## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:** SWAN RUST PRIMER (GRAY) - Anticorrosive metal primer
24-071
Calcium Carbonate

CAS: 471-34-1

EC: 207-439-9

Index: Non-applicable

REACH: 01-2119486795-18-XXXX

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

Relevant uses: Painting/varnishing/protection of masonry, iron and wood surfaces.

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Details of the supplier of the safety data sheet:**

EVOCHEM S.A.
Tzaverdella Place
133 41 PHILI , ATTICA - GREECE
Phone.: 0030 210 5590460 , 0030 210 5590155 -
Fax: 0030 210 6254737 , 0030 210 5590244
info@evochem.gr; vmergoupis@evochem.gr;
sales@evochem.gr www.evochem.gr

**1.4 Emergency telephone number:** National Poisoning Center 2107793777

## SECTION 2: HAZARDS IDENTIFICATION **

**2.1 Classification of the substance or mixture:**

**CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
Flam. Liq. 3: Flammable liquids, Category 3, H226

**2.2 Label elements:**

**CLP Regulation (EC) No 1272/2008:**

**Warning**

**Hazard statements:**

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects
Flam. Liq. 3: H226 - Flammable liquid and vapour

**Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233: Keep container tightly closed
P280: Wear protective gloves/protective clothing/eye protection/face protection
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool
P501: Dispose of contents/container according to the separated collection system used in your municipality

**Supplementary information:**

EUH208: Contains Butanone oxime, Cobalt bis(2-ethylhexanoate). May produce an allergic reaction

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria

*** Changes with regards to the previous version*

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:**

**Chemical description:** Mixture composed of additives, pigments and resins in solvents

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | | Concentration |
|---|---|---|---|
| CAS: 471-34-1<br>EC: 207-439-9<br>Index: Non-applicable<br>REACH 01-2119486795-18-XXXX | **Calcium Carbonate**(1) | Not classified | **24 - <50 %** |
| | Regulation 1272/2008 | | |
| CAS: 64742-88-7<br>EC: 265-191-7<br>Index: 649-405-00-X<br>REACH 01-2119537181-47-XXXX | **Solvent naphtha (petroleum), medium aliph.**(2) | Self-classified | **9,9 - <19 %** |
| | Regulation 1272/2008 | Aerosol 3: H229; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; EUH066 - Danger | |
| CAS: 7779-90-0<br>EC: 231-944-3<br>Index: Non-applicable<br>REACH 01-2119485044-40-XXXX | **trizinc bis(orthophosphate)**(2) | ATP CLP00 | **0,9 - <2,4 %** |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning | |
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH 01-2119488216-32-XXXX | **Xylene**(3) | ATP CLP00 | **0,24 - <0,9 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning | |
| CAS: 95-63-6<br>EC: 202-436-9<br>Index: 601-043-00-3<br>REACH 01-2119472135-42-XXXX | **1,2,4-trimethylbenzene**(3) | ATP CLP00 | **0,24 - <0,9 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H332; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning | |
| CAS: 96-29-7<br>EC: 202-496-6<br>Index: 616-014-00-0<br>REACH 01-2119539477-28-XXXX | **Butanone oxime**(2) | ATP CLP00 | **0,24 - <0,9 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H312; Carc. 2: H351; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger | |
| CAS: 22464-99-9<br>EC: 245-018-1<br>Index: Non-applicable<br>REACH 01-2119979088-21-XXXX | **2-ethylhexanoic acid, zirconium salt**(2) | Self-classified | **0,24 - <0,9 %** |
| | Regulation 1272/2008 | Repr. 2: H361d - Warning | |
| CAS: 108-67-8<br>EC: 203-604-4<br>Index: 601-025-00-5<br>REACH 01-2120738996-34-XXXX | **Mesitylene**(3) | ATP CLP00 | **0,09 - <0,24 %** |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411; Flam. Liq. 3: H226; STOT SE 3: H335 - Warning | |
| CAS: 111-76-2<br>EC: 203-905-0<br>Index: 603-014-00-0<br>REACH 01-2119475108-36-XXXX | **2-butoxyethanol**(3) | ATP CLP00 | **0,09 - <0,24 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning | |
| CAS: 64742-88-7<br>EC: 265-191-7<br>Index: 649-405-00-X<br>REACH 01-2119537181-47-XXXX | **Solvent naphtha (petroleum), medium aliph.**(3) | ATP ATP05 | **<0,09 %** |
| | Regulation 1272/2008 | Asp. Tox. 1: H304; STOT RE 1: H372 - Danger | |
| CAS: 136-52-7<br>EC: 205-250-6<br>Index: Non-applicable<br>REACH 01-2119524678-29-XXXX | **Cobalt bis(2-ethylhexanoate)**(2) | Self-classified | **<0,09 %** |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 2: H361; Skin Sens. 1A: H317 - Warning | |
| CAS: 100-41-4<br>EC: 202-849-4<br>Index: 601-023-00-4<br>REACH 01-2119489370-35-XXXX | **Ethylbenzene**(3) | ATP ATP06 | **<0,09 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger | |

(1) Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830
(2) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830
(3) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 8, 11, 12, 15 and 16.

**3.2 Mixture:**

Non-applicable

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

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## SECTION 4: FIRST AID MEASURES (continued)

**By inhalation:**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Non-applicable

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers ($CO_2$). IT IS RECOMMENDED NOT to use tap water as an extinguishing agent.

**5.2 Special hazards arising from the substance or mixture:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

**6.4 Reference to other sections:**

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 94/9/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Minimum Temp.: 5 ºC

Maximum Temp.: 35 ºC

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the work environment

| Identification | Environmental limits | | |
|---|---|---|---|
| Solvent naphtha (petroleum), medium aliph. | IOELV (8h) | | |
| CAS: 64742-88-7 | IOELV (STEL) | | |
| EC: 265-191-7 | Year | 2018 | |
| Xylene | IOELV (8h) | 50 ppm | 221 mg/m³ |
| CAS: 1330-20-7 | IOELV (STEL) | 100 ppm | 442 mg/m³ |
| EC: 215-535-7 | Year | 2018 | |
| 1,2,4-trimethylbenzene | IOELV (8h) | 20 ppm | 100 mg/m³ |
| CAS: 95-63-6 | IOELV (STEL) | | |
| EC: 202-436-9 | Year | 2018 | |
| Mesitylene | IOELV (8h) | 20 ppm | 100 mg/m³ |
| CAS: 108-67-8 | IOELV (STEL) | | |
| EC: 203-604-4 | Year | 2018 | |
| 2-butoxyethanol | IOELV (8h) | 20 ppm | 98 mg/m³ |
| CAS: 111-76-2 | IOELV (STEL) | 50 ppm | 246 mg/m³ |
| EC: 203-905-0 | Year | 2018 | |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | Environmental limits | | |
|---|---|---|---|
| Solvent naphtha (petroleum), medium aliph. | IOELV (8h) | | |
| CAS: 64742-88-7 | IOELV (STEL) | | |
| EC: 265-191-7 | Year | 2018 | |
| Ethylbenzene | IOELV (8h) | 100 ppm | 442 mg/m³ |
| CAS: 100-41-4 | IOELV (STEL) | 200 ppm | 884 mg/m³ |
| EC: 202-849-4 | Year | 2018 | |

**DNEL (Workers):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| Calcium Carbonate | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 471-34-1 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 207-439-9 | Inhalation | Non-applicable | Non-applicable | 10 mg/m³ | Non-applicable |
| trizinc bis(orthophosphate) | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 7779-90-0 | Dermal | Non-applicable | Non-applicable | 83 mg/kg | Non-applicable |
| EC: 231-944-3 | Inhalation | Non-applicable | Non-applicable | 5 mg/m³ | Non-applicable |
| Xylene | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 1330-20-7 | Dermal | Non-applicable | Non-applicable | 180 mg/kg | Non-applicable |
| EC: 215-535-7 | Inhalation | 289 mg/m³ | 289 mg/m³ | 77 mg/m³ | Non-applicable |
| 1,2,4-trimethylbenzene | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 95-63-6 | Dermal | Non-applicable | Non-applicable | 16171 mg/kg | Non-applicable |
| EC: 202-436-9 | Inhalation | 100 mg/m³ | 100 mg/m³ | 100 mg/m³ | 100 mg/m³ |
| Butanone oxime | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 96-29-7 | Dermal | 2,5 mg/kg | Non-applicable | 1,3 mg/kg | Non-applicable |
| EC: 202-496-6 | Inhalation | Non-applicable | Non-applicable | 9 mg/m³ | 3,33 mg/m³ |
| 2-ethylhexanoic acid, zirconium salt | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 22464-99-9 | Dermal | Non-applicable | Non-applicable | 15,75 mg/kg | Non-applicable |
| EC: 245-018-1 | Inhalation | Non-applicable | Non-applicable | 5 mg/m³ | Non-applicable |
| Mesitylene | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 108-67-8 | Dermal | Non-applicable | Non-applicable | 16171 mg/kg | Non-applicable |
| EC: 203-604-4 | Inhalation | 100 mg/m³ | 100 mg/m³ | 100 mg/m³ | 100 mg/m³ |
| 2-butoxyethanol | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 111-76-2 | Dermal | 89 mg/kg | Non-applicable | 75 mg/kg | Non-applicable |
| EC: 203-905-0 | Inhalation | 663 mg/m³ | 246 mg/m³ | 98 mg/m³ | Non-applicable |
| Cobalt bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 136-52-7 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 205-250-6 | Inhalation | Non-applicable | Non-applicable | Non-applicable | 0,2351 mg/m³ |
| Ethylbenzene | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 100-41-4 | Dermal | Non-applicable | Non-applicable | 180 mg/kg | Non-applicable |
| EC: 202-849-4 | Inhalation | Non-applicable | 293 mg/m³ | 77 mg/m³ | Non-applicable |

**DNEL (General population):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| Calcium Carbonate | Oral | 6,1 mg/kg | Non-applicable | 6,1 mg/kg | Non-applicable |
| CAS: 471-34-1 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 207-439-9 | Inhalation | Non-applicable | Non-applicable | 10 mg/m³ | Non-applicable |
| trizinc bis(orthophosphate) | Oral | Non-applicable | Non-applicable | 0,83 mg/kg | Non-applicable |
| CAS: 7779-90-0 | Dermal | Non-applicable | Non-applicable | 83 mg/kg | Non-applicable |
| EC: 231-944-3 | Inhalation | Non-applicable | Non-applicable | 2,5 mg/m³ | Non-applicable |
| Xylene | Oral | Non-applicable | Non-applicable | 1,6 mg/kg | Non-applicable |
| CAS: 1330-20-7 | Dermal | Non-applicable | Non-applicable | 108 mg/kg | Non-applicable |
| EC: 215-535-7 | Inhalation | Non-applicable | Non-applicable | 14,8 mg/m³ | Non-applicable |
| 1,2,4-trimethylbenzene | Oral | Non-applicable | Non-applicable | 15 mg/kg | Non-applicable |
| CAS: 95-63-6 | Dermal | Non-applicable | Non-applicable | 9512 mg/kg | Non-applicable |
| EC: 202-436-9 | Inhalation | 29,4 mg/m³ | 29,4 mg/m³ | 29,4 mg/m³ | 29,4 mg/m³ |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| Butanone oxime | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 96-29-7 | Dermal | 1,5 mg/kg | Non-applicable | 0,78 mg/kg | Non-applicable |
| EC: 202-496-6 | Inhalation | Non-applicable | Non-applicable | 2,7 mg/m³ | 2 mg/m³ |
| 2-ethylhexanoic acid, zirconium salt | Oral | Non-applicable | Non-applicable | 7,9 mg/kg | Non-applicable |
| CAS: 22464-99-9 | Dermal | Non-applicable | Non-applicable | 7,9 mg/kg | Non-applicable |
| EC: 245-018-1 | Inhalation | Non-applicable | Non-applicable | 2,5 mg/m³ | Non-applicable |
| Mesitylene | Oral | Non-applicable | Non-applicable | 15 mg/kg | Non-applicable |
| CAS: 108-67-8 | Dermal | Non-applicable | Non-applicable | 9512 mg/kg | Non-applicable |
| EC: 203-604-4 | Inhalation | 29,4 mg/m³ | 29,4 mg/m³ | 29,4 mg/m³ | 29,4 mg/m³ |
| 2-butoxyethanol | Oral | 13,4 mg/kg | Non-applicable | 3,2 mg/kg | Non-applicable |
| CAS: 111-76-2 | Dermal | 44,5 mg/kg | Non-applicable | 38 mg/kg | Non-applicable |
| EC: 203-905-0 | Inhalation | 426 mg/m³ | 123 mg/m³ | 49 mg/m³ | Non-applicable |
| Cobalt bis(2-ethylhexanoate) | Oral | Non-applicable | Non-applicable | 0,0558 mg/kg | Non-applicable |
| CAS: 136-52-7 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 205-250-6 | Inhalation | Non-applicable | Non-applicable | Non-applicable | 0,037 mg/m³ |
| Ethylbenzene | Oral | Non-applicable | Non-applicable | 1,6 mg/kg | Non-applicable |
| CAS: 100-41-4 | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| EC: 202-849-4 | Inhalation | Non-applicable | Non-applicable | 15 mg/m³ | Non-applicable |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| Calcium Carbonate | STP | 100 mg/L | Fresh water | Non-applicable |
| CAS: 471-34-1 | Soil | Non-applicable | Marine water | Non-applicable |
| EC: 207-439-9 | Intermittent | Non-applicable | Sediment (Fresh water) | Non-applicable |
| | Oral | Non-applicable | Sediment (Marine water) | Non-applicable |
| trizinc bis(orthophosphate) | STP | 0,1 mg/L | Fresh water | 0,0206 mg/L |
| CAS: 7779-90-0 | Soil | 35,6 mg/kg | Marine water | 0,0061 mg/L |
| EC: 231-944-3 | Intermittent | Non-applicable | Sediment (Fresh water) | 117,8 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 56,5 mg/kg |
| Xylene | STP | 6,58 mg/L | Fresh water | 0,327 mg/L |
| CAS: 1330-20-7 | Soil | 2,31 mg/kg | Marine water | 0,327 mg/L |
| EC: 215-535-7 | Intermittent | 0,327 mg/L | Sediment (Fresh water) | 12,46 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 12,46 mg/kg |
| 1,2,4-trimethylbenzene | STP | 2,41 mg/L | Fresh water | 0,12 mg/L |
| CAS: 95-63-6 | Soil | 2,34 mg/kg | Marine water | 0,12 mg/L |
| EC: 202-436-9 | Intermittent | 0,12 mg/L | Sediment (Fresh water) | 13,56 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 13,56 mg/kg |
| Butanone oxime | STP | 177 mg/L | Fresh water | 0,256 mg/L |
| CAS: 96-29-7 | Soil | Non-applicable | Marine water | Non-applicable |
| EC: 202-496-6 | Intermittent | 0,118 mg/L | Sediment (Fresh water) | Non-applicable |
| | Oral | Non-applicable | Sediment (Marine water) | Non-applicable |
| 2-ethylhexanoic acid, zirconium salt | STP | 71,7 mg/L | Fresh water | 0,36 mg/L |
| CAS: 22464-99-9 | Soil | 1,06 mg/kg | Marine water | 0,036 mg/L |
| EC: 245-018-1 | Intermittent | 0,493 mg/L | Sediment (Fresh water) | 6,37 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,637 mg/kg |
| Mesitylene | STP | 2,02 mg/L | Fresh water | 0,101 mg/L |
| CAS: 108-67-8 | Soil | 1,34 mg/kg | Marine water | 0,101 mg/L |
| EC: 203-604-4 | Intermittent | 0,101 mg/L | Sediment (Fresh water) | 7,86 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 7,86 mg/kg |
| 2-butoxyethanol | STP | 463 mg/L | Fresh water | 8,8 mg/L |
| CAS: 111-76-2 | Soil | 3,13 mg/kg | Marine water | 0,88 mg/L |
| EC: 203-905-0 | Intermittent | 9,1 mg/L | Sediment (Fresh water) | 34,6 mg/kg |
| | Oral | 20 g/kg | Sediment (Marine water) | Non-applicable |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|---|---|---|---|---|
| Cobalt bis(2-ethylhexanoate)<br>CAS: 136-52-7<br>EC: 205-250-6 | STP | 0,37 mg/L | Fresh water | 0,00051 mg/L |
| | Soil | 7,9 mg/kg | Marine water | 0,00236 mg/L |
| | Intermittent | Non-applicable | Sediment (Fresh water) | 9,5 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 9,5 mg/kg |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4 | STP | 9,6 mg/L | Fresh water | 0,1 mg/L |
| | Soil | 2,68 mg/kg | Marine water | 0,01 mg/L |
| | Intermittent | 0,1 mg/L | Sediment (Fresh water) | 13,7 mg/kg |
| | Oral | 20 g/kg | Sediment (Marine water) | 1,37 mg/kg |

**8.2 Exposure controls:**

A.- General security and hygiene measures in the work place

If product is used at the concentration dosing conditions specified in the relevant instructions for use (section 15), personal protective equipment described in section 8.2 for UNDILUTED products will not be required.

Safe handling recommendations for undiluted product:

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.
All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory hand protection | NON-disposable chemical protective gloves | CE CAT III | EN 374-1:2003<br>EN 374-3:2003/AC:2006<br>EN 420:2003+A1:2009 | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. |

D.- Ocular and facial protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory face protection | Face mask | CE CAT II | EN 166:2001<br>EN 167:2001<br>EN 168:2001<br>EN ISO 4007:2012 | Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. |

E.- Body protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | CE CAT III | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2001<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer´s instructions. |
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties | CE CAT III | EN 13287:2008<br>EN ISO 20345:2011<br>EN 13832-1:2006 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|---|---|
|  Emergency shower | ANSI Z358-1<br>ISO 3864-1:2002 |  Eyewash stations | DIN 12 899<br>ISO 3864-1:2002 |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---|---|
| V.O.C. (Supply): | 22,63 % weight |
| V.O.C. density at 20 ºC: | 346,53 kg/m³ (346,53 g/L) |
| Average carbon number: | 10,43 |
| Average molecular weight: | 156,39 g/mol |

With regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:

| | |
|---|---|
| V.O.C. density at 20 ºC: | 369,27 kg/m³ (369,27 g/L) |
| EU limit for the product (Cat. A.I): | 500 g/L (2010) |
| Components: | 24-041 - 5 % v/v |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

| | |
|---|---|
| Physical state at 20 ºC: | Liquid |
| Appearance: | Fluid |
| Colour: | Grey |
| Odour: | Characteristic |
| Odour threshold: | Non-applicable * |

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | 162 ºC |
| Vapour pressure at 20 ºC: | 339 Pa |
| Vapour pressure at 50 ºC: | 2228 Pa (2 kPa) |
| Evaporation rate at 20 ºC: | Non-applicable * |

**Product description:**

| | |
|---|---|
| Density at 20 ºC: | 1531 kg/m³ |
| Relative density at 20 ºC: | 1,531 |
| Dynamic viscosity at 20 ºC: | 1000 - 2000 cP |
| Kinematic viscosity at 20 ºC: | Non-applicable * |
| Kinematic viscosity at 40 ºC: | Non-applicable * |
| Concentration: | 1570 g/L (active ingredient) |
| pH: | Non-applicable * |
| Vapour density at 20 ºC: | Non-applicable * |
| Partition coefficient n-octanol/water 20 ºC: | Non-applicable * |
| Solubility in water at 20 ºC: | Non-applicable * |
| Solubility properties: | Non-applicable * |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |
| Explosive properties: | Non-applicable * |
| Oxidising properties: | Non-applicable * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

**Flammability:**

| | |
|---|---|
| Flash Point: | 41 ºC |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 230 ºC |
| Lower flammability limit: | Not available |
| Upper flammability limit: | Not available |

**Explosive:**

| | |
|---|---|
| Lower explosive limit: | Non-applicable * |
| Upper explosive limit: | Non-applicable * |

**9.2 Other information:**

| | |
|---|---|
| Surface tension at 20 ºC: | Non-applicable * |
| Refraction index: | Non-applicable * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|---|---|---|---|---|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids | Water | Combustive materials | Combustible materials | Others |
|---|---|---|---|---|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| Solvent naphtha (petroleum), medium aliph. | LD50 oral | 5100 mg/kg | Rat |
| CAS: 64742-88-7 | LD50 dermal | Non-applicable | |
| EC: 265-191-7 | LC50 inhalation | Non-applicable | |
| Calcium Carbonate | LD50 oral | 6450 mg/kg | Rat |
| CAS: 471-34-1 | LD50 dermal | Non-applicable | |
| EC: 207-439-9 | LC50 inhalation | Non-applicable | |
| Xylene | LD50 oral | 2100 mg/kg | Rat |
| CAS: 1330-20-7 | LD50 dermal | 1100 mg/kg | Rat |
| EC: 215-535-7 | LC50 inhalation | Non-applicable | |
| 1,2,4-trimethylbenzene | LD50 oral | 3400 mg/kg | Rat |
| CAS: 95-63-6 | LD50 dermal | 3160 mg/kg | Rabbit |
| EC: 202-436-9 | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Butanone oxime | LD50 oral | 2100 mg/kg | Rat |
| CAS: 96-29-7 | LD50 dermal | 1100 mg/kg | Rat |
| EC: 202-496-6 | LC50 inhalation | Non-applicable | |
| 2-ethylhexanoic acid, zirconium salt | LD50 oral | 2043 mg/kg | Rat |
| CAS: 22464-99-9 | LD50 dermal | Non-applicable | |
| EC: 245-018-1 | LC50 inhalation | Non-applicable | |

- CONTINUED ON NEXT PAGE -

## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| Mesitylene | LD50 oral | 6000 mg/kg | Rat |
| CAS: 108-67-8 | LD50 dermal | Non-applicable | |
| EC: 203-604-4 | LC50 inhalation | Non-applicable | |
| 2-butoxyethanol | LD50 oral | 1414 mg/kg | Rat |
| CAS: 111-76-2 | LD50 dermal | 1060 mg/kg | Rabbit |
| EC: 203-905-0 | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Solvent naphtha (petroleum), medium aliph. | LD50 oral | 5100 mg/kg | Rat |
| CAS: 64742-88-7 | LD50 dermal | Non-applicable | |
| EC: 265-191-7 | LC50 inhalation | Non-applicable | |
| Ethylbenzene | LD50 oral | 3500 mg/kg | Rat |
| CAS: 100-41-4 | LD50 dermal | 15354 mg/kg | Rabbit |
| EC: 202-849-4 | LC50 inhalation | 17,2 mg/L (4 h) | Rat |

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Toxicity:**

| Identification | Acute toxicity | | Species | Genus |
|---|---|---|---|---|
| Calcium Carbonate | LC50 | 56000 mg/L (96 h) | Gambussia afinis | Fish |
| CAS: 471-34-1 | EC50 | Non-applicable | | |
| EC: 207-439-9 | EC50 | Non-applicable | | |
| Solvent naphtha (petroleum), medium aliph. | LC50 | 1 - 10 mg/L (96 h) | | Fish |
| CAS: 64742-88-7 | EC50 | 1 - 10 mg/L | | Crustacean |
| EC: 265-191-7 | EC50 | 1 - 10 mg/L | | Algae |
| trizinc bis(orthophosphate) | LC50 | 0.1 - 1 mg/L (96 h) | | Fish |
| CAS: 7779-90-0 | EC50 | 0.1 - 1 mg/L | | Crustacean |
| EC: 231-944-3 | EC50 | 0.1 - 1 mg/L | | Algae |
| Xylene | LC50 | 13.5 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 1330-20-7 | EC50 | 3.4 mg/L (48 h) | Ceriodaphnia dubia | Crustacean |
| EC: 215-535-7 | EC50 | 10 mg/L (72 h) | Skeletonema costatum | Algae |
| 1,2,4-trimethylbenzene | LC50 | 7.72 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 95-63-6 | EC50 | 6.14 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 202-436-9 | EC50 | Non-applicable | | |
| Butanone oxime | LC50 | 843 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 96-29-7 | EC50 | 750 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 202-496-6 | EC50 | 83 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| 2-ethylhexanoic acid, zirconium salt | LC50 | 270 mg/L (96 h) | N/A | Fish |
| CAS: 22464-99-9 | EC50 | Non-applicable | | |
| EC: 245-018-1 | EC50 | Non-applicable | | |
| Mesitylene | LC50 | 12.5 mg/L (96 h) | Carassius auratus | Fish |
| CAS: 108-67-8 | EC50 | 50 mg/L (24 h) | Daphnia magna | Crustacean |
| EC: 203-604-4 | EC50 | 53 mg/L (48 h) | Scenedesmus subspicatus | Algae |
| 2-butoxyethanol | LC50 | 1490 mg/L (96 h) | Lepomis macrochirus | Fish |
| CAS: 111-76-2 | EC50 | 1815 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-905-0 | EC50 | 911 mg/L (72 h) | Pseudokirchneriella subcapitata | Algae |
| Solvent naphtha (petroleum), medium aliph. | LC50 | 800 mg/L (96 h) | Salmo gairdneri | Fish |
| CAS: 64742-88-7 | EC50 | 100 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 265-191-7 | EC50 | 450 mg/L (96 h) | Selenastrum capricornutum | Algae |
| Cobalt bis(2-ethylhexanoate) | LC50 | 0.1 - 1 mg/L (96 h) | | Fish |
| CAS: 136-52-7 | EC50 | 0.1 - 1 mg/L | | Crustacean |
| EC: 205-250-6 | EC50 | 0.1 - 1 mg/L | | Algae |
| Ethylbenzene | LC50 | 42.3 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 100-41-4 | EC50 | 75 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 202-849-4 | EC50 | 63 mg/L (3 h) | Chlorella vulgaris | Algae |

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

### 12.2 Persistence and degradability:

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| Xylene | BOD5 | Non-applicable | Concentration | Non-applicable |
| CAS: 1330-20-7 | COD | Non-applicable | Period | 28 days |
| EC: 215-535-7 | BOD5/COD | Non-applicable | % Biodegradable | 88 % |
| 1,2,4-trimethylbenzene | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 95-63-6 | COD | Non-applicable | Period | 28 days |
| EC: 202-436-9 | BOD5/COD | 0.43 | % Biodegradable | 18 % |
| Butanone oxime | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 96-29-7 | COD | Non-applicable | Period | 28 days |
| EC: 202-496-6 | BOD5/COD | Non-applicable | % Biodegradable | 24 % |
| 2-ethylhexanoic acid, zirconium salt | BOD5 | Non-applicable | Concentration | 20 mg/L |
| CAS: 22464-99-9 | COD | Non-applicable | Period | 28 days |
| EC: 245-018-1 | BOD5/COD | Non-applicable | % Biodegradable | 99 % |
| Mesitylene | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 108-67-8 | COD | Non-applicable | Period | 14 days |
| EC: 203-604-4 | BOD5/COD | Non-applicable | % Biodegradable | 0 % |
| 2-butoxyethanol | BOD5 | 0.71 g O2/g | Concentration | 100 mg/L |
| CAS: 111-76-2 | COD | 2.2 g O2/g | Period | 14 days |
| EC: 203-905-0 | BOD5/COD | 0.32 | % Biodegradable | 96 % |
| Ethylbenzene | BOD5 | Non-applicable | Concentration | 100 mg/L |
| CAS: 100-41-4 | COD | Non-applicable | Period | 14 days |
| EC: 202-849-4 | BOD5/COD | Non-applicable | % Biodegradable | 90 % |

### 12.3 Bioaccumulative potential:

| Identification | Bioaccumulation potential | |
|---|---|---|
| Solvent naphtha (petroleum), medium aliph. | BCF | |
| CAS: 64742-88-7 | Pow Log | 4.6 |
| EC: 265-191-7 | Potential | |
| Xylene | BCF | 9 |
| CAS: 1330-20-7 | Pow Log | 2.77 |
| EC: 215-535-7 | Potential | Low |
| 1,2,4-trimethylbenzene | BCF | 154 |
| CAS: 95-63-6 | Pow Log | 3.78 |
| EC: 202-436-9 | Potential | High |
| Butanone oxime | BCF | 5 |
| CAS: 96-29-7 | Pow Log | 0.59 |
| EC: 202-496-6 | Potential | Low |
| 2-ethylhexanoic acid, zirconium salt | BCF | |
| CAS: 22464-99-9 | Pow Log | 2.96 |
| EC: 245-018-1 | Potential | |
| Mesitylene | BCF | 182 |
| CAS: 108-67-8 | Pow Log | 3.42 |
| EC: 203-604-4 | Potential | High |
| 2-butoxyethanol | BCF | 3 |
| CAS: 111-76-2 | Pow Log | 0.83 |
| EC: 203-905-0 | Potential | Low |
| Solvent naphtha (petroleum), medium aliph. | BCF | |
| CAS: 64742-88-7 | Pow Log | 4.6 |
| EC: 265-191-7 | Potential | |
| Ethylbenzene | BCF | 1 |
| CAS: 100-41-4 | Pow Log | 3.15 |
| EC: 202-849-4 | Potential | Low |

### 12.4 Mobility in soil:

- CONTINUED ON NEXT PAGE -

## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| Xylene | Koc | 202 | Henry | 524,86 Pa·m³/mol |
| CAS: 1330-20-7 | Conclusion | Moderate | Dry soil | Yes |
| EC: 215-535-7 | Surface tension | Non-applicable | Moist soil | Yes |
| 1,2,4-trimethylbenzene | Koc | 537 | Henry | 624,16 Pa·m³/mol |
| CAS: 95-63-6 | Conclusion | Low | Dry soil | Yes |
| EC: 202-436-9 | Surface tension | 2,919E-2 N/m (25 ºC) | Moist soil | Yes |
| Butanone oxime | Koc | 3 | Henry | Non-applicable |
| CAS: 96-29-7 | Conclusion | Very High | Dry soil | Non-applicable |
| EC: 202-496-6 | Surface tension | 2,57E-2 N/m (25 ºC) | Moist soil | Non-applicable |
| 2-ethylhexanoic acid, zirconium salt | Koc | Non-applicable | Henry | 2,94E-1 Pa·m³/mol |
| CAS: 22464-99-9 | Conclusion | Non-applicable | Dry soil | Yes |
| EC: 245-018-1 | Surface tension | Non-applicable | Moist soil | Yes |
| Mesitylene | Koc | 1445 | Henry | 888,62 Pa·m³/mol |
| CAS: 108-67-8 | Conclusion | Low | Dry soil | Yes |
| EC: 203-604-4 | Surface tension | 2,805E-2 N/m (25 ºC) | Moist soil | Yes |
| 2-butoxyethanol | Koc | 8 | Henry | 1,621E-1 Pa·m³/mol |
| CAS: 111-76-2 | Conclusion | Very High | Dry soil | No |
| EC: 203-905-0 | Surface tension | 2,729E-2 N/m (25 ºC) | Moist soil | Yes |
| Ethylbenzene | Koc | 520 | Henry | 798,44 Pa·m³/mol |
| CAS: 100-41-4 | Conclusion | Moderate | Dry soil | Yes |
| EC: 202-849-4 | Surface tension | 2,859E-2 N/m (25 ºC) | Moist soil | Yes |

**12.5 Results of PBT and vPvB assessment:**

Product fails to meet PBT/vPvB criteria

**12.6 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|---|---|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Dangerous |

**Type of waste (Regulation (EU) No 1357/2014):**

HP14 Ecotoxic, HP3 Flammable

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

## SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to ADR 2017 and RID 2017:

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## SECTION 14: TRANSPORT INFORMATION (continued)

| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | III |
| **14.5** | **Environmental hazards:** | Yes |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | 163, 367, 640E, 650 |
| | Tunnel restriction code: | D/E |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| **14.7** | **Transport in bulk according to Annex II of Marpol and the IBC Code:** | Non-applicable |

**Transport of dangerous goods by sea:**

With regard to IMDG 38-16:

| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | III |
| **14.5** | **Environmental hazards:** | Yes |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | 223, 955, 163, 367 |
| | EmS Codes: | F-E, S-E |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| **14.7** | **Transport in bulk according to Annex II of Marpol and the IBC Code:** | Non-applicable |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2017:

| | | |
|---|---|---|
| **14.1** | **UN number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | III |
| **14.5** | **Environmental hazards:** | Yes |
| **14.6** | **Special precautions for user** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Transport in bulk according to Annex II of Marpol and the IBC Code:** | Non-applicable |

## SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

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## SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
— metallic glitter intended mainly for decoration,
— artificial snow and frost,
— "whoopee" cushions,
— silly string aerosols,
— imitation excrement,
— horns for parties,
— decorative flakes and foams,
— artificial cobwebs,
— stink bombs.
Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
'For professional users only'.
Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Relevant instructions for use:**

Thin 5% with Mercola White Spirit

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**
This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**
CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
· Supplementary information

**Texts of the legislative phrases mentioned in section 2:**
H411: Toxic to aquatic life with long lasting effects
H226: Flammable liquid and vapour

**Texts of the legislative phrases mentioned in section 3:**
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**



- CONTINUED ON NEXT PAGE -

## SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
Acute Tox. 4: H312 - Harmful in contact with skin
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled
Acute Tox. 4: H332 - Harmful if inhaled
Aerosol 3: H229 - Pressurised container: May burst if heated
Aquatic Acute 1: H400 - Very toxic to aquatic life
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways
Carc. 2: H351 - Suspected of causing cancer
Eye Dam. 1: H318 - Causes serious eye damage
Eye Irrit. 2: H319 - Causes serious eye irritation
Flam. Liq. 2: H225 - Highly flammable liquid and vapour
Flam. Liq. 3: H226 - Flammable liquid and vapour
Repr. 2: H361 - Suspected of damaging fertility or the unborn child
Repr. 2: H361d - Suspected of damaging the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation
Skin Sens. 1: H317 - May cause an allergic skin reaction
Skin Sens. 1A: H317 - May cause an allergic skin reaction
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure
STOT SE 3: H335 - May cause respiratory irritation

**Advice related to training:**

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

http://echa.europa.eu
http://eur-lex.europa.eu

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol–water partition coefficient
Koc: Partition coefficient of organic carbon



- END OF SAFETY DATA SHEET -