

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.11.2022

Version number 2.00 (replaces version 1.00)

Revision: 23.11.2022

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

1.1 Product identifier

Trade name: **CLASSIC ADRENALIN ST 80W-90 GL 4/5**

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:

Classic Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

DEUTSCHLAND

Telephone: +49 (4251) - 8120

products@classic-oil.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

Contains: Magnesium metaborate, Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched), Polysulphides, di-tert-Bu. May produce an allergic reaction.

Safety data sheet available on request.

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 of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 68937-96-2 EINECS: 273-103-3 Reg.nr.: 01-2119540515-43	Polysulphides, di-tert-Bu ⚠ Skin Sens. 1B, H317; Aquatic Chronic 3, H412 Specific concentration limit: Skin Sens. 1B; H317: C ≥ 46 %	3-<5%
	Mineral Oil * ⚠ Asp. Tox. 1, H304	1-<3%
EC number: 931-384-6 Reg.nr.: 01-2119493620-38	Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 50 % Skin Sens. 1; H317: C ≥ 9.39 %	1-<3%

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CAS: 13703-82-7 EINECS: 237-235-5 Reg.nr.: 01-2120769073-53	Magnesium metaborate  Skin Sens. 1B, H317	(Contd. of page 1) 0.3-<0.5%
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SVHC

This product contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate List according to Article 59 of REACH.

Additional information:

*The mineral oil can be described by one or more EINECS numbers. 265-157-1, 265-169-7, 265-158-7, 265-159-2, (REACH-no.: 01-2119484627-25, 01-2119471299-27, 01-2119487077-29, 01-2119480132-48)

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: In case of accident or unwellness, seek medical advice immediately.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing:

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect).

Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

If swallowed or vomited, danger of entering the lungs.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder. For large fires and large quantities: Water spray, water mist.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

When burning strong soot development

In the event of fire, the following can be produced: Carbon monoxide, carbon dioxide (CO₂), sulphur oxides, nitrogen oxides (NO_x), phosphorus oxides, soot.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Protective equipment: Wear self-contained respiratory protective device.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothes.

Avoid formation of oil dust.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

For non-emergency personnel Personal protective equipment

6.2 Environmental precautions:

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil. If required, notify relevant authorities according to all applicable regulations.

6.3 Methods and material for containment and cleaning up:

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

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

Wear suitable protective clothing. Avoid contact with skin, eyes and clothes. Avoid formation of oil dust. Do not breathe aerosol.

Information about fire - and explosion protection:

Usual measures of preventive fire protection

Keep ignition sources away - Do not smoke.

Fire class B

Handling:

Do not breathe vapour/aerosol. Avoid contact with eyes and skin.

Advices on general occupational hygiene: See section 8.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Keep container tightly closed in a dry, cool and well-ventilated place.

Use only receptacles specifically permitted for this substance/product.

Information about storage in one common storage facility:

Do not store together with: Gas. Explosives. Oxidizing substances. Radioactive substances. Infectious substances.

Further information about storage conditions:

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

Storage class: 10

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.

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DNELs

CAS: 68937-96-2 Polysulphides, di-tert-Bu

Oral	long-term, oral, systemic	0.167 mg/kg KG/d consumer
Dermal	long-term, dermal, systemic	4.67 mg/kg KG/d workers
	long-term, dermal, systemic	1.67 mg/kg KG/d consumer
Inhalative	long-term, inhalation, systemic	3.29 mg/m ³ workers
	long-term, inhalation, systemic	0.58 mg/m ³ consumer

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Oral	long-term, oral, systemic	0.25 mg/kg KG/d consumer
Dermal	long-term, dermal, systemic	12.5 mg/kg KG/d workers
	long-term, dermal, systemic	6.25 mg/kg KG/d consumer
	acute, dermal, local	0.024 mg/cm ² consumer
Inhalative	long-term, inhalation, systemic	4.28 mg/m ³ workers
	long-term, inhalation, systemic	1.09 mg/m ³ consumer

CAS: 13703-82-7 Magnesium metaborate

Oral	long-term, oral, systemic	0.28 mg/kg KG/d consumer
Dermal	long-term, dermal, systemic	7.78 mg/kg KG/d workers
	long-term, dermal, systemic	0.278 mg/kg KG/d consumer
Inhalative	long-term, inhalation, systemic	5.49 mg/m ³ workers
	long-term, inhalation, systemic	0.82 mg/m ³ consumer

PNECs

CAS: 68937-96-2 Polysulphides, di-tert-Bu

PNEC (Freshwater)	0.00024 mg/l
Freshwater (intermittent releases)	0.002 mg/l
PNEC (Seawater)	0.000024 mg/l
Micro-organisms in sewage treatment plants (STP)	4.51 mg/l
PNEC (freshwater sediment)	0.94 mg/kg
PNEC (Seawater sediment)	0.094 mg/kg
PNEC (ground)	0.0181 mg/kg
Secondary poisoning	6.66 mg/kg

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

PNEC (Freshwater)	0.0024 mg/l
Freshwater (intermittent releases)	0.15 mg/l

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PNEC (Seawater)	0.00024 mg/l
Micro-organisms in sewage treatment plants (STP)	24.33 mg/l
PNEC (freshwater sediment)	0.0129 mg/kg
PNEC (Seawater sediment)	0.00129 mg/kg
PNEC (ground)	0.00117 mg/kg
Secondary poisoning	10 mg/kg
CAS: 13703-82-7 Magnesium metaborate	
PNEC (Freshwater)	0.05 mg/l
PNEC (Seawater)	0.05 mg/l
Micro-organisms in sewage treatment plants (STP)	100 mg/l
PNEC (freshwater sediment)	1.38 mg/kg
PNEC (Seawater sediment)	1.38 mg/kg
PNEC (ground)	0.247 mg/kg
Secondary poisoning	1.67 mg/kg

Additional information:

Additional information on limit values

Airborne limit values:

Possibility of exposure to aerosol (mineral oil).

Limit value (TLV-TWA) = 5 mg/m³ - Source: ACGIH

TLV-STEL = 10 mg/m³ - Source: ACGIH

STEL: short-term exposure limits

TLV: Threshold Limiting Value

TWA: time weighted average

ACGIH: American Conference of Governmental Industrial Hygienists

The safety data sheet of the pre-supplier served as the basis for the creation.

8.2 Exposure controls

Appropriate engineering controls Ensure good ventilation of the work station.

Individual protection measures, such as personal protective equipment
General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Clean skin thoroughly after working. Do not put any product-impregnated cleaning rags into your trouser pockets. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at:

-aerosol or mist formation

-Exceeding exposure limit values

Suitable respiratory protection apparatus: Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.

The respiratory protection filter class must be adapted to the maximum pollutant concentration (gas/vapour/ aerosol/particles) that can arise when handling the product. If the concentration is exceeded, insulating equipment must be used!

Hand protection


Protective gloves

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 347/EN 388.

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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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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

Eye/face protection



Tightly sealed goggles

EN 166

Body protection:

Heavy flammable, oil-repellent protective clothing

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Fluid

Colour:

Red

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/freezing point:

-27 °C (Pourpoint, ASTM D 5985)

Boiling point or initial boiling point and boiling range

Undetermined.

Flammability

Not applicable.

Lower and upper explosion limit

Lower:

Not determined.

Upper:

Not determined.

Flash point:

224 °C (DIN ISO 2592)

Decomposition temperature:

Not determined.

pH

Not determined.

Viscosity:

Kinematic viscosity at 40 °C

139 mm²/s (DIN EN ISO 3104)

Kinematic at 40°C

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 at 15 °C:

0.898 g/cm³ (DIN 51757)

Relative density

Not determined.

Vapour density

Not determined.

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9.2 Other information

Appearance:
Form: Fluid

Important information on protection of health and environment, and on safety.
Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

Change in condition
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 No further relevant information available.

10.5 Incompatible materials: Materials to avoid: Strong 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: 68937-96-2 Polysulphides, di-tert-Bu

Oral LD50 oral >2,000 mg/kg (rat)

Dermal LD50 dermal >2,000 mg/kg (rat)

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Oral LD50 oral >2,000 mg/kg (rat) (OECD Guideline 401)

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CAS: 13703-82-7 Magnesium metaborate

Oral	LD50 oral	>2,000 mg/kg (rat) (OECD Guideline 420)
Dermal	LD50 dermal	>2,000 mg/kg (rat) (OECD Guideline 402)

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.

Polysulphides, Di-tert-Bu:

Subacute oral toxicity:

Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents).

Species: Rat

Result: NOAEL = 100 mg/kg; Reference: ECHA Dossier

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

Subacute oral toxicity: Method: -;

Species: Rat;

Result: NOAEL = 150 mg/kg; Literature reference: ECHA dossier

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

Additional toxicological information:
Sensitisation

Contains reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched), magnesium metaborate.

May cause allergic reactions.

Polysulphides, di-tert-bu:

Respiratory or skin sensitisation: Specific concentration limit (SCL): Skin Sens. 1 > 46%.

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

Skin sensitisation: negative

Specific concentration limit (SCL): Skin Sens. 1 = 10%

Method: human repeat insult patch tests (HRIPT).

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

Polysulphides, Di-tert-Bu:

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay);

Result: negative Literature reference: ECHA dossier;

Reproductive toxicity:

Species: Rat (Sprague-Dawley);

Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test);

Result: NOAEL = 150 mg/kg; Reference: ECHA Dossier;

Developmental toxicity / teratogenicity:

Species: rat; Method:

OECD Guideline 414 (Prenatal Developmental Toxicity Study);

Result: NOAEC ≥ 195 ppm; Reference: ECHA Dossier

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test);

Result: negative Literature reference: ECHA dossier;

Reproductive toxicity:

Species: Rat (Wistar);

Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test);

Result: NOAEL = 150 mg/kg Reference: ECHA G179 dossier;

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Developmental toxicity / teratogenicity:

Species: Rat (Wistar);

Method: other guideline: Reproduction/developmental screening test.

Result: NOAEL = 150 mg/kg; Reference: ECHA dossier.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

Other information Frequent contact may cause skin and eye irritation, especially after drying.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 68937-96-2 Polysulphides, di-tert-Bu

ErC50 >100 mg/l /(72h) (Pseudokirchnerella subcapitata) (OECD 201)

EC50 63 mg/L /(48h) (Daphnia magna) (OECD 202)

LC50 >0.088 mg/L /(96h) (Danio rerio) (OECD 203)

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

ErC50 6.4 mg/l /(96h) (Pseudokirchnerella subcapitata) (OECD 201)

EL50 ~91.4 mg/l /(48h) (Daphnia magna) (OECD 202)

LC50 8.5 mg/L /(96h) (Oncorhynchus mykiss) (OECD 203)

CAS: 13703-82-7 Magnesium metaborate

ErC50 >50 mg/l /(72h) (Pseudokirchnerella subcapitata) (OECD 201)

LL50 >50 mg/l /(96h) (Oncorhynchus mykiss) (OECD 203)

EL50 >50 mg/l /(48h) (Daphnia magna) (OECD 202)

EC50 1,000 mg/L /3 h (Mic)

12.2 Persistence and degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

CAS: 68937-96-2 Polysulphides, di-tert-Bu

Persistence and degradability 13 % /(28d) (OECD 301B / ISO 9439 / EWG 92/69 Anhang V,C.4-C)
Not readily biodegradable (according to OECD criteria).

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Persistence and degradability 3.6 % /(28d)
ASTM D-5864-95
not easily degradable

CAS: 13703-82-7 Magnesium metaborate

Persistence and degradability 4 % /(28d) (OECD 301B)
Not readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

CAS: 68937-96-2 Polysulphides, di-tert-Bu

BCF 0.006 (Lm)

Partition coefficient n-octanol/water 5.6

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

BCF 436 (Oncorhynchus mykiss)

Partition coefficient n-octanol/water <0.3

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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 of waste according to applicable legislation.

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 not regulated

14.2 UN proper shipping name
ADR, IMDG, IATA not regulated

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class not regulated

14.4 Packing group
ADR, IMDG, IATA not regulated

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":

not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

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:
Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

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.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: product management

Version number of previous version: 1.00

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

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

Skin Sens. 1: Skin sensitisation – Category 1

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

Asp. Tox. 1: Aspiration hazard – Category 1

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Sources The safety data sheet of the pre-supplier served as the basis for the creation.