

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

Printing date 24.02.2023

Version number 5 (replaces version 4)

Revision: 24.02.2023

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** ALFACYLO 100 HSF**UFI:** 7QN0-70M2-R006-84N9**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:**

Aegean Oil S.A

10, Akti Kondyli,

Piraeus, Greece, 185 45

Tel: (+30) 210 4586000

Fax: (+30) 210 4586244

E-mail: sales-lubes@aegeanoil.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:**

GHS08 health hazard

Repr. 1B

H360F May damage fertility.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

Eye Irrit. 2

H319 Causes serious eye irritation.

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

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

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Hazard pictograms:


GHS07 GHS08 GHS09

Signal word: Danger

Hazard-determining components of labelling:

phenol, dodecyl-, branched

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360F May damage fertility.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face 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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

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

Additional information:

Restricted to professional users.

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

vPvB: Not applicable.

Determination of endocrine-disrupting properties

CAS: 121158-58-5 phenol, dodecyl-, branched

List I

SECTION 3: Composition/information on ingredients
3.2 Mixtures
Description: Mixture: consisting of the following components.

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Ingredients according Regulation (EU) 2020/878:

CAS: 68784-26-9 EINECS: 272-234-3 Reg.nr.: 01-2119524004-56-XXXX	Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased ----- Aquatic Chronic 4, H413	≥2.5-≤10%
CAS: 121158-58-5 EC number: 310-154-3 Index number: 604-092-00-9 Reg.nr.: 01-2119513207-49-XXXX	phenol, dodecyl-, branched ----- ⚠ Repr. 1B, H360F; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	≥1-<2.5%
CAS: 107-21-1 EINECS: 203-473-3 Index number: 603-027-00-1 Reg.nr.: 01-2119456816-28-XXXX	Ethane-1,2-diol ----- ⚠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302	≥0.3-≤1%

SVHC

CAS: 121158-58-5 | phenol, dodecyl-, branched

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:

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet.

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

Seek medical treatment in case of complaints.

After skin contact:

Remove contaminated clothing.

Wash the skin immediately with soap and water.

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:

Rinse mouth with water.

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

Never give anything by mouth to an unconscious person.

Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fire with foam.**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.

Cool adjacent tanks by spraying water at a safe distance.

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**

Wear protective equipment. Keep unprotected persons away.

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

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

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

6.3 Methods and material for containment and cleaning up:

It is collected with liquid absorbent materials (vermiculite, sand, pyrite deposits, sawdust).

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**

Ensure adequate ventilation

Avoid contact with skin and eyes.

Avoid inhaling vapors.

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

Wash contaminated clothing before reuse.

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Wash hands before each break and after finishing work.

Use adequate personal protective equipment as required. For more information regarding protective equipment see section 8.

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.

Prevent any seepage into the ground.

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

Further information about storage conditions:

Protect from heat and direct sunlight.

Store locked up

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:

CAS: 107-21-1 Ethane-1,2-diol

IOELV (EU)	Short-term value: 104 mg/m ³ , 40 ppm Long-term value: 52 mg/m ³ , 20 ppm Skin
WEL (Great Britain)	Short-term value: 104** mg/m ³ , 40** ppm Long-term value: 10* 52** mg/m ³ , 20** ppm Sk *particulate **vapour

DNELs

(CAS: 107-21-1) ethylene glycol

Workers:

long-term exposure, inhalation, local effects: 35 mg/m³

long-term exposure, dermal, systemic effects: 106 mg/kg bw/d

Consumers:

long-term exposure, inhalation, local effects: 7 mg/m³

long-term exposure, dermal, systemic effects: 53 mg/kg bw/d

(CAS: 121158-58-5) phenol, dodecyl-, branched

Workers:

Inhalation - Long-term systemic effect: 1,762 mg/m³

Inhalation - Short-term local effect: 44.18 mg/m³

Dermal - Long-term systemic effect: 0.25 mg/kg bw/d

Dermal - Short-term local effect: 166 mg/kg bw/d

Consumers:

Inhalation - Long-term systemic effect: 0.79 mg/m³

Inhalation - Short-term local effect: 13.26 mg/m³

Dermal - Long-term systemic effect: 0.075 mg/kg bw/d

Dermal - Short-term local effect: 50 mg/kg bw/d

Oral - Long-term systemic effect: 0.075 mg/kg bw/d

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Oral - Short-term local effect: 1.26 mg/kg bw/d

PNECs

(CAS: 107-21-1) ethylene glycol

fresh water: 10 mg/l

marine water: 1 mg/l

intermittent release: 10 mg/l

sewage treatment plant (STP): 199,5 mg/l

sediment (fresh water): 20,9 mg/kg

soil: 1,53 mg/kg

sediment (marine water): 3,7 mg/kg

(CAS: 121158-58-5) phenol, dodecyl-, branched

Fresh water: 0.074 µg/L

Marine water: 0.007 µg/L

STP: 100 µg/L

Fresh water sediment: 0.226 mg/kg sediment dw

Marine water sediment: 0.027 mg/kg sediment dw

Soil: 0.118 mg/kg soil dw

Secondary poisoning: 4 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 skin and eyes.

Do not breathe vapours or mists.

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

Remove contaminated clothes and wash before reusing them.

Keep away from foodstuffs, beverages and feed.

Be sure to clean skin thoroughly after work and before breaks.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection

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

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.

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

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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. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

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



Goggles recommended during refilling

Body protection:



Protective work clothing

Environmental exposure controls

Prevent enter of the product into drains, surface and groundwater and soil.

Dispose of flushing liquids in accordance with local and national regulations.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Light-coloured to brown
Odour:	Characteristic of lubricants
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:	260 °C (ASTM D-92)
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity at 40 °C	176 cSt (ASTM D-445)
Dynamic:	Not determined
Solubility	
water:	Not miscible

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Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density at 20 °C:	0.949 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.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Drip point:

Pour point -9 °C (ASTM D-97)

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: 107-21-1) Ethylene glycol

LD50, oral, rat: 7712 mg / kg

LD50, transdermal, rat: 10600 mg / kg

LD50, transdermal, rabbit: > 3500 mg / kg

(CAS: 121158-58-5) phenol, dodecyl-, branched.

LD50 - Oral - Rat: 2100 mg/kg bw, Method: OECD 401.

LD50 - Dermal - Rat: 15000 mg/kg bw, Method: OECD 402.

NOAEL (oral, Rat, 90 days): 15 mg/kg bw/day, Method: (OECD 416).

NOAEL (subacute, Oral, animal/male, 28 days): 60 mg/kg bw Method: (OECD 407).

ATE (Acute Toxicity Estimates)

Oral	LD50	32,154-160,772 mg/kg
------	------	----------------------

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

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

The product is classified as toxic to Reproduction Category 1B.

May damage fertility.

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.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Repr. 1B

11.2 Information on other hazards
Endocrine disrupting properties

CAS: 121158-58-5 phenol, dodecyl-, branched

List I

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:

(CAS: 121158-58-5) phenol, dodecyl-, branched

Toxicity to fish

LC50 (Fathead Minnow, 4 d): 40 mg/l

Toxicity to aquatic invertebrates

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EC50 (Water flea (*Daphnia magna*), 2 d): 0.037 mg/lEC50 (Shrimp (*Mysidopsis Bahia*), 4 d): >0.58 mg/lEC50 (Water flea (*Daphnia magna*), 21 d): 0.0079 mg/lNOEC (Water flea (*Daphnia magna*), 21 d): 0.0037 mg/l

Toxicity to aquatic plants

EC50 (Green algae (*Scenedesmus quadricauda*), 72 h): 0.36 mg/l

Toxicity to microorganisms

EC 50 (Sludge, 0.1 d): >1000 mg/l

(CAS: 107-21-1) Ethane-1,2-diol

Fish toxicity:

LC50 (96 h): 72,860 mg/l, *Pimephales promelas* (EPA 72-1, static)

Aquatic invertebrates:

EC50 (48 h): > 100 mg/l, *Daphnia magna* (OECD 202, Part 1, static)

Aquatic plants:

EC50 (96 h): 6,500 - 13,000 mg/l (growth rate), *Pseudokirchneriella subcapitata* (Algae growth inhibition test)

Microorganisms/Effect on activated sludge:

EC20 (30 min): > 1,995 mg/l, activated sludge, urban origin (DIN EN ISO 8192, aerobic)

The product has not been tested. This statement is derived from substances / products of a similar form or composition.

Chronic fish toxicity:

NOEC (7 d): 15,380 mg/l, *Pimephales promelas* (Screening test, semi-static)

Chronic aquatic invertebrates toxicity:

NOEC (7 d): 8,590 mg/l, *Ceriodaphnia* sp. (Cronic toxicity to *Daphnia*, semi-static)**12.2 Persistence and degradability**

(CAS: 107-21-1) Ethylene glycol

Easily biodegradable.

10 days, 90-100% (Experimental data) (OECD 301A)

12.3 Bioaccumulative potential

(CAS: 107-21-1) Ethylene glycol

Partition coefficient n-octanol / water: -1.93

Bioaccumulative capacity: Not bioaccumulative

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** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects****Remark:** Toxic for fish**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Also poisonous for fish and plankton in water bodies.

The product contains materials that are harmful to the environment.

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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

HP10	Toxic for reproduction
HP14	Ecotoxic

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

UN3082

14.2 UN proper shipping name

ADR

3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (phenol, dodecyl-,
branched)

IMDG

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (phenol, dodecyl-,
branched), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (phenol, dodecyl-,
branched)

14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class

9 Miscellaneous dangerous substances and articles.

Label

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14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	Environmental Hazardous Yes Symbol (fish and tree)
Special marking (ADR): Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code	3 (-)
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENOL, DODECYL-, BRANCHED), 9, III

SECTION 15: Regulatory information

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

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.

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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 Note L applies. DMSO content is below 3% (IP 346).

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

Seveso category E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 30

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.

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

CAS: 121158-58-5 | phenol, dodecyl-, branched

15.2 Chemical safety assessment:

Has been performed for the main ingredients of the product.

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.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H360F May damage fertility.

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

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H400 Very toxic to aquatic life.

H410 Very 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

Skin corrosion/irritation

Serious eye damage/irritation

Reproductive toxicity

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.

Department issuing SDS:

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
Version number of previous version: 4
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

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

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

Repr. 1B: Reproductive toxicity – Category 1B

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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 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

*** Data compared to the previous version altered.**