

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 28.04.2023

Version number 1

Revision: 28.04.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** GRANIT SYN EURO ULTRA 5W-30**Description / Product Code:** FORMULA ID: 52**UFI:** F110-A0M6-P004-SHPP**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture: Lubricant**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Company responsible for the placing on the market:

LPC S.A.

Megaridos Avenue 124

Aspropyrgos - Attica , 193 00

Tel.: 210 - 809 3900

Fax: 210 - 809 3999

e-mail: technical@cyclon.gr

1.4 Emergency telephone number:

European Emergency Tel.: 112

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07

Signal word: Warning**Hazard-determining components of labelling:**

2,5-Furandione, polymer with 1-hexadecene, 2-methyloxirane polymer with oxirane bis(2-aminopropyl)ether and 2-methyl-propene, 4-(phenylamino)phenylimide

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Coconut oil, reaction products with boric acid (H₃BO₃), diethanolamine and glycerol

Hazard statements:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

P102 Keep out of reach of children.

P261 Avoid breathing mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 2020/878:

CAS: 125643-61-0 ELINCS: 406-040-9 Index number: 607-530-00-7 Reg.nr.: 01-0000015551-76-XXXX	reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate ----- Aquatic Chronic 4, H413	≥1-≤10%
CAS: 873694-48-5 EC number: 681-947-2	2,5-Furandione, polymer with 1-hexadecene, 2-methyloxirane polymer with oxirane bis(2-aminopropyl)ether and 2-methyl-propene, 4-(phenylamino)phenylimide ----- ⚠ Skin Sens. 1, H317; Aquatic Chronic 4, H413	≥1-≤2.5%
CAS: 68784-31-6 EINECS: 272-238-5 Reg.nr.: 01-2119657973-23-XXXX	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts ----- ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411	≥1-<2.5%

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CAS: 1428353-74-5 EC number: 806-731-9 Reg.nr.: 01-2120067755-46-XXXX	Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol ⚠ Aquatic Chronic 2, H411; ⚠ Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥1-<2.5%
CAS: 72623-87-1 EINECS: 276-738-4 Index number: 649-483-00-5 Reg.nr.: 01-2119474889-13-XXXX	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	≥75-<80%

Additional information:

The base oils of the product contain <3% DMSO extract (IP 346).

In accordance with Regulation (EC) No 1272/2008, Note L, reference IP 346/92: 'Dimethyl sulfoxide (DMSO) extraction method', it was determined that the base oils used in this preparation are not carcinogenic.

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.

In case of discomfort call a doctor.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Immediately rinse the eyes with plenty of water, alternately lifting the upper and lower eyelids.

Check and remove contact lenses if any.

Continue to rinse for at least 10 minutes.

Seek medical attention if irritation occurs.

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

After swallowing:

Do not induce vomiting.

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.

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 special measures are required.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO2, powder or water spray. Fight larger fire with foam.

For safety reasons unsuitable extinguishing agents: Strong water jet

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5.2 Special hazards arising from the substance or mixture

In a fire it is possible to release nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂) & sulphur dioxide (SO₂).

5.3 Advice for firefighters**Protective equipment:**

Self contained breathing apparatus and full protective clothing must be worn 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:**

Avoid contact with skin and eyes.

Avoid inhalation of vapors.

Ensure adequate ventilation.

For information on protective measures, see sections 7 and 8.

6.1.1 For non-emergency personnel Avoid contact with dripping or leaking material

6.1.2 For emergency responders

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

6.2 Environmental precautions: 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).

Treat recovered material as described in Chapter 13.

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 skin and eyes.

Avoid inhaling vapors.

Ensure good ventilation.

Do not eat, drink or smoke during the usage of the product.

Wash contaminated clothing before reuse.

Wash hands before each break and after finishing work.

Put on appropriate personal protective equipment (see section 8 of SDS).

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 cool, dry conditions in well sealed receptacles.

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

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

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

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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: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated neutral oil base

Employees:

Inhalation, long-term exposure, systemic effects: 2,73 mg/m³

Inhalation, long-term exposure, local effects: 5,58 mg/m³

dermal, long-term exposure, systemic effects: 0,97 mg/kg bw/d

Consumers:

Oral, long-term exposure, systemic effects: 0.74 mg/kg bw/d

Inhalation, long-term exposure, local effects: 1,19 mg/m³

(CAS: 125643-61-0) reaction mass of isomers of: 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (C7-C9) alkyl ester

Workers:

Exposure routes: Dermal

Potential health effects: Acute - systemic effects: 20 mg/kg

Exposure routes: Dermal

Potential health effects: Acute - local effects: 1 mg/cm²

Exposure routes: Dermal

Potential health effects: Long-term - systemic effects: 0.22 mg/kg

Exposure routes: Dermal

Potential health effects: Long-term - local effects: 0.006 mg/cm²

(CAS: 68784-31-6) Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts

Workers:

Inhalation, long-term exposure, systemic effects: 2.93 mg/m³

Inhalation, acute/long-term exposure, systemic effects: 496.4 mg/m³

Dermal, long-term exposure, systemic effects: 10.42 mg/kg bw/d

Dermal, acute/long-term exposure, systemic effects: 100 mg/kg bw/d

Consumers:

Inhalation, long-term exposure, systemic effects: 11.75 mg/m³

Inhalation, acute/long-term exposure, systemic effects: 198.6 mg/m³

Dermal, long-term exposure, systemic effects: 2.1 mg/kg bw/d

Dermal, acute/long-term exposure, systemic effects: 50 mg/kg bw/d

Oral, long-term exposure, systemic effects: 0.21 mg/kg bw/d

Oral, acute/long-term exposure, systemic effects: 29 mg/kg bw/d

(CAS: 1428353-74-5) Coconut oil, reaction products with boric acid (H₃BO₃), diethanolamine and glycerol

Workers:

Inhalation, long-term exposure, systemic effects: 0,8 mg/m³

dermal, long-term exposure, systemic effects: 1.1 mg/kg bw/d

Consumers:

Inhalation, long-term exposure, systemic effects: 0.2 mg/m³

dermal, long-term exposure, systemic effects: 0.6 mg/kg bw/d

Oral, long-term exposure, systemic effects: 0.1 mg/kg bw/d

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PNECs

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated neutral oil base

Secondary poisoning: 9,33 mg/kg food

(CAS: 125643-61-0) reaction mass of isomers of: 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (C7-C9) alkyl ester

Fresh water: 0.0043 mg/l

Marine water: 0.00043 mg/l

Freshwater sediment: 233 mg/kg

Marine sediment: 23.3 mg/kg

Soil: 189 mg/kg

(CAS: 68784-31-6) Phosphorodithioic acid, mixed esters of O,O-bis(sec-Bu and 1,3-dimethylbutyl), zinc salts

Fresh water: 4 µg/L

Fresh water (intermittent solutions): 44 µg/L

Marine water: 4.6 µg/L

STP: 3.8 mg/L

Sediment (fresh water): 0.07 mg/kg sediment dw

Sediment (marine water): 0.007 mg/kg sediment dw

Soil: 0.055 mg/kg soil dw

Secondary poisoning: 8.33 mg/kg food

(CAS: 1428353-74-5) Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol

Fresh water: 0.007 mg/L

Fresh water (intermittent releases): 0.021 mg/L

Marine water: 0.001 mg/L

STP: 10 mg/L

Sediment (fresh water): 16.74 mg/kg sediment dw

Sediment (marine water): 1.67 mg/kg sediment dw

Soil: 13.59 mg/kg soil dw

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 skin and eyes.

Do not breathe vapours or mists.

Wash contaminated clothes before reusing them.

Wash your hands before breaks and after use.

Do not eat, drink or smoke while using the product.

Keep away from foodstuffs, beverages and feed.

Respiratory protection:

In conditions of inadequate ventilation, use an appropriate respirator.

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Hand protection



Protective gloves resistant to chemicals (standard EN 374-1)

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Material of gloves

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.

Penetration time of glove material

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.

Eye/face protection



Tightly sealed goggles (EN 166).

Body protection:



Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Chestnut
Odour:	Characteristic odour of lubricating oil.
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	215 °C
	Not Flammable
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH	Not determined

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Viscosity:	
Kinematic viscosity at 40 °C	67 cSt
Dynamic:	Not determined
Solubility	
water:	Not miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density at 20 °C:	0.855 g/cm ³
Relative density	Not determined
Vapour density	Not determined

9.2 Other information

Appearance:	
Form:	Liquid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Cloud point / clarification point:	
Oxidising properties	Not oxidising
Evaporation rate	Not determined

Information with regard to physical hazard classes

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
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Avoid heat, sparkles, naked flame or other sources of ignition.

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10.5 Incompatible materials Oxidizing agents**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: 125643-61-0) reaction mass of the isomers of: 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (C7-C9) alkyl ester

Acute oral toxicity

LD50 rat: > 2,000 mg/kg

Method: OECD Guideline 401

Test substance: yes

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

Acute inhalation toxicity

the study is not scientifically justified

Acute dermal toxicity

LD50 Rat: > 2 000 mg/kg

Method: OECD Test Guideline 402

Test substance: yes

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated on the basis of neutral oils

LD50, oral, rat: > 5000 mg/kg

LD50, dermal, rabbit: > 2000 mg/kg

LC50 (4h), inhalation, rat: $\geq 5,53$ mg/l (dust/droplets)(CAS: 1428353-74-5) Coconut oil, reaction products with boric acid (H₃BO₃), diethanolamine and glycerolLD50, oral: ≥ 2000 mg/kg male/female rat, OECD 423, Weinberg JT (2015)LD50, dermal: ≥ 2000 mg/kg male/female rat, OECD 402, Weinberg JT (2015)**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Causes serious eye irritation.**Respiratory or skin sensitisation** May cause an allergic skin reaction.**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**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:**

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated on the basis of neutral oils

Toxicity to fish

LL50 (Pimephales promelas): > 100 mg/l

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Method: OECD 203

Toxicity to laurel and other aquatic invertebrates

EL50 (48h) (Daphnia magna): > 10 000 mg/l

Method: OECD 202

NOEL (48h) (Daphnia magna): > 10 000 mg/l

Method: OECD 202

Daphnia toxicity

NOEC (72h) (algae): ≥ 100 mg/l

(CAS: 68784-31-6) Phosphorodithioic acid, mixed O,O-dis(sec-butyl and 1,3-dimethylbutyl) esters, zinc salts

Test identifier: EC50

Test result: 1,2 mg/l

Species: Invertebrates

Duration: 48 hours

*Data from a comparative approach from similar material

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
PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No further relevant information available.

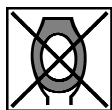
SECTION 13: Disposal considerations

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.

Waste disposal key: 13 02 05* non-chlorinated engine, gearbox and mineral-based lubricating oils

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

Unenforceable. Not classified as dangerous for transport.

ADR, ADN, IMDG, IATA

Void

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14.2 UN proper shipping name

ADR, ADN, 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:

Not applicable.

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.

Substance is not listed.

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.

REGULATION (EU) 2019/1148
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.

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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:
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

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

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

Serious eye damage/irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Skin sensitisation	

Department issuing SDS:

SUSTCHEM SUSTCHEM S.A.
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

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

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SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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