

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

04R4250A6000MOV-Oropal 1k ZP Primer / Finish Matt Black

OROPAL
INDUSTRIAL & DECORATIVE PAINTS SINCE 1923

Version: 54
Revision date: 27/01/2020

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SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: Oropal 1k ZP Primer / Finish Matt Black
Product Code: 04R4250A6000MOV

1.2 Relevant identified uses of the mixture and uses advised against.

Coating material for different surfaces

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **Industrias Químicas Irurena, S.A.**
Address: Ctra. de Tolosa, s/nº. Apdo. 30
City: 20730 Azpeitia
Province: Gipuzkoa
Telephone: 943 15 70 99
Fax: 943 81 09 11
E-mail: irurena@irurenagroup.com
Web: <http://www.irurenagroup.com>

1.4 Emergency telephone number: 915 620 420 (Inst.Toxicologia) (Available 24 hours)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

Eye Irrit. 2 : Causes serious eye irritation.
Flam. Liq. 3 : Flammable liquid and vapour.
Repr. 2 : Suspected of damaging fertility or the unborn child.
STOT RE 2 : May cause damage to organs through prolonged or repeated exposure.
Skin Irrit. 2 : Causes skin irritation.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



Signal Word:

Warning

H statements:

| | |
|-------|--|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

P statements:

| | |
|------|--|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |

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| | |
|-----------|--|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P370+P378 | In case of fire: Use extinguisher powder or CO2 to extinguish. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents/container according to local regulations |

EUH statements:

EUH208 Contains 2-butanone oxime,ethyl methyl ketone oxime,ethyl methyl ketoxime. May produce an allergic reaction.
Restricted to professional users.

Contains:
toluene

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

| Identifiers | Name | Concentrate | (*)Classification - Regulation (EC) No 1272/2008 | |
|---|-------------------------------------|-------------|--|------------------------------|
| | | | Classification | specific concentration limit |
| Index No: 601-022-00-9 CAS No: 1330-20-7 EC No: 215-535-7 Registration No: 01-2119488216-32-XXXX | [1] xylene (Mixture of isomers) | 10 - 25 % | Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 | - |
| Index No: 601-021-00-3 CAS No: 108-88-3 EC No: 203-625-9 Registration No: 01-2119471310-51-XXXX | [1] toluene | 10 - 20 % | Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - Repr. 2, H361d *** - STOT RE 2 *, H373 ** - STOT SE 3, H336 - Skin Irrit. 2, H315 | - |
| Index No: 601-023-00-4 CAS No: 100-41-4 EC No: 202-849-4 Registration No: 01-2119489370-35-XXXX | [1] ethylbenzene | 1 - 10 % | Acute Tox. 4 *, H332 - Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - STOT RE 2, H373(órganos de audición) | - |
| Index No: 603-108-00-1 CAS No: 78-83-1 EC No: 201-148-0 Registration No: 01-2119484609-23-XXXX | [1] 2-methylpropan-1-ol,iso-butanol | 1 - 3 % | Eye Dam. 1, H318 - Flam. Liq. 3, H226 - STOT SE 3, H335 - STOT SE 3, H336 - Skin Irrit. 2, H315 | - |

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| | | | | |
|--|---|-----------|---|---|
| Index No: 607-230-00-6 CAS No: 149-57-5 EC No: 205-743-6 Registration No: 01-2119488942-23-XXXX | 2-ethylhexanoic acid | 0.1 - 3 % | Repr. 2, H361d *** | - |
| Index No: 616-014-00-0 CAS No: 96-29-7 EC No: 202-496-6 Registration No: 01-2119539477-28-XXXX | 2-butanone oxime, ethyl methyl ketone oxime, ethyl methyl ketoxime | 0.1 - 1 % | Acute Tox. 4 *, H312 - Carc. 2, H351 - Eye Dam. 1, H318 - Skin Sens. 1, H317 | - |

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

* ** *** See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a Community workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

IRRITANT PREPARATION. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

Long-term chronic exposure may result in injury to certain organs or tissues.

4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

SECTION 5: FIREFIGHTING MEASURES.

Flammable product, the necessary prevention measures should be taken in order to avoid risks. In case of fire, the following measures are recommended:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

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Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 1 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from

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oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.
Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III):

| Code | Description | Qualifying quantity (tonnes) for the application of | |
|------|-------------------|---|-------------------------|
| | | Lower-tier requirements | Upper-tier requirements |
| P5c | FLAMMABLE LIQUIDS | 5.000 | 50.000 |

7.3 Specific end use(s).

To be used within industrial facilities only

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

| Name | CAS No. | Country | Limit value | ppm | mg/m ³ |
|-----------------------------|-----------|------------------------------|--------------------|--|-------------------|
| xylene (Mixture of isomers) | 1330-20-7 | European Union [1] | Eight hours | 50 (skin) | 221 (skin) |
| | | | Short term | 100 (skin) | 442 (skin) |
| | | United Kingdom [2] | Eight hours | 50 | 220 |
| | | | Short term | 100 | 441 |
| | | United States [3] (Cal/OSHA) | Eight hours | 100 | |
| | | | Short term | 150 (Ceiling) 300 | |
| | | United States [4] (NIOSH) | Eight hours | 100 | |
| | | | Short term | 150 | |
| toluene | 108-88-3 | European Union [1] | Eight hours | 50 (skin) | 192 (skin) |
| | | | Short term | 100 (skin) | 384 (skin) |
| | | United Kingdom [2] | Eight hours | 50 | 191 |
| | | | Short term | 100 | 384 |
| | | United States [3] (Cal/OSHA) | Eight hours | 10 | |
| | | | Short term | 150 (Ceiling) 500 | |
| | | United States [4] (NIOSH) | Eight hours | 100 | |
| | | | Short term | 150 | |
| ethylbenzene | 100-41-4 | European Union [1] | Eight hours | 200 | |
| | | | Short term | 300 Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 500 [10 min] | |
| | | United States [5] (OSHA) | Eight hours | 100 (skin) | 442 (skin) |
| | | | Short term | 200 (skin) | 884 (skin) |
| | | United Kingdom [2] | Eight hours | 100 | 441 |
| | | | Short term | 125 | 552 |
| | | United States [3] (Cal/OSHA) | Eight hours | 5 | |
| | | | Short term | 30 | |
| | | United States [4] (NIOSH) | Eight hours | 100 | |
| | | | Short term | 125 | |
| | | United States [5] (OSHA) | Eight hours | 100 | 435 |
| | | | Short term | | |
| | | | | | |
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| | | | | | |
|---------------------------------|---------|------------------------------|--------------------|-----|-----|
| 2-methylpropan-1-ol,iso-butanol | 78-83-1 | United Kingdom [2] | Eight hours | 50 | 154 |
| | | | Short term | 75 | 231 |
| | | United States [3] (Cal/OSHA) | Eight hours | 50 | |
| | | | Short term | | |
| | | United States [4] (NIOSH) | Eight hours | 50 | |
| | | | Short term | | |
| | | United States [5] (OSHA) | Eight hours | 100 | 300 |
| | | | Short term | | |

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[3] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[4] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[5] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

| Name | DNEL/DMEL | Type | Value |
|--|---------------------------|---|------------------------------|
| xylene (Mixture of isomers) CAS No: 1330-20-7 EC No: 215-535-7 | DNEL (Workers) | Inhalation, Long-term, Systemic effects | 77 (mg/m ³) |
| toluene CAS No: 108-88-3 EC No: 203-625-9 | DNEL (Workers) | Inhalation, Long-term, Local effects | 192 (mg/m ³) |
| | DNEL (General population) | Inhalation, Long-term, Local effects | 56,5 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Long-term, Systemic effects | 192 (mg/m ³) |
| | DNEL (General population) | Inhalation, Long-term, Systemic effects | 56,5 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Acute, Systemic effects | 384 (mg/m ³) |
| | DNEL (General population) | Inhalation, Acute, Systemic effects | 226 (mg/m ³) |
| | DNEL (Workers) | Inhalation, Acute, Local effects | 384 (mg/m ³) |
| | DNEL (General population) | Inhalation, Acute, Local effects | 226 (mg/m ³) |
| | DNEL (Workers) | Dermal, Long-term, Systemic effects | 384 (mg/kg bw/day) |
| | DNEL (General population) | Dermal, Long-term, Systemic effects | 226 (mg/kg bw/day) |
| ethylbenzene CAS No: 100-41-4 EC No: 202-849-4 | DNEL (Workers) | Inhalation, Long-term, Systemic effects | 77 (mg/m ³) |
| | DNEL (General population) | Inhalation, Long-term, Systemic effects | 8,13 (mg/kg bw/day) |
| 2-methylpropan-1-ol,iso-butanol CAS No: 78-83-1 EC No: 201-148-0 | DNEL (Workers) | Inhalation, Long-term, Local effects | 310 (mg/m ³) |
| | DNEL (General population) | Inhalation, Long-term, Local effects | 55 (mg/m ³) |
| 2-ethylhexanoic acid CAS No: 149-57-5 EC No: 205-743-6 | DNEL (Workers) | Inhalation, Long-term, Systemic effects | 32 (mg/m ³) |
| 2-butanone oxime,ethyl methyl ketone oxime,ethyl methyl ketoxime | DNEL (Workers) | Inhalation, Long-term, Local effects | 3,33 (mg/m ³) |

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| | | | |
|-------------------------------------|-------------------|---|------------------------|
| CAS No: 96-29-7 EC No: 202-496-6 | DNEL (Workers) | Inhalation, Long-term, Systemic effects | 9 (mg/m ³) |
|-------------------------------------|-------------------|---|------------------------|

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:



| Name | Details | Value |
|--|------------------------------|---------------------------|
| toluene CAS No: 108-88-3 EC No: 203-625-9 | aqua (freshwater) | 0,68 (mg/L) |
| | aqua (marine water) | 0,68 (mg/L) |
| | aqua (intermittent releases) | 0,68 (mg/L) |
| | STP | 13,61 (mg/L) |
| | sediment (freshwater) | 16,39 (mg/kg sediment dw) |
| | sediment (marine water) | 16,39 (mg/kg sediment dw) |
| 2-methylpropan-1-ol,iso-butanol CAS No: 78-83-1 EC No: 201-148-0 | aqua (freshwater) | 0,4 (mg/L) |
| | aqua (marine water) | 0,04 (mg/L) |
| | aqua (intermittent releases) | 11 (mg/L) |
| | STP | 10 (mg/L) |
| | sediment (freshwater) | 1,52 (mg/kg sediment dw) |
| | sediment (marine water) | 0,152 (mg/kg sediment dw) |
| | soil | 0,0699 (mg/kg soil dw) |

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

| | | | | |
|------------------------------|---|---------------------------|-------|---|
| Concentration: | 100 % | | | |
| Uses: | Coating material for different surfaces | | | |
| Breathing protection: | | | | |
| PPE: | Filter mask for protection against gases and particles. | | |  |
| Characteristics: | «CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight. | | | |
| CEN standards: | EN 136, EN 140, EN 405 | | | |
| Maintenance: | Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor. | | | |
| Observations: | Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer. | | | |
| Filter Type needed: | A2 | | | |
| Hand protection: | | | | |
| PPE: | Protective gloves against chemicals. | | |  |
| Characteristics: | «CE» marking, category III. | | | |
| CEN standards: | EN 374-1, En 374-2, EN 374-3, EN 420 | | | |
| Maintenance: | Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. | | | |
| Observations: | Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands. | | | |
| Material: | PVC (polyvinyl chloride) | Breakthrough time (min.): | > 480 | Material thickness (mm): 0,35 |

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| Eye protection: | | |
|------------------|--|--|
| PPE: | Protective goggles with built-in frame. |  |
| Characteristics: | «CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour. | |
| CEN standards: | EN 165, EN 166, EN 167, EN 168 | |
| Maintenance: | Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. | |
| Observations: | Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc. | |
| Skin protection: | | |
| PPE: | Anti-static protective clothing. |  |
| Characteristics: | «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements. | |
| CEN standards: | EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5 | |
| Maintenance: | In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer. | |
| Observations: | The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use. | |
| PPE: | Anti-static safety footwear. |  |
| Characteristics: | «CE» marking, category II. | |
| CEN standards: | EN ISO 13287, EN ISO 20344, EN ISO 20346 | |
| Maintenance: | The footwear should be checked regularly | |
| Observations: | The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths. | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour
Colour: N.A./N.A.
Odour: N.A./N.A.
Odour threshold: N.A./N.A.
pH: N.A./N.A.
Melting point: N.A./N.A.
Boiling Point: N.A./N.A.
Flash point: 24 °C
Evaporation rate: N.A./N.A.
Inflammability (solid, gas): N.A./N.A.
Lower Explosive Limit: N.A./N.A.
Upper Explosive Limit: N.A./N.A.
Vapour pressure: N.A./N.A.
Vapour density: N.A./N.A.
Relative density: 1.280
Solubility: N.A./N.A.
Liposolubility: N.A./N.A.
Hydrosolubility: N.A./N.A.
Partition coefficient (n-octanol/water): N.A./N.A.
Auto-ignition temperature: N.A./N.A.
Decomposition temperature: N.A./N.A.
Viscosity: N.A./N.A.
Explosive properties: N.A./N.A.
Oxidizing properties: N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2 Other information.

Pour point: N.A./N.A.
Blink: N.A./N.A.
Kinematic viscosity: N.A./N.A.

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N.A./N.A.= Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

If the storage conditions are satisfied, does not produce dangerous reactions.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

Flammable liquid and vapour.

10.4 Conditions to avoid.

Avoid the following conditions:

- High temperature.
- Static discharge.
- Contact with incompatible materials.
- Avoid temperatures near or above the flash point. Do not heat closed containers. Avoid direct sunlight and heat, as these may cause a risk of fire.

10.5 Incompatible materials.

Avoid the following materials:

- Explosives materials.
- Toxic materials.
- Oxidizing materials.

10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- COx (carbon oxides).
- Organic compounds.
- Aromatics compounds.

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT PREPARATION. Splatters in the eyes can cause irritation.

IRRITANT PREPARATION. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

11.1 Information on toxicological effects.

There are no tested data available on the product.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Dermal) = 9.075 mg/kg

b) skin corrosion/irritation;

Product classified:

Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

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d) respiratory or skin sensitisation;
Based on available data, the classification criteria are not met.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Based on available data, the classification criteria are not met.

g) reproductive toxicity;
Product classified:
Reproductive toxicant, Category 2: Suspected of damaging fertility or the unborn child.

h) STOT-single exposure;
Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;
Product classified:
Specific target organ toxicity following a repeated exposure, Category 2: May cause damage to organs through prolonged or repeated exposure.

j) aspiration hazard;
Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

There is no information available on the biodegradability of the substances present.

12.2 Persistence and degradability.

There is no information available on the degradability of the substances present.
No information is available regarding the degradability of the substances present. No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

| Name | Bioaccumulation | | | |
|---|-----------------|-----|-------|----------|
| | Log Pow | BCF | NOECs | Level |
| toluene N. CAS: 108-88-3 EC No: 203-625-9 | 2,73 | - | - | Low |
| ethylbenzene N. CAS: 100-41-4 EC No: 202-849-4 | 3,15 | - | - | Moderate |
| 2-methylpropan-1-ol, iso-butanol N. CAS: 78-83-1 EC No: 201-148-0 | 0,76 | - | - | Very low |

12.4 Mobility in soil.

No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

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12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading

Air: Transport by plane: ICAO/IATA.

Transport document: Airway bill.

14.1 UN number.

UN No: UN1263

14.2 UN proper shipping name.

Description:

ADR: UN 1263, PAINT, 3, PG III, (D/E)

IMDG: UN 1263, PAINT, 3, PG III

ICAO/IATA: UN 1263, PAINT, 3, PG III

14.3 Transport hazard class(es).

Class(es): 3

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: No

14.6 Special precautions for user.

Labels: 3



Hazard number: 30

ADR LQ: 5 L

IMDG LQ: 5 L

ICAO LQ: 10 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.

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Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E,S-E
Proceed in accordance with point 6.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.

The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

VOC content (p/p): 35,566 %

VOC content: 455,25 g/l

USA:

VVOC content (p/p): 0 %

VVOC content: 0 g/l

VOC content (p/p): 35.911 %

VOC content: 459.656 g/l

SVOC content (p/p): .186 %

SVOC content: 2.381 g/l

VVOC: Very volatile organic compounds.

VOC: Volatile organic compounds.

SVOC: Semi volatile organic compounds.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): P5c

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

| Designation of the substance, of the group of substances or of the mixture | Conditions of restriction |
|---|---|
| 30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed as follows: - Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5 - Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 | 1. Shall not be placed on the market, or used, - as substances, - as constituents of other substances, or, - in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: - either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, - the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows: 'Restricted to professional users'. 2. By way of derogation, paragraph 1 shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: - motor fuels which are covered by Directive 98/70/EC, - mineral oil products intended for use as fuel in mobile or fixed combustion plants, - fuels sold in closed systems (e.g. liquid gas bottles); (d) artists' paints covered by Directive 1999/45/EC; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of |

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| | |
|---|--|
| 48. Toluene CAS No 108-88-3 EC No 203-625-9 | Appendix 11, the derogation shall apply until the said date. Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public. |
|---|--|

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

| | |
|-------|---|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.(órganos de audición) |

Classification codes:

Acute Tox. 4 : Acute toxicity (Dermal), Category 4
Acute Tox. 4 : Acute toxicity (Inhalation), Category 4
Asp. Tox. 1 : Aspiration toxicity, Category 1
Carc. 2 : Carcinogen, Category 2
Eye Dam. 1 : Serious eye damage, Category 1
Eye Irrit. 2 : Eye irritation, Category 2
Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Repr. 2 : Reproductive toxicant, Category 2
STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3
Skin Irrit. 2 : Skin irritant, Category 2
Skin Sens. 1 : Skin sensitizer, Category 1

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

| CAS No | Name | State |
|-----------|---------------------------------|------------|
| 1330-20-7 | xylene (Mixture of isomers) | Registered |
| 108-88-3 | toluene | Registered |
| 100-41-4 | ethylbenzene | Registered |
| 78-83-1 | 2-methylpropan-1-ol,iso-butanol | Registered |

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| | | |
|----------|--|------------|
| 149-57-5 | 2-ethylhexanoic acid | Registered |
| 96-29-7 | 2-butanone oxime,ethyl methyl ketone oxime,ethyl methyl ketoxime | Registered |

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Code for Dangerous Goods.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
Log Pow: Logarithm of the partition octanol-water.
NOEC: No observed effect concentration.
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>
<http://echa.europa.eu/>
Regulation (EU) 2015/830.
Regulation (EC) No 1907/2006.
Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.