/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Code: ADMR06

LYSONOX LUB SPRAY Product name UFI: SV00-00G9-700V-9VTF

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

Lubricant for professional use Intended use

Identified Uses	Industrial	Professional	Consumer
Professional uses	-	✓	-
Uses Advised Against			

Do not use for uses other than those indicated

1.3. Details of the supplier of the safety data sheet

ADRANOX SRL Name Full address Via Imre Nagy, 46 District and Country 46100 Mantova (MN) Italia

Headquarters: Via I° Maggio, 29 – San Giorgio Bigarello (MN)

Tel. +39 0376 405362 Fax +39 0376 446392

e-mail address of the competent person

responsible for the Safety Data Sheet adranox@adranox.com

1.4. Emergency telephone number

For urgent inquiries refer to **National Poisons Information Centre**

Beaumont Hospital, Beaumont, Dublin 9., Ireland

chemicalsinfo (at) beaumont.ie https://www.poisons.ie/



Revision nr. 2

Dated 27/03/2023

Printed on 29/03/2023

Page n. 2/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Aerosol, category 1 H222 Extremely flammable aerosol.

Aerosol, category 3 H229 Pressurised container: may burst if heated.

2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.
P403 Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C / 122°F.

Contains: Idrocarburi C4

Olio di vaselina

2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.



Revision nr. 2

Dated 27/03/2023

Printed on 29/03/2023

Page n. 3/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. % Classification (EC) 1272/2008 (CLP)

Idrocarburi C4

CAS 87741-01-3 58 ≤ x < 62 Flam. Gas 1A H220, Press. Gas H280, Carc. 1A H350, Muta. 1A H340

EC 289-339-5

INDEX 649-113-00-2

Olio di vaselina

CAS 8042-47-5 $19,5 \le x < 21$ Asp. Tox. 1 H304

EC 232-455-8

INDEX -

REACH Reg. 01-2119487078-27-

XXXX

The full wording of hazard (H) phrases is given in section 16 of the sheet.

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 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

Idrocarburi C4

Skin contact:

Contact with liquid can cause frostbite.

Do not remove clothing that adheres due to frostbite.

Immediately rinse the affected area with plenty of water - continue for at least 15 minutes.

If there are any signs of frostbite (blanching or redness of the skin or a burning or tingling sensation), see a doctor.

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

Information not available



Revision nr. 2

Dated 27/03/2023

Printed on 29/03/2023

Page n. 4/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

Overheated aerosol cans burst and can be thrown violently away and a dangerous fire spreading mechanism can occur.

Pressurized product in sealed metal container (pressure test max 15 bar). Cool the containers with water spray trying to move them away from the fire. Overheated aerosol cans burst and can be thrown away violently (protect your head using a safety helmet).

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

Idrocarburi C4

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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.

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. 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.



Revision nr. 2

Dated 27/03/2023
Printed on 29/03/2023

Page n. 5/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

Olio di vaselina Technical measures for storage Minimum T^a: 5 ° C Maximum T^a: 30 ° C Maximum time: 6 months

7.3. Specific end use(s)

Professional uses.

Do not use for uses other than those indicated in section 1.2.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Olio di vaselina Health - Derived no-ef	fect level - DNEL / [OMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				25 mg/kg bw/d				
Inhalation				34,78 mg/m3				164,56 mg/m3
Skin				93,02 mg/kg bw/d				217,05 mg/kg bw/d

Idrocarburi C4								
Health - Derived no-effect level - DNEL / DMEL								
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Inhalation				0,265 mg/m3				2,21 mg/m3

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



Dated 27/03/2023

Revision nr. 2

Printed on 29/03/2023

Page n. 6/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

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.

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 Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Not necessary for normal use. Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

Not required under normal conditions of use and with adequate ventilation. If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (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

Properties	Value	Information
Appearance Colour	liquid colourless	Remark:sotto pressione
Odour	odourless	
Melting point / freezing point Initial boiling point Flammability	< -100 °C > -42 °C Not available	Remark:Propellente Remark:Propellente
Lower explosive limit	1,8 % (v/v)	
Upper explosive limit	9,5 % (v/v)	
Flash point Auto-ignition temperature pH Kinematic viscosity	< -80 °C > 400 °C Not available Not available	Remark:Propellente Remark:Propellente Reason for missing data:Non pertinente
Solubility	trascurabile	
Partition coefficient: n-octanol/water	Not available	
Vapour pressure	3,2 bar	



Revision nr. 2

Dated 27/03/2023

Printed on 29/03/2023

Page n. 7/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

Density and/or relative density 0,65

Relative vapour density > 2 Remark:Propellente

Particle characteristics Not applicable

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 are no particular risks of reaction with other substances in 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

The vapours may also form explosive mixtures with the air.

10.4. Conditions to avoid

Avoid heating the product, it may explode.

Avoid contact with oxidizing materials. The product could catch fire.

heating, open flames, sparks and hot surfaces.

The aerosol product remains stable for a period exceeding 36 months and in normal storage conditions no dangerous reactions can occur as the container is almost hermetically sealed.

In order to prevent the metal of the container from deteriorating, keep away from acid or basic reaction products. Pay attention to the heat as at temperatures above 50 °C there is an increase in pressure inside the container such as to reach the deformation of the cylinder up to the bursting.

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

10.5. Incompatible materials

Olio di vaselina

Avoid contact with: alkalis,strong bases.

It can generate flammable gases in contact with elementary metals, nitrides, strong reducing agents.

It can generate toxic gases in contact with oxidizing mineral acids, organic peroxides and hydroperoxides.

It can catch fire on contact with oxidizing mineral acids, nitrides, organic peroxides and hydroperoxides, strong oxidizing agents.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.



Revision nr. 2

Dated 27/03/2023

Printed on 29/03/2023

Page n. 8/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

SECTION 11. Toxicological information

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

Metabolism, toxicokinetics, 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

ATE (Inhalation) of the mixture:

ATE (Oral) of the mixture:

Not classified (no significant component)

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

Olio di vaselina

LD50 (Oral): 5100 mg/kg

Idrocarburi C4

LC50 (Inhalation vapours): 5,3 mg/l/4h

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available



Revision nr. 2

Dated 27/03/2023

Printed on 29/03/2023

Page n. 9/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

Idrocarburi C4
In vitro genotoxicity test:
Micronucleus test (clastogenicity)
Method: OECD 474
Comments: positive

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Idrocarburi C4 Carcinogenic effect: Method: OECD 453 NOAEC by inhalation

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

Idrocarburi C4 Method: OECD 422 NOAEC: 20 mg / I

Adverse effects on development of the offspring

Idrocarburi C4 Method: OECD 422 NOAEC: 20 mg / I

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available



Revision nr. 2

Dated 27/03/2023
Printed on 29/03/2023

Page n. 10/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria 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 human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Idrocarburi C4

 LC50 - for Fish
 19 mg/l/96h

 EC50 - for Crustacea
 14,2 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 7,7 mg/l/72h

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

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



Revision nr. 2

Dated 27/03/2023

Printed on 29/03/2023

Page n. 11/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

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 evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG,

1950

IATA:

14.2. UN proper shipping name

ADR / RID: AEROSOLS IMDG: AEROSOLS

IATA: AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID: Class: 2 Label: 2.1

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1

14.4. Packing group

ADR / RID, IMDG,

IATA:

14.5. Environmental hazards

ADR / RID: NO
IMDG: NO
IATA: NO



Revision nr. 2

Dated 27/03/2023 Printed on 29/03/2023

Page n. 12/14

Replaced revision:1 (Printed on: 28/07/2021)

Tunnel

Packaging

Packaging

instructions:

203

203

instructions:

ADMR06 - LYSONOX LUB SPRAY

14.6. Special precautions for user

ADR / RID:

IMDG:

IATA:

HIN - Kemler: --Limited

restriction Quantities: 1 code: (D)

Special provision: -

Cargo:

EMS: F-D, S-U Limited

Quantities: 1

Maximum quantity: 150

Kg Pass.: Maximum

quantity: 75

Kg

A145, A167, Special provision:

A802

14.7. Maritime transport in bulk according to IMO instruments

Information 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: P3a

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

<u>Product</u>

Point 3 - 40

Contained substance

Point 28-29-75 Idrocarburi C4

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None



Revision nr. 2

Dated 27/03/2023

Printed on 29/03/2023

Page n. 13/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Flam. Gas 1A Flammable gas, category 1A

Aerosol 1 Aerosol, category 1
Aerosol 3 Aerosol, category 3
Press. Gas Pressurised gas

Carc. 1A Carcinogenicity, category 1A

Muta. 1A Germ cell mutagenicity, category 1A

Asp. Tox. 1 Aspiration hazard, category 1
H220 Extremely flammable gas.
H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H280 Contains gas under pressure; may burst if heated.

H350 May cause cancer.

H340 May cause genetic defects.

H304 May be fatal if swallowed and enters airways.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling 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: Identifier in Annex VI of CLP
- INDEX: Identifier in Annex VI of CL - 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



Revision nr. 2

Dated 27/03/2023 Printed on 29/03/2023

Page n. 14/14

Replaced revision:1 (Printed on: 28/07/2021)

ADMR06 - LYSONOX LUB SPRAY

- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament

- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 21. Delegated Regulation (UE) 2021/849 (XVII 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
- **FCHA** website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

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.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 09 / 11 / 12 / 16.