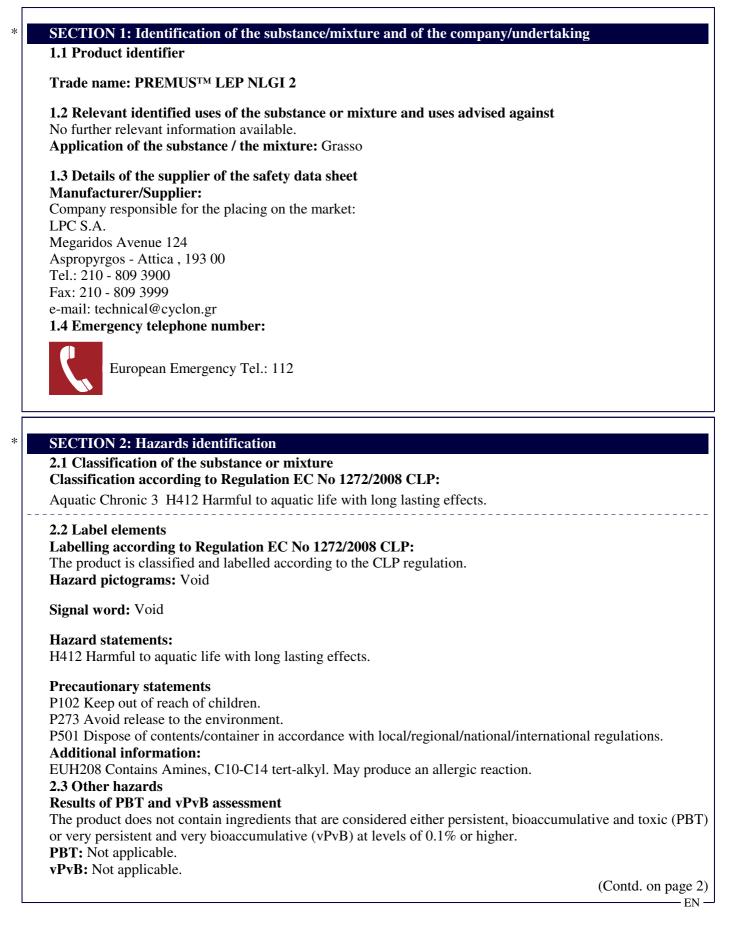


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Determination of endocrine-disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 2020/878:			
EC number: 701-175-2	Amines, C10-C14 tert-alkyl	≥0.025-<0.1%	
Reg.nr.: 01-2119456798-18-XXXX	 ♦ Acute Tox. 3, H311; Acute Tox. 2, H330; ♦ Skin Corr. 1B, H314; Eye Dam. 1, H318; ▲ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ↑ Acute Tox. 4, H302; Skin Sens. 1A, H317 		
CAS: 1213789-63-9	C16-18-(even numbered, saturated and unsaturated)-	≥0.01-<0.05%	
EC number: 627-034-4	alkylamines		
Reg.nr.: 01-2119473797-19-XXXX	 ♦ STOT RE 2, H373; Asp. Tox. 1, H304; ♦ Skin Corr. 1B, H314; Eye Dam. 1, H318; ♠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); ♠ Acute Tox. 4, H302; STOT SE 3, H335 		

SVHC

This product does not contain candidate substances of very high concern at a concentration ≥0.1% (Regulation (EC) No 1907/2006 (REACH), Article 59)

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air.

After inhalation: Seek medical treatment in case of complaints.

After skin contact:

Rinse with plenty of water and soap.

In case of discomfort, consult a doctor.

After eye contact:

Rinse opened eye for at least 15 minutes under running water.

Remove contact lenses and continue rinsing for several minutes

Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Consult the doctor immediately and show the label or this Safety Data Sheet.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing agents: CO2, powder or water spray. Foam Sand

5.2 Special hazards arising from the substance or mixture No further relevant information available.5.3 Advice for firefighters

Protective equipment: Self-contained breathing apparatus and protective clothing in case of fire. **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Avoid inhalation of vapors.

6.1.1 For non-emergency personnel

Caution for slippery surfaces.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

First-aid responders must wear protectice clothing, gloves, goggles and respiratory device with filter type A.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with the eyes and skin

Do not eat, drink or smoke when using this product.

Wash your hands thoroughly after handling.

Wash contaminated clothes before reusing them.

Information about fire - and explosion protection:

Keep away from heat, sparks, open flames and hot surfaces.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in well-sealed containers and in well-ventilated areas. Keep it cool.

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

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7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. **DNELs** (CAS: 1213789-63-9) C16-18-(even numbered, saturated and unsaturated) alkylamines Workers: Inhalation, Long-term exposure - Systemic effects: 0.38 mg/m³ Inhalation, Long-term exposure - Local effects: 1 mg/m³ Consumers: Inhalation, Long-term exposure - Systemic effects: 0.035 mg/m³ Mouth, Long-term exposure - Systemic effects: 40 mg/kg bw/d (EC: 701-175-2) Amines, C10-C14-tert-alkyl Workers: Inhalation, Long-term exposure - Systemic effects: 12.5 mg/m³ Inhalation, Long-term exposure - Local effects: 12.5 mg/m³ Consumers: Inhalation, Long-term exposure - Systemic effects: 2.5 mg/m³ Inhalation, Long-term exposure - Local effects: 1.2 mg/m³ Mouth, Long-term exposure - Systemic effects: 0.35 mg/kg bw/d **PNECs** (CAS: 1213789-63-9) C16-18-(even numbered, saturated and unsaturated)-alkylamines Freshwater: 0.26 µg/l (EC: 701-175-2) Amines, C10-C14-tert-alkyl Fresh water: 0.001 mg/L Fresh water (intermittent releases): 0.004 mg/L Marine water: 0 mg/L STP: 0.635 mg/L Sediment (fresh water): 2.14 mg/kg sediment dw Sediment (marine water): 0.214 mg/kg sediment dw Soil: 0.428 mg/kg dw Secondary poisoning: 4.71 mg/kg food

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation.

Individual protection measures, such as personal protective equipment General protective and hygienic measures: Avoid contact with the eyes and skin. Do not eat, drink or smoke while using the product. Remove contaminated clothes and wash before reusing them. Wash hands before breaks and at the end of work.

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Respiratory protection:



In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection



Wear suitable gloves (EN 374)

Material of gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Use protective gloves complying to EN 374

Material of gloves:

Types of gloves to be considered for this product include: Nitrile having layer thickeness $\geq 0,12$ mm. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Break through time and penetrability given by the manufacturer of the protective gloves has to be observed. Gloves suitability and breakthrough time may also differ depending on the specific use conditions. Replace the gloves at any sign of deterioration.

Penetration time of glove material

Breakthrough time: ≥ 240min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended. **Eve/face protection**



Goggles recommended during refilling

Body protection:



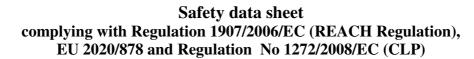
Protective work clothing

Environmental exposure controls Do not release the product into the environment without control.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties		
General Information		
Physical state	Pasta	
Colour:	light brown	
Odour:	Characteristic	
Odour threshold:	Not determined	

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Melting point/freezing point:	>180 °C
Boiling point or initial boiling point and boiling	
range	Not specified
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	>200 °C
	Not Flammable
Auto ignition tomporatura:	Not specified
Auto-ignition temperature: Decomposition temperature:	Not determined
	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity	Not determined
Dynamic:	Not determined
Solubility	
water:	Not determined
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density:	Not determined
Relative density	Not determined
Vapour density	Not determined
9.2 Other information	
Appearance:	Smooth
Form:	Pasta
Important information on protection of health and	d
environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	Not applicable
Fusion temperature / range:	Not applicable
Oxidising properties	Not oxidising
Evaporation rate	Not determined
Information with regard to physical hazard classe	26
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Self-reactive substances and mixtures Pyrophoric liquids	Void Void
Self-reactive substances and mixtures Pyrophoric liquids	
Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures	Void
Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures	Void Void
Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids	Void Void



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Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under normal conditions

10.2 Chemical stability Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided

No decomposition if used and stored according to specifications.

Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials No further relevant information available.

10.6 Hazardous decomposition products No dangerous decomposition products known.

SECTION 11: Toxicological information

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

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

(CAS: 1213789-63-9) (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines

LD50, oral, rat: 1689 mg/kg, Test: 401 Acute Oral Toxicity

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Additional toxicological information:

Repeated dose toxicity Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

None of the ingredients is listed.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

(CAS: 1213789-63-9) C16-18-(even numbered, saturated and unsaturated) alkylamines

EL50, Acute, Algae - Selenastrum capricornutum, 96 hours: 0.04 mg/l

EL50, Acute, Daphnia - Daphnia magna, 48 hours: 0.011 mg/l

EL50, Acute, Micro-organism, 3 hours: 222.5 mg/l, Based on data for a similar substance.

LL50, Acute, Fish - Pimephales promelas, 96 hours: 0.06 mg/l

NOEL, Chronic, Algae - Selenastrum capricornutum, 96 hours: 0.01 mg/l

NOEL, Chronic, Daphnia magna, 21 days: 0.013 mg/l

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

The product does not contain ingredients that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative at levels of 0.1% or higher according to REACH, Annex XIII. **PBT:** Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

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12.7 Other adverse effects

Remark: Harmful to fish

Additional ecological information:

General notes:

The product contains materials that are harmful to the environment. Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods Recommendation



Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

4.1 UN number or ID number	Unenforceable. Not classified as dangerous for transport.	
ADR, IMDG, IATA	Void	
14.2 UN proper shipping name		
ADR, IMDG, IATA	Void	
14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA		
Class	Void	
14.4 Packing group		
ADR, IMDG, IATA	Void	
14.5 Environmental hazards:		
Marine pollutant:	No	
14.6 Special precautions for user	Not applicable.	
14.7 Maritime transport in bulk according to IMO		
instruments	Not applicable.	
UN "Model Regulation":	Void	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Note L applies. The DMSO content is less than 3% (IP 346). REACH Regulation 1907/2006/EC Regulation (EU) 2020/878 CLP Regulation 1272/2008/EC Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work. Council Directive 94/33/EC on the protection of young people at work, as ammended. Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. The substance is not included in Annex I. REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

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Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations: None

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Classification according to Regulation (EC) No 1272/2008	
Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
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Department issuing SDS: SUST[⊕] SUSTCHEM S.A. СНем **REACH & Chemical Services Department** A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece T: +30 210 8252510 | F: +30 210 8252575 W: www.sustchem.gr | E: info@suschem.gr Version number of previous version: 2 Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity - Category 4 Acute Tox. 3: Acute toxicity - Category 3 Acute Tox. 2: Acute toxicity - Category 2 Skin Corr. 1B: Skin corrosion/irritation - Category 1B Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Skin Sens. 1A: Skin sensitisation - Category 1A STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Asp. Tox. 1: Aspiration hazard - Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 * Data compared to the previous version altered. EN