EUXYL PE 9010 PRESERVATIVE
SAFETY DATA SHEET

| MATERIAL & SUPPLY COMPANY IDENTIFICATION |
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## Product Identifiers

| Product Name:  | Euxyl PE 9010 Preservative ™ Trademark, Ashland or its subsidiaries, registered in various countries |
| --- | --- |
| Chemical Name: | Not available |
| CAS Number.:  | 57-55-6 78491-02-8 5546-53-6  |

## Relevant identified uses of the substance or mixture

Recommended use: Conservation agent (preservative) for cosmetics

## Supplier Details

| Supplier:  | Heirloom Body Care Pty Ltd |
| --- | --- |
| Address:  | Unit 9, 28 Coombes Drive Penrith NSW 2750 Australia |
| Telephone: | 02 4722 2123 |
| Fax | 02 4722 2904 |

## Information in case of emergency

| Poisons Information Centre | 13 11 26 |
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| HAZARD IDENTIFICATION |
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## Classification of the substance / preparation

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

## Label Elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:


Signal Word Danger

Hazard Statements H318 Causes serious eye damage.

Precautionary Statements Prevention

 P280 Wear protective gloves/protective clothing/eye protection/face protection
Precautionary Statements Response

 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER/ doctor.

Hazardous components which must be listed on the label:

 3-(2-ethylhexyloxy)propane-1,2-diol

## Other Hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

| PRODUCT COMPOSITION |
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## Mixtures

| Chemical Name | CAS NoEC NoRegistration Number | Classification (REGULATION (EC) No 1272/2008) | Concentration (%) |
| --- | --- | --- | --- |
| 2-phenoxyethanol | 122-99-6204-589-701-2119488943-21-002001-2119488943-21-xxxx | Acute Tox.4; H302Eye Irrit.2; H319 | >= 90,00 - <= 100,00 |
| 3-(2-ethylhexyloxy)propane-1,2-diol | 70445-33-9408-080-2 | Acute Tox.4; H332Eye Dam.1; H318STOT SE3; H335Aquatic Chronic3; H412 | >= 5,00 - < 10,00 |

## For explanation of abbreviations see section 16.

| FIRST AID |
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## Description of first aid measures

| **General advice** | Move out of dangerous area.Consult a physician.Show this safety data sheet to the doctor in attendance.Do not leave the victim unattended. |
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| **Eye Contact:**  | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.Continue rinsing eyes during transport to hospital.Remove contact lenses.Protect unharmed eye. |
| **Skin Contact:**  | First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. |
| **Inhalation:**  | If breathed in, move person into fresh air.If unconscious, place in recovery position and seek medical advice.If symptoms persist, call a physician. |
| **Ingestion:** | Obtain medical attention.Do NOT induce vomiting.Rinse mouth with water.Do not give milk or alcoholic beverages.Never give anything by mouth to an unconscious person.If symptoms persist, call a physician. |

## Most important symptoms and effects, both acute and delayed

Symptoms:

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways)

pain in the abdomen and lower back, acute kidney failure (sudden slowing or stopping of urine production)

Risks: Causes serious eye damage.

## Indication of immediate medical attention and any special treatment required

Treatment: No hazards which require special first aid measures.

| FIRE FIGHTING MEASURES |
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## Extinguishing Media

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Water spray

Foam

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing media:

High volume water jet

## Special hazards arising from the substance or mixture

**Specific hazards during firefighting:**

If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.
Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous combustion products:**Carbon dioxide (CO2)
Carbon monoxide

## Advice for firefighters

| **Special protective equipment for firefighters** | In the event of fire, wear self-contained breathing apparatus. |
| --- | --- |
| **Specific extinguishing methods** | Product is compatible with standard fire-fighting agents. |
| **Further information** | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

| ACCIDENTAL RELEASE MEASURES |
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## Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Comply with all applicable federal, state, and local regulations.

## Environmental precautions

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities

## Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

## Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet

| HANDLING AND STORAGE |
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## Precautions for safe handling

| **Advice on Safe handling** | Do not breathe vapours/dust.Do not smoke.Container hazardous when empty.Avoid contact with skin and eyes.Smoking, eating and drinking should be prohibited in the application area.For personal protection see section 8.Dispose of rinse water in accordance with local and national regulations. |
| --- | --- |
| **Advice on protection against fire and explosion** | Normal measures for preventive fire protection. |
| **Hygiene measures** | Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke. |

## Conditions for storage

| **Requirements for storage areas and containers** | Keep container tightly closed in a dry and well-ventilated place |
| --- | --- |
| **Storage class (TRGS 510)** | 10, Combustible liquids |
| **Other data** | No decomposition if stored and applied as directed. |

## Specific end use(s)

Specific use(s): No data available

| EXPOSURE CONTROLS AND PERSONAL PROTECTION |
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## Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

### Ingredient Data

| Components | CAS No | Value Type (Form of Exposure) | Control Parameters | Basis |
| --- | --- | --- | --- | --- |
| 2-phenoxyethanol | 122-99-6 | AGW (Vapour and aerosols) | 1 ppm5,7 mg/m3Vapour and aerosols | DE TRGS 900 |

## Exposure Controls

| **Appropriate engineering controls** | Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects. |
| --- | --- |
| **Eye and face protection** | Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.Maintain eye wash station in immediate work area.Use eye protection according to EN 166. |
| **Skin and body protection** | Wear as appropriate:Impervious clothingSafety shoesChoose body protection according to the amount and concentration of the dangerous substance at the work place.Protective clothing complying with EN 13688.Safety shoes complying with EN ISO 20345. |
| **Hands/feet protection** | Material: butyl-rubberBreak through time: 480 minGlove thickness: > 0,5 mmRemarks:The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.The suitability for a specific workplace should be discussed with the producers of the protective gloves.The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. |
| **Respiratory protection** | In the case of vapour formation use a respirator with an approved filter within the capabilities of the respirator/filter combination.Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.Respiratory protection complying with EN 136.Respiratory protection complying with EN 140.Respiratory protection complying with EN 14387. |

| PHYSICAL AND CHEMICAL PROPERTIES |
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## General information

| **Appearance** | Liquid |
| --- | --- |
| **Colour** | Colourless |
| **Odour:**  | Characteristic |
| **Odour threshold** | Not determined |
| **pH (as supplied)** | 6-8(20ºC) Concentration: 10 g/l |
| **Melting point & Freezing point:**  | ca. 5ºC |
| **Boiling point/boiling range** | >100ºC |
| **Flash point:**  | >100ºC Method ISO 2719 |
| **Evaporation rate** | Not determined |
| **Flammability**  | Not applicable |
| **Upper & lower flammability or explosive limits:**  | Not available  |
| **Vapour pressure (kPa):**  | Not determined |
| **Solubility in water (10g/litre @ 20 °C):**  | Miscible |
| **Solubility in other solvents** | No data available |
| **Relative Vapour Density (air = 1):**  | Not determined |
| **Relative density (Water=1):**  | No data available |
| **Density** | 1,087-1,092 g/cm3 (20ºC) |
| **Partition coefficient n-octanol/water** | Not applicable |
| **Auto ignition T°C:**  | Not available  |
| **Decomposition temperature:**  | Not available  |
| **Viscosity: dynamic** | 28mPa.s |
| **Viscosity: kinematic** | Not determined |
| **Flow time** | <15h at 20ºC Method: DIN 53211 |
| **Explosive properties:**  | Not explosive |
| **Oxidising properties:** | The substance or mixture is not classified as oxidizing. |
| **Surface Tension (dyn/cm or mN/m)** | 34mN/m |
| **Refractive index** | 1,522-1,534 at 20ºC |
| **Self ignition** | Not determined |

| STABILITY AND REACTIVITY |
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## Reactivity

No decomposition if stored and applied as directed.

## Chemical Stability

Stable under recommended storage conditions.

## Possibility of hazardous reactions

Hazardous reactions: Product will not undergo hazardous polymerization.

## Conditions to avoid

Conditions to avoid: excessive heat

## Incompatible materials

Materials to avoid:

Strong acids
Strong bases
Strong oxidizing agents

## Hazardous decomposition products

Hazardous decomposition products:

Carbon dioxide (CO2)
Carbon monoxide

| TOXICOLOGICAL INFORMATION |
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## Information on the toxicological effects

Information on likely routes of exposure:
Inhalation
Skin contact
Eye contact
Ingestion

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity: Acute toxicity estimate : > 2.000 mg/kg
 Method: Calculation method

Acute inhalation toxicity: Acute toxicity estimate : > 5 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: Calculation method

**Components:**

2-phenoxyethanol

Acute oral toxicity: LD50 (Rat, female): 1.840 mg/kg
 Method: OECD Test Guideline 401
Acute inhalation toxicity: Assessment:
 No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity: LD50 (Rat): 14.391 mg/kg

**Components:**

3-(2-ethylhexyloxy)propane-1,2-diol

Acute oral toxicity: LD50 (Rat): > 2.000 mg/kg
 Remarks:
 Information given is based on data obtained from similar substances.

Acute inhalation toxicity: LC50 (Rat): 3,07 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist

Acute dermal toxicity: LD50 (Rat): > 2.000 mg/kg
 Assessment:
 No adverse effect has been observed in acute dermal toxicity tests.

**Skin corrosion/irritation**

Not classified based on available information.

**Components:**

2-phenoxyethanol
Species: Rabbit
Result: No skin irritation

3-(2-ethylhexyloxy)propane-1,2-diol
Species: Rabbit
Result: Slight, transient irritation

**Serious eye damage/eye irritation**Causes serious eye damage.
**Product:**Remarks: May cause irreversible eye damage.

**Components:**

2-phenoxyethanol
Species: Rabbit
Result: Irritating to eyes.

3-(2-ethylhexyloxy)propane-1,2-diol
Species: Rabbit
Result: Corrosive

**Respiratory or skin sensitisation**Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

**Components:**

2-phenoxyethanol
Species: Guinea pig
Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

3-(2-ethylhexyloxy)propane-1,2-diol
Species: Guinea pig
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

**Germ cell mutagenicity**Not classified based on available information.

Components:

2-phenoxyethanol
Genotoxicity in vitro: Test Type: Ames test
 Test species: Salmonella typhimurium
 Metabolic activation: with and without metabolic activation
 Result: negative

3-(2-ethylhexyloxy)propane-1,2-diol
Genotoxicity in vitro: Test Type: Ames test
 Test species: Salmonella typhimurium
 Metabolic activation: with and without metabolic activation
 Result: negative

**Carcinogenicity**Not classified based on available information.

**Reproductive toxicity**Not classified based on available information.

**Components:**2-phenoxyethanol
Effects on foetal development: Test Type: Prenatal
 Species: Rat
 Application Route: Oral
 General Toxicity Maternal: No observed adverse effect level:
 ca. 300 mg/kg bw/day
 Method: OPPTS 870.3700

**STOT - single exposure**Not classified based on available information.

**Components:**3-(2-ethylhexyloxy)propane-1,2-diol
Assessment: May cause respiratory irritation.

**STOT - repeated exposure**Not classified based on available information.

**Repeated dose toxicity
Components:**

2-phenoxyethanol
Species: Rat, male and female
NOAEL: 369 mg/kg
Application Route: Oral
Method: OECD Test Guideline 408

Species: Rabbit, male and female
NOAEL: 500 mg/kg
Application Route: Dermal

**Aspiration toxicity**Not classified based on available information.

**Further information
Product:**

Remarks: No data available

| ECOLOGICAL INFORMATION |
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## 12.1 Toxicity

Components:

2-phenoxyethanolToxicity to fish:

LC50 (Pimephales promelas (fathead minnow)): 337 - 352 mg/l

Exposure time: 96 h

Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Water flea)): > 500 mg/l

Exposure time: 48 h

Test Type: static test

Method: OECD Test Guideline 202

Toxicity to algae:

NOEC (Desmodesmus subspicatus (green algae)): > 500 mg/l

End point: Growth inhibition

Exposure time: 72 h

Test Type: static test

Toxicity to fish (Chronic toxicity):

NOEC: 23 mg/l

Exposure time: 34 d

Species: Pimephales promelas (fathead minnow)

Test Type: flow-through test

Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

NOEC: 9,43 mg/l

Exposure time: 21 d

End point: Reproduction Test

Species: Daphnia (water flea)

Test Type: semi-static test

Method: OECD Test Guideline 211

3-(2-ethylhexyloxy)propane-1,2-diol Ecotoxicology Assessment

Short-term (acute) aquatic hazard: Harmful to aquatic life.

Long-term (chronic) aquatic hazard: Harmful to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

Components:

2-phenoxyethanol Biodegradability:

Result: Readily biodegradable.
 Biodegradation: 99 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301F

## 12.3 Bioaccumulative potential

**Components:**

2-phenoxyethanol Partition coefficient: n-octanol/water:

log Pow: 1,16

3-(2-ethylhexyloxy)propane-1,2-diol Partition coefficient: n-octanol/water:

log Pow: 2,53 (20 °C)

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment:
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

**Components:**

2-phenoxyethanol
Assessment:

This substance is not considered to be persistent, bioaccumulating and toxic (PBT)

This substance is not considered to be very persistent and very bioaccumulating (vPvB)

## 12.6 Other adverse effects

Product:

Additional ecological information: No data available

| DISPOSAL CONSIDERATIONS |
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## Waste Treatment Methods

**Product:**

**Do not dispose of waste into sewer.**

**Do not contaminate ponds, waterways or ditches with chemical or used container.**

**Send to a licensed waste management company.**

**Contaminated packaging:**

**Empty remaining contents.**

**Dispose of as unused product.**

**Empty containers should be taken to an approved waste handling site for recycling or disposal.**

**Do not re-use empty containers.**

| TRANSPORT INFORMATION |
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## 14.1 UN number

ADN: Not dangerous goods
ADR: Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods
INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods
RID: Not dangerous goods

## 14.2 UN proper shipping name

ADN: Not dangerous goods
ADR: Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods
INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods
RID: Not dangerous goods

## 14.3 Transport hazard class(es)

ADN: Not dangerous goods
ADR: Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods
INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods
RID: Not dangerous goods

## 14.4 Packing group

ADN: Not dangerous goods
ADR: Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not dangerous goods
INTERNATIONAL MARITIME DANGEROUS GOODS: Not dangerous goods
RID: Not dangerous goods

## 14.5 Environmental hazards

ADN: Not applicable
ADR: Not applicable
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not applicable
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not applicable
INTERNATIONAL MARITIME DANGEROUS GOODS: Not applicable
RID: Not applicable

## 14.6 Special precautions for user

Not applicable

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship Type: Not applicable
Hazard code(s): Not applicable
Pollutant Category: Not applicable

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

| REGULATORY INFORMATION |
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## Safety, health and environmental regulations / legislation specific for the substance or mixture

**Concern for Authorisation (Article 59).: Not applicable**

**REACH - List of substances subject to authorisation (Annex XIV):Not applicable**

**Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:Not applicable**

**Regulation (EC) No 850/2004 on persistent organic pollutants:Not applicable**

**Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:Not applicable**

**REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):
Conditions of restriction for the following entries should be considered: (3)
 2-phenoxyethanol (3)
 3-(2-ethylhexyloxy)propane-1,2-diol(3)**

**Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.**

**Not applicable**

**Water contaminating class (Germany):
 WGK 1 slightly hazardous to water**

**TA Luft List (Germany):
 Total dust, Not applicable:
 Inorganic substances in powdered form, Not applicable:
 Inorganic substances in vapour or gaseous form, Not applicable:
 Organic Substances, Class 1 90 %:
 Carcinogenic substances, Not applicable:
 Mutagenic, Not applicable:
 Toxic to reproduction, Not applicable**

**The components of this product are reported in the following inventories:**

**TCSI: On the inventory, or in compliance with the inventory**

**TSCA This product is regulated under the United States Food and Drug Act (FDA).**

**AIIC On the inventory, or in compliance with the inventory**

**DSL All components of this product are on the Canadian DSL**

**ENCS On the inventory, or in compliance with the inventory**

**KECI On the inventory, or in compliance with the inventory**

**PICCS On the inventory, or in compliance with the inventory**

**IECSC On the inventory, or in compliance with the inventory**

**NZIoC Not in compliance with the inventory**

**Inventories**

**AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)**

## 15.2 Chemical safety assessment

**No data available**

| OTHER INFORMATION |
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Full text of H-Statements

H302: Harmful if swallowed.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.: Acute toxicity
Aquatic Chronic: Long-term (chronic) aquatic hazard
Eye Dam.: Serious eye damage
Eye Irrit.: Eye irritation
STOT SE: Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -
Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information

:

This sds has been prepared from data supplied by Ashland. (http://www.ashland.com)

Sources of key data used to compile the Safety Data Sheet:

Ashland internal data including own and sponsored test reports

European Union Law with content from the Official Journal of the European Union.

European Chemicals Agency; the EU authority implementing the EU’s chemicals legislation for companies.

The German Water Hazard Classes.

ReachCentrum; a series of support services to help comply with REACH regulations.

The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

Cefic, the European Chemical Industry Council.

ESIS European Chemical Substances Information System

Classification of the mixture: Classification procedure:

Eye Dam. 1 H318 Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.