

**Maston - Hammer metal paint - metallimaali  
886-, 887-**

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

- 1.1 Product identifier:** Maston - Hammer metal paint - metallimaali  
886-, 887-
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Paint  
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:** Maston Oy  
Teollisuustie 10  
FI 02880 Veikkola - Finland  
Phone.: +358 20 7188 580 -  
Fax: +358 20 7188 599  
maston@maston.fi  
www.maston.fi
- 1.4 Emergency telephone number:** Myrkytystietokeskus (Giftinformationcentralen) PL 340  
00029 HUS FINLAND +358(0)9471977

**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.  
Acute Tox. 4: Acute inhalation toxicity, Category 4, H332  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412  
Flam. Liq. 3: Flammable liquids, Category 3, H226  
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317  
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**  
**CLP Regulation (EC) n° 1272/2008:**  
**Warning**
- 
- Hazard statements:**  
Acute Tox. 4: H332 - Harmful if inhaled  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects  
Flam. Liq. 3: H226 - Flammable liquid and vapour  
Skin Sens. 1A: H317 - May cause an allergic skin reaction  
STOT SE 3: H336 - May cause drowsiness or dizziness
- 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  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.  
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  
EUH208: Contains Butanone oxime. May produce an allergic reaction
- Substances that contribute to the classification**  
Naphtha (petroleum), hydrodesulfurized heavy, < 0.1 % EC 200-753-7; Xylene (mixture of isomers); Cobalt bis(2-ethylhexanoate)
- 2.3 Other hazards:**  
Non-applicable

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

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

**Components:**

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

| Identification  | Chemical name/Classification  | Concentration                     |
|---|---|-----------------------------------|
| CAS: 64742-82-1<br>EC: 265-185-4<br>Index: 649-330-00-2<br>REACH: 01-2119490979-12-XXXX | <b>Naphtha (petroleum), hydrodesulfurized heavy, &lt; 0.1 % EC 200-753-7</b><br>Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336 - Danger | ATP ATP05<br>20 - <25 %           |
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX  | <b>Xylene (mixture of isomers)</b><br>Regulation 1272/2008 Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning   | ATP CLP00<br>5 - <10 %            |
| CAS: 64742-48-9<br>EC: 265-150-3<br>Index: 649-327-00-6<br>REACH: 01-2119486659-16-XXXX | <b>Naphtha (petroleum), &lt; 0.1 % EC 200-753-7</b><br>Regulation 1272/2008 Asp. Tox. 1: H304; Flam. Liq. 3: H226 - Danger  | ATP ATP01<br>1 - <5 %             |
| CAS: 108-65-6<br>EC: 203-603-9<br>Index: 607-195-00-7<br>REACH: 01-2119475791-29-XXXX   | <b>2-methoxy-1-methylethyl acetate</b><br>Regulation 1272/2008 Flam. Liq. 3: H226 - Warning   | ATP ATP01<br>1 - <5 %             |
| CAS: 123-86-4<br>EC: 204-658-1<br>Index: 607-025-00-1<br>REACH: 01-2119485493-29-XXXX   | <b>Butyl Acetate</b><br>Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336 - Warning  | ATP CLP00<br>0,25 - <1 %          |
| CAS: 68551-41-7<br>EC: 271-376-3<br>Index: Non-applicable<br>REACH: Non-applicable      | <b>Fatty acids, C6-19-branched, calcium salts, overbased</b><br>Regulation 1272/2008 Skin Irrit. 2: H315 - Warning  | Self-classified<br>0,25 - <1 %    |
| CAS: 136-52-7<br>EC: 205-250-6<br>Index: Non-applicable<br>REACH: 01-2119524678-29-XXXX | <b>Cobalt bis(2-ethylhexanoate)</b><br>Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 2: H361; Skin Sens. 1A: H317 - Warning                  | Self-classified<br>0,05 - <0,25 % |
| CAS: 96-29-7<br>EC: 202-496-6<br>Index: 616-014-00-0<br>REACH: 01-2119539477-28-XXXX    | <b>Butanone oxime</b><br>Regulation 1272/2008 Acute Tox. 4: H312; Carc. 2: H351; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger  | ATP CLP00<br>0,05 - <0,25 %       |
| CAS: 2457-02-5<br>EC: 219-536-3<br>Index: Non-applicable<br>REACH: Non-applicable       | <b>Strontium bis(2-ethylhexanoate)</b><br>Regulation 1272/2008 Skin Irrit. 2: H315 - Warning  | Self-classified<br><0,05 %        |

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

**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:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**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:**



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**SECTION 4: FIRST AID MEASURES (continue)**

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:**

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<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.

**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.

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**SECTION 7: HANDLING AND STORAGE (continue)**

**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.: 50 °C  
Maximum time: 36 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 |                       |      |
|---|----------------------|-----------------------|------|
|   | IOELV (8h)           | IOELV (STEL)          | Year |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9 | 50 ppm               | 275 mg/m <sup>3</sup> | 2015 |
|   | 100 ppm              | 550 mg/m <sup>3</sup> |      |
|   | Year                 |                       |      |
| Xylene (mixture of isomers)<br>CAS: 1330-20-7<br>EC: 215-535-7    | 50 ppm               | 221 mg/m <sup>3</sup> | 2015 |
|   | 100 ppm              | 442 mg/m <sup>3</sup> |      |
|   | Year                 |                       |      |

**8.2 Exposure controls:**

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

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 professional exposure limits are exceeded.

**C.- Specific protection for the hands**

Non-applicable

**D.- Ocular and facial protection**

Non-applicable

**E.- Bodily protection**

Non-applicable

**F.- Additional emergency measures**

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

It is not necessary to take additional emergency measures.

**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):          | 37,15 % weight                        |
| V.O.C. density at 20 °C:  | 354,28 kg/m <sup>3</sup> (354,28 g/L) |
| Average carbon number:    | 8,6                                   |
| Average molecular weight: | 118,59 g/mol                          |

**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:              | Not available |
| Color:                   | Not available |
| Odor:                    | Not available |

**Volatility:**

|  |                  |
|--|------------------|
| Boiling point at atmospheric pressure: | 147 °C           |
| Vapour pressure at 20 °C:              | 363 Pa           |
| Vapour pressure at 50 °C:              | 2311 Pa (2 kPa)  |
| Evaporation rate at 20 °C:             | Non-applicable * |

**Product description:**

|  |                       |
|--|-----------------------|
| Density at 20 °C:                            | 954 kg/m <sup>3</sup> |
| Relative density at 20 °C:                   | 0,954                 |
| Dynamic viscosity at 20 °C:                  | 300 cP                |
| Kinematic viscosity at 20 °C:                | 320 cSt               |
| Kinematic viscosity at 40 °C:                | Non-applicable *      |
| Concentration:                               | Non-applicable *      |
| 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 *      |

**Flammability:**

|                           |            |
|---------------------------|------------|
| Flash Point:              | 37 °C      |
| Autoignition temperature: | 200 °C     |
| Lower flammability limit: | 1 % Volume |
| Upper flammability limit: | 9 % Volume |

**9.2 Other information:**

\*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 (continue)**

Surface tension at 20 °C: 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 if the following technical instructions storage of chemicals. 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                        |
|----------------|----------------|----------------------|-----------------------|-------------------------------|
| Not applicable | 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 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 contains substances classified as dangerous for consumption. For more information see section 3.

B- Inhalation:

- Acute toxicity: Exposure in high consciousness can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: 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.

C- Contact with the skin and the eyes:

- 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 contains substances classified as dangerous for skin contact. 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.

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**SECTION 11: TOXICOLOGICAL INFORMATION (continue)**
**E- Sensitizing effects:**

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensibilising effects. For more information see section 3.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

**F- Specific target organ toxicity (STOT)-time exposure:**

Exposure in high consciousness can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

**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, as it does not contain substances classified as dangerous for this effect. 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  |
|--|-----------------|-----------------|--------|
|  |                 |                 |        |
| 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    |
| Naphtha (petroleum), hydrodesulfurized 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    |
| Xylene (mixture of isomers)<br>CAS: 1330-20-7<br>EC: 215-535-7   | LD50 oral       | 2100 mg/kg      | Rat    |
|  | LD50 dermal     | 1100 mg/kg      | Rat    |
|  | LC50 inhalation | 11 mg/L (4 h)   | Rat    |
| Naphtha (petroleum), < 0.1 % EC 200-753-7<br>CAS: 64742-48-9<br>EC: 265-150-3                          | LD50 oral       | 15000 mg/kg     | Rat    |
|  | LD50 dermal     | 3160 mg/kg      | Rabbit |
|  | LC50 inhalation | Non-applicable  |        |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1  | LD50 oral       | 12789 mg/kg     | Rat    |
|  | LD50 dermal     | 14112 mg/kg     | Rabbit |
|  | LC50 inhalation | 23,4 mg/L (4 h) | Rat    |
| Butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6  | LD50 oral       | 2100 mg/kg      | Rat    |
|  | LD50 dermal     | 1100 mg/kg      | Rat    |
|  | LC50 inhalation | Non-applicable  |        |

**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 |                  | Specie               | Genus      |
|--|----------------|------------------|----------------------|------------|
|  |                |                  |                      |            |
| Naphtha (petroleum), hydrodesulfurized 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   |                      |            |
| Xylene (mixture of isomers)<br>CAS: 1330-20-7<br>EC: 215-535-7   | LC50           | 13,5 mg/L (96 h) | Oncorhynchus mykiss  | Fish       |
|  | EC50           | 0,6 mg/L (96 h)  | Gammarus lacustris   | Crustacean |
|  | EC50           | 10 mg/L (72 h)   | Skeletonema costatum | Algae      |
| 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   |                      |            |

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

| Identification   | Acute toxicity |                     | Specie                  | Genus      |
|--|----------------|---------------------|-------------------------|------------|
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1                | LC50           | 62 mg/L (96 h)      | Leuciscus idus          | Fish       |
|  | EC50           | 73 mg/L (24 h)      | Daphnia magna           | Crustacean |
|  | EC50           | 675 mg/L (72 h)     | Scenedesmus subspicatus | Algae      |
| Cobalt bis(2-ethylhexanoate)<br>CAS: 136-52-7<br>EC: 205-250-6 | LC50           | 0,1 - 1 mg/L (96 h) |                         | Fish       |
|  | EC50           | 0,1 - 1 mg/L        |                         | Crustacean |
|  | EC50           | 0,1 - 1 mg/L        |                         | Algae      |
| Butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6                | LC50           | 843 mg/L (96 h)     | Pimephales promelas     | Fish       |
|  | EC50           | 750 mg/L (48 h)     | Daphnia magna           | Crustacean |
|  | EC50           | 83 mg/L (72 h)      | Scenedesmus subspicatus | 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 %          |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1                   | BOD5          | Non-applicable | Concentration    | Non-applicable |
|   | COD           | Non-applicable | Period           | 5 days         |
|   | BOD5/COD      | 0.79           | % Biodegradable  | 84 %           |
| Butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6                   | BOD5          | Non-applicable | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 24 %           |

**12.3 Bioaccumulative potential:**

| Identification   | Bioaccumulation potential |      |
|--|---------------------------|------|
|  |                           |      |
| Naphtha (petroleum), hydrodesulfurized heavy, < 0.1 % EC 200-753-7<br>CAS: 64742-82-1<br>EC: 265-185-4 | BCF                       | 645  |
|  | Pow Log                   | 4    |
|  | Potential                 | High |
| Xylene (mixture of isomers)<br>CAS: 1330-20-7<br>EC: 215-535-7   | BCF                       | 9    |
|  | Pow Log                   | 2,77 |
|  | Potential                 | Low  |
| 2-methoxy-1-methylethyl acetate<br>CAS: 108-65-6<br>EC: 203-603-9                                      | BCF                       | 1    |
|  | Pow Log                   | 0,43 |
|  | Potential                 | Low  |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1  | BCF                       | 4    |
|  | Pow Log                   | 1,78 |
|  | Potential                 | Low  |
| Butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6  | BCF                       | 5    |
|  | Pow Log                   | 0,59 |
|  | Potential                 | Low  |

**12.4 Mobility in soil:**

| Identification   | Absorption/desorption |                   | Volatility |                                 |
|--|-----------------------|-------------------|------------|---------------------------------|
|  |                       |                   |            |                                 |
| Xylene (mixture of isomers)<br>CAS: 1330-20-7<br>EC: 215-535-7 | Koc                   | 202               | Henry      | 5,249E+2 Pa·m <sup>3</sup> /mol |
|  | Conclusion            | Moderate          | Dry soil   | Yes                             |
|  | Surface tension       | Non-applicable    | Moist soil | Yes                             |
| Butyl Acetate<br>CAS: 123-86-4<br>EC: 204-658-1                | Koc                   | Non-applicable    | Henry      | Non-applicable                  |
|  | Conclusion            | Non-applicable    | Dry soil   | Non-applicable                  |
|  | Surface tension       | 24780 N/m (25 °C) | Moist soil | Non-applicable                  |
| Butanone oxime<br>CAS: 96-29-7<br>EC: 202-496-6                | Koc                   | 3                 | Henry      | Non-applicable                  |
|  | Conclusion            | Very High         | Dry soil   | Non-applicable                  |
|  | Surface tension       | 25700 N/m (25 °C) | Moist soil | Non-applicable                  |

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

Non-applicable

**12.6 Other adverse effects:**

Not described

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**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 dangerous substances | Dangerous                                  |

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

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

**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) 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 2015 and RID 2015:



- 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 Dangerous for the environment:** 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 37-14:



- 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 Dangerous for the environment:** No  
**14.6 Special precautions for user**  
 Special regulations: 163, 223, 944, 955  
 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 2015:

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



|   |                |
|---|----------------|
| <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 Dangerous for the environment:</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):**

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.

**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.

**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) N° 1907/2006 (Regulation (EU) N° 453/2010, Regulation (EC) N° 2015/830)

**Modifications related to the previous security card which concerns the ways of managing risks. :**

CLP Regulation (EC) n° 1272/2008:

- Hazard statements
- Precautionary statements

Content of the 3rd section presenting modifications:

- Cobalt bis(2-ethylhexanoate) (136-52-7): Hazard statements

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

- CONTINUED ON NEXT PAGE -



## Safety data sheet

According to 1907/2006/EC (REACH), 453/2010/EU, 2015/830/EU

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#### SECTION 16: OTHER INFORMATION (continue)

H336: May cause drowsiness or dizziness  
H412: Harmful to aquatic life with long lasting effects  
H317: May cause an allergic skin reaction  
H332: Harmful if inhaled  
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: H312 - Harmful in contact with skin  
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled  
Aquatic Acute 1: H400 - Very toxic to aquatic life  
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. 3: H226 - Flammable liquid and vapour  
Repr. 2: H361 - Suspected of damaging fertility or 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 SE 3: H336 - May cause drowsiness or dizziness

#### Classification procedure:

STOT SE 3: Calculation method  
Aquatic Chronic 3: Calculation method  
Skin Sens. 1A: Calculation method  
Acute Tox. 4: Calculation method  
Flam. Liq. 3: Calculation method (2.6.4.3)

#### 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://esis.jrc.ec.europa.eu>  
<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  
CL50: 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 -