



**ISOCRYL DUR NANOTECH - Roof & wall acrylic solvent based  
primer  
24-131**
**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** ISOCRYL DUR NANOTECH - Roof & wall acrylic solvent based primer  
24-131  
Distillates (petroleum), hydrotreated light
- CAS: 64742-47-8  
EC: 265-149-8  
Index: 649-422-00-2  
REACH: 01-2119484819-18-XXXX
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Surface Primer  
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) n° 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412  
Asp. Tox. 1: Aspiration hazard, Category 1, H304  
Flam. Liq. 3: Flammable liquids, Category 3, H226
- 2.2 Label elements:**  
**CLP Regulation (EC) n° 1272/2008:**  
**Danger**
- 

- Hazard statements:**  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects  
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways  
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  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor  
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 and / or their container according to the separated collection system used in your municipality
- Supplementary information:**  
EUH066: Repeated exposure may cause skin dryness or cracking
- Substances that contribute to the classification**

\*\* Changes with regards to the previous version

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**SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)**

Distillates (petroleum), hydrotreated light (CAS: 64742-47-8); naphtha (petroleum), hydrodesulphurized heavy , < 0.1 % EC 200-753-7 (CAS: 64742-82-1); Ethylbenzene (CAS: 100-41-4)

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria
















\*\* Changes with regards to the previous version

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\***
**3.1 Substance:**

**Chemical description:** Mixture composed of methacrylates with solvents

**Components:**

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

| Identification  | Chemical name/Classification   | Concentration  |
|---|--|--|
| CAS: 64742-47-8<br>EC: 265-149-8<br>Index: 649-422-00-2<br>REACH 01-2119484819-18-XXX | <b>Distillates (petroleum), hydrotreated light <sup>1</sup></b><br>Regulation 1272/2008 Asp. Tox. 1: H304 - Danger   | ATP CLP00<br>50 - <75 %<br>   |
| CAS: 64742-82-1<br>EC: 265-185-4<br>Index: 649-330-00-2<br>REACH 01-2119490979-12-XXX | <b>naphtha (petroleum), hydrodesulphurized heavy , &lt; 0.1 % EC 200-753-7 <sup>2</sup></b><br>Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Danger | ATP ATP05<br>9,9 - <19 %<br><br><br><br> |
| CAS: 108-65-6<br>EC: 203-603-9<br>Index: 607-195-00-7<br>REACH 01-2119475791-29-XXX   | <b>2-methoxy-1-methylethyl acetate <sup>3</sup></b><br>Regulation 1272/2008 Flam. Liq. 3: H226 - Warning   | ATP ATP01<br>4,9 - <9,9 %<br>   |
| CAS: 95-63-6<br>EC: 202-436-9<br>Index: 601-043-00-3<br>REACH 01-2119472135-42-XXX    | <b>1,2,4-trimethylbenzene <sup>2</sup></b><br>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               | ATP CLP00<br>2,4 - <4,9 %<br><br><br>   |
| CAS: 108-67-8<br>EC: 203-604-4<br>Index: 601-025-00-5<br>REACH Non-applicable         | <b>Mesitylene <sup>2</sup></b><br>Regulation 1272/2008 Aquatic Chronic 2: H411; Flam. Liq. 3: H226; STOT SE 3: H335 - Warning  | ATP CLP00<br>0,9 - <2,4 %<br><br><br>   |
| CAS: 100-41-4<br>EC: 202-849-4<br>Index: 601-023-00-4<br>REACH 01-2119489370-35-XXX   | <b>Ethylbenzene <sup>3</sup></b><br>Regulation 1272/2008 Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger   | ATP ATP06<br>0,09 - <0,24 %<br><br><br>   |

<sup>1</sup> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

<sup>2</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

<sup>3</sup> Substance with a Union workplace exposure limit

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

**3.2 Mixture:**

Non-applicable

\*\* Changes with regards to the previous version

**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.

**By inhalation:**

This product is not classified as hazardous through inhalation, however, it is recommended in case of intoxication symptoms 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:**

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**ISOCRYL DUR NANOTECH - Roof & wall acrylic solvent based  
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24-131****SECTION 4: FIRST AID MEASURES (continued)**

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, as 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:**

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

**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<sub>2</sub>). 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 individual respiratory equipment. 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. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, 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 inertization agent. 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.

**6.4 Reference to other sections:**

See sections 8 and 13.

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**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 °C
- Maximum Temp.: 35 °C
- 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 |         |                       |
|---|----------------------|---------|-----------------------|
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | IOELV (8h)           | 50 ppm  | 275 mg/m <sup>3</sup> |
|   | IOELV (STEL)         | 100 ppm | 550 mg/m <sup>3</sup> |
|   | Year                 | 2017    |                       |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9           | IOELV (8h)           | 20 ppm  | 100 mg/m <sup>3</sup> |
|   | IOELV (STEL)         |         |                       |
|   | Year                 | 2017    |                       |
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4                      | IOELV (8h)           | 20 ppm  | 100 mg/m <sup>3</sup> |
|   | IOELV (STEL)         |         |                       |
|   | Year                 | 2017    |                       |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | IOELV (8h)           | 100 ppm | 442 mg/m <sup>3</sup> |
|   | IOELV (STEL)         | 200 ppm | 884 mg/m <sup>3</sup> |
|   | Year                 | 2017    |                       |

**DNEL (Workers):**

| Identification  |            | Short exposure |                | Long exposure         |                |
|---|------------|----------------|----------------|-----------------------|----------------|
|   |            | Systemic       | Local          | Systemic              | Local          |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | Oral       | Non-applicable | Non-applicable | Non-applicable        | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | 153,5 mg/kg           | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 275 mg/m <sup>3</sup> | Non-applicable |

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

| Identification  |            | Short exposure        |                       | Long exposure         |                       |
|---|------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   |            | Systemic              | Local                 | Systemic              | Local                 |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9 | Oral       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | Dermal     | Non-applicable        | Non-applicable        | 16171 mg/kg           | Non-applicable        |
|   | Inhalation | 100 mg/m <sup>3</sup> | 100 mg/m <sup>3</sup> | 100 mg/m <sup>3</sup> | 100 mg/m <sup>3</sup> |
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4            | Oral       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | Dermal     | Non-applicable        | Non-applicable        | 16171 mg/kg           | Non-applicable        |
|   | Inhalation | 100 mg/m <sup>3</sup> | 100 mg/m <sup>3</sup> | 100 mg/m <sup>3</sup> | 100 mg/m <sup>3</sup> |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4          | Oral       | Non-applicable        | Non-applicable        | Non-applicable        | Non-applicable        |
|   | Dermal     | Non-applicable        | Non-applicable        | 180 mg/kg             | Non-applicable        |
|   | Inhalation | Non-applicable        | 293 mg/m <sup>3</sup> | 77 mg/m <sup>3</sup>  | Non-applicable        |

**DNEL (General population):**

| Identification  |            | Short exposure         |                        | Long exposure          |                        |
|---|------------|------------------------|------------------------|------------------------|------------------------|
|   |            | Systemic               | Local                  | Systemic               | Local                  |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | Oral       | Non-applicable         | Non-applicable         | 1,67 mg/kg             | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | 54,8 mg/kg             | Non-applicable         |
|   | Inhalation | Non-applicable         | Non-applicable         | 33 mg/m <sup>3</sup>   | Non-applicable         |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9           | Oral       | Non-applicable         | Non-applicable         | 15 mg/kg               | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | 9512 mg/kg             | Non-applicable         |
|   | Inhalation | 29,4 mg/m <sup>3</sup> | 29,4 mg/m <sup>3</sup> | 29,4 mg/m <sup>3</sup> | 29,4 mg/m <sup>3</sup> |
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4                      | Oral       | Non-applicable         | Non-applicable         | 15 mg/kg               | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | 9512 mg/kg             | Non-applicable         |
|   | Inhalation | 29,4 mg/m <sup>3</sup> | 29,4 mg/m <sup>3</sup> | 29,4 mg/m <sup>3</sup> | 29,4 mg/m <sup>3</sup> |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | Oral       | Non-applicable         | Non-applicable         | 1,6 mg/kg              | Non-applicable         |
|   | Dermal     | Non-applicable         | Non-applicable         | Non-applicable         | Non-applicable         |
|   | Inhalation | Non-applicable         | Non-applicable         | 15 mg/m <sup>3</sup>   | Non-applicable         |

**PNEC:**

| Identification  |              |                |                         |             |
|---|--------------|----------------|-------------------------|-------------|
|   |              |                |                         |             |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | STP          | 100 mg/L       | Fresh water             | 0,635 mg/L  |
|   | Soil         | 0,29 mg/kg     | Marine water            | 0,0635 mg/L |
|   | Intermittent | 6,35 mg/L      | Sediment (Fresh water)  | 3,29 mg/kg  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,329 mg/kg |
|   |              |                |                         |             |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9           | STP          | 2,41 mg/L      | Fresh water             | 0,12 mg/L   |
|   | Soil         | 2,34 mg/kg     | Marine water            | 0,12 mg/L   |
|   | Intermittent | 0,12 mg/L      | Sediment (Fresh water)  | 13,56 mg/kg |
|   | Oral         | Non-applicable | Sediment (Marine water) | 13,56 mg/kg |
|   |              |                |                         |             |
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4                      | STP          | 2,02 mg/L      | Fresh water             | 0,101 mg/L  |
|   | Soil         | 1,34 mg/kg     | Marine water            | 0,101 mg/L  |
|   | Intermittent | 0,101 mg/L     | Sediment (Fresh water)  | 7,86 mg/kg  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 7,86 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:

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

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection 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.- Bodily 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 |

**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): 79 % weight
- V.O.C. density at 20 °C: 647,8 kg/m<sup>3</sup> (647,8 g/L)
- Average carbon number: 10,89
- Average molecular weight: 155,53 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 °C: 724,58 kg/m<sup>3</sup> (724,58 g/L)
- EUlimit for the product (Cat. A.H): 750 g/L (2010)



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

Components: 004 - 50 % 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 °C: | Liquid           |
| Appearance:              | Transparent      |
| Colour:                  | Not available    |
| Odour:                   | Characteristic   |
| Odour threshold:         | Non-applicable * |

**Volatility:**

|  |                  |
|--|------------------|
| Boiling point at atmospheric pressure: | 194 °C           |
| Vapour pressure at 20 °C:              | 171 Pa           |
| Vapour pressure at 50 °C:              | 1051 Pa (1 kPa)  |
| Evaporation rate at 20 °C:             | Non-applicable * |

**Product description:**

|  |                                   |
|--|-----------------------------------|
| Density at 20 °C:                            | 800 - 840 kg/m <sup>3</sup>       |
| Relative density at 20 °C:                   | 0,82                              |
| Dynamic viscosity at 20 °C:                  | Non-applicable *                  |
| Kinematic viscosity at 20 °C:                | Non-applicable *                  |
| Kinematic viscosity at 40 °C:                | <20,5 cSt                         |
| Concentration:                               | 810 - 830 g/L (active ingredient) |
| pH:  | Non-applicable *                  |
| Vapour density at 20 °C:                     | Non-applicable *                  |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *                  |
| Solubility in water at 20 °C:                | Non-applicable *                  |
| Solubility properties:                       | Non-applicable *                  |
| Decomposition temperature:                   | Non-applicable *                  |
| Melting point/freezing point:                | Non-applicable *                  |
| Explosive properties:                        | Non-applicable *                  |
| Oxidising properties:                        | Non-applicable *                  |

**Flammability:**

|                            |                  |
|----------------------------|------------------|
| Flash Point:               | 43 °C            |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature:  | 275 °C           |
| 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 °C: | Non-applicable * |
|---------------------------|------------------|

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

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

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 (CO<sub>2</sub>), 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

**Dangerous health implications:**

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

**A.- Ingestion (acute effect):**

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain 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):**

- 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):**

- CONTINUED ON NEXT PAGE -



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- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. 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, as it does not 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, as it does not contain substances classified as dangerous for this effect. 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:**

The consumption of a considerable dose can cause pulmonary damage.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

| Identification   | Acute toxicity  |                 | Genus  |
|--|-----------------|-----------------|--------|
| naphtha (petroleum), hydrodesulphurized heavy , < 0.1 % EC 200-753-7<br>CAS: 64742-82-1<br>EC: 265-185-4 | LD50 oral       | 5100 mg/kg      | Rat    |
|  | LD50 dermal     | 3160 mg/kg      | Rabbit |
|  | LC50 inhalation | 12 mg/L (4 h)   | Rat    |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9  | LD50 oral       | 3400 mg/kg      | Rat    |
|  | LD50 dermal     | 3160 mg/kg      | Rabbit |
|  | LC50 inhalation | 11 mg/L (4 h)   | Rat    |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9  | LD50 oral       | 8532 mg/kg      | Rat    |
|  | LD50 dermal     | 5100 mg/kg      | Rat    |
|  | LC50 inhalation | 30 mg/L (4 h)   | Rat    |
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4   | LD50 oral       | 6000 mg/kg      | Rat    |
|  | LD50 dermal     | Non-applicable  |        |
|  | LC50 inhalation | Non-applicable  |        |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4   | LD50 oral       | 3500 mg/kg      | Rat    |
|  | LD50 dermal     | 15354 mg/kg     | Rabbit |
|  | LC50 inhalation | 17,2 mg/L (4 h) | Rat    |

**SECTION 12: ECOLOGICAL INFORMATION**

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

**12.1 Toxicity:**

| Identification   | Acute toxicity |                 | Species         | Genus      |
|--|----------------|-----------------|-----------------|------------|
| naphtha (petroleum), hydrodesulphurized heavy , < 0.1 % EC 200-753-7<br>CAS: 64742-82-1<br>EC: 265-185-4 | LC50           | Non-applicable  |                 |            |
|  | EC50           | 4.3 mg/L (96 h) | Crangon crangon | Crustacean |
|  | EC50           | Non-applicable  |                 |            |

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification  | Acute toxicity |                  | Species                 | Genus      |
|---|----------------|------------------|-------------------------|------------|
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | LC50           | 161 mg/L (96 h)  | Pimephales promelas     | Fish       |
|   | EC50           | 481 mg/L (48 h)  | Daphnia sp.             | Crustacean |
|   | EC50           | Non-applicable   |                         |            |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9           | LC50           | 7.72 mg/L (96 h) | Pimephales promelas     | Fish       |
|   | EC50           | 6.14 mg/L (48 h) | Daphnia magna           | Crustacean |
|   | EC50           | Non-applicable   |                         |            |
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4                      | LC50           | 12.5 mg/L (96 h) | Carassius auratus       | Fish       |
|   | EC50           | 50 mg/L (24 h)   | Daphnia magna           | Crustacean |
|   | EC50           | 53 mg/L (48 h)   | Scenedesmus subspicatus | Algae      |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | LC50           | 42.3 mg/L (96 h) | Pimephales promelas     | Fish       |
|   | EC50           | 75 mg/L (48 h)   | Daphnia magna           | Crustacean |
|   | EC50           | 63 mg/L (3 h)    | Chlorella vulgaris      | Algae      |

**12.2 Persistence and degradability:**

| Identification  | Degradability |                | Biodegradability |          |
|---|---------------|----------------|------------------|----------|
|   |               |                |                  |          |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | BOD5          | Non-applicable | Concentration    | 785 mg/L |
|   | COD           | Non-applicable | Period           | 8 days   |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 100 %    |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9           | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|   | COD           | Non-applicable | Period           | 28 days  |
|   | BOD5/COD      | 0.43           | % Biodegradable  | 18 %     |
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4                      | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|   | COD           | Non-applicable | Period           | 14 days  |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 0 %      |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4                    | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|   | COD           | Non-applicable | Period           | 14 days  |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 90 %     |

**12.3 Bioaccumulative potential:**

| Identification   | Bioaccumulation potential |      |
|--|---------------------------|------|
|  |                           |      |
| Distillates (petroleum), hydrotreated light<br>CAS: 64742-47-8<br>EC: 265-149-8                          | BCF                       | 130  |
|  | Pow Log                   | 3.3  |
|  | Potential                 | High |
| naphtha (petroleum), hydrodesulphurized heavy , < 0.1 % EC 200-753-7<br>CAS: 64742-82-1<br>EC: 265-185-4 | BCF                       | 645  |
|  | Pow Log                   | 4    |
|  | Potential                 | High |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9  | BCF                       | 1    |
|  | Pow Log                   | 0.43 |
|  | Potential                 | Low  |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9  | BCF                       | 154  |
|  | Pow Log                   | 3.78 |
|  | Potential                 | High |
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4   | BCF                       | 182  |
|  | Pow Log                   | 3.42 |
|  | Potential                 | High |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4   | BCF                       | 1    |
|  | Pow Log                   | 3.15 |
|  | Potential                 | Low  |

**12.4 Mobility in soil:**

| Identification  | Absorption/desorption |                      | Volatility |                               |
|---|-----------------------|----------------------|------------|-------------------------------|
|   |                       |                      |            |                               |
| 1,2,4-trimethylbenzene<br>CAS: 95-63-6<br>EC: 202-436-9 | Koc                   | 537                  | Henry      | 624,16 Pa·m <sup>3</sup> /mol |
|   | Conclusion            | Low                  | Dry soil   | Yes                           |
|   | Surface tension       | 2,919E-2 N/m (25 °C) | Moist soil | Yes                           |

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification                                 | Absorption/desorption |                      | Volatility |                               |
|--|-----------------------|----------------------|------------|-------------------------------|
| Mesitylene<br>CAS: 108-67-8<br>EC: 203-604-4   | Koc                   | 1445                 | Henry      | 888,62 Pa·m <sup>3</sup> /mol |
|  | Conclusion            | Low                  | Dry soil   | Yes                           |
|  | Surface tension       | 2,805E-2 N/m (25 °C) | Moist soil | Yes                           |
| Ethylbenzene<br>CAS: 100-41-4<br>EC: 202-849-4 | Koc                   | 520                  | Henry      | 798,44 Pa·m <sup>3</sup> /mol |
|  | Conclusion            | Moderate             | Dry soil   | Yes                           |
|  | Surface tension       | 2,859E-2 N/m (25 °C) | 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) |
|------|---|--|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Dangerous                                  |

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

HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, 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 recommend disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) n°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:



- 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:** No  
**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:

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**SECTION 14: TRANSPORT INFORMATION (continued)**


|   |                    |
|---|--------------------|
| <b>14.1 UN number:</b>  | UN1263             |
| <b>14.2 UN proper shipping name:</b>  | PAINT              |
| <b>14.3 Transport hazard class(es):</b>   | 3                  |
| Labels:   | 3                  |
| <b>14.4 Packing group:</b>  | III                |
| <b>14.5 Environmental hazards:</b>  | No                 |
| <b>14.6 Special precautions for user</b>  |                    |
| Special regulations:  | 223, 955, 163, 367 |
| EmS Codes:  | F-E, S-E           |
| Physico-Chemical properties:  | see section 9      |
| Limited quantities:   | 5 L                |
| <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b> | Non-applicable     |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2017:



|   |                |
|---|----------------|
| <b>14.1 UN number:</b>  | UN1263         |
| <b>14.2 UN proper shipping name:</b>  | PAINT          |
| <b>14.3 Transport hazard class(es):</b>   | 3              |
| Labels:   | 3              |
| <b>14.4 Packing group:</b>  | III            |
| <b>14.5 Environmental hazards:</b>  | No             |
| <b>14.6 Special precautions for user</b>  |                |
| Physico-Chemical properties:  | see section 9  |
| <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b> | 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) 1907/2006 (REACH): Non-applicable

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

Regulation (EC) 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 ....):**

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 data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Relevant instructions for use:**

Dilute up to 100% with white spirit

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

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**SECTION 15: REGULATORY INFORMATION (continued)**

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) N° 1907/2006 (Regulation (EC) N° 2015/830)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

CLP Regulation (EC) n° 1272/2008 (SECTION 2, SECTION 16):

- Precautionary statements

Content of the 3rd section presenting modifications (SECTION 3):

- Mesitylene (108-67-8): REACH Number

**Texts of the legislative phrases mentioned in section 2:**

H412: Harmful to aquatic life with long lasting effects

H304: May be fatal if swallowed and enters airways

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) n° 1272/2008:**

Acute Tox. 4: H332 - Harmful if inhaled

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

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

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

Skin Irrit. 2: H315 - Causes skin irritation

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure

STOT SE 3: H335 - May cause respiratory irritation

STOT SE 3: H336 - May cause drowsiness or dizziness

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order 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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -