# Safety Data Sheet

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

| | |
|---|---|
| **Product identifier.** | TPA 100M |
| **Product name.** | TWO PACK ACRYLIC PART 'A' |
| **UFI** | No Information |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| **Recommended Use.** | Paint Related Material |
| **Uses advised against.** | Professional Use Only |

### 1.3. Details of the supplier of the safety data sheet

| | |
|---|---|
| **Supplier.** | Morrells Woodfinishes Ltd<br>Wellington Works<br>Mill Lane, Woodley<br>Stockport<br>SK6 1RN<br>Tel: +44 (0)161 406 5300<br>Fax: +44 (0)161 406 6276<br><br>EMail: enquires@morrells.co.uk |
| **1.4. Emergency telephone number** | Chemtrec: +1-800-424-9300 USA<br>Chemtrec: +1 703-527-3887 ex-USA<br>24 hrs./day, 7 days/week |
| **Europe** | 112 |
| **Austria** | +43 1 406 43 43 |
| **Belgium** | Poison center (BE): +32 70 245 245 |
| **Denmark** | Poison Control Hotline (DK): +45 82 12 12 12 |
| **Finland** | Poison Information Centre (FI):+358 9 471 977 |
| **France** | ORFILA (FR): + 01 45 42 59 59 |
| **Germany** | Poison Center Berlin (DE): +49 030 30686 790 \|par Poison Center Nord: +49 551 19240 (24h available English / German) |
| **Ireland** | National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566 |
| **Iceland** | +354 543 2222 |
| **Italy** | Poison Center, Milan (IT): +39 02 6610 1029 |
| **Luxembourg** | 112 |
| **Netherlands** | National Poisons Information Center (NL): +31 88 755 8000 (NB: this service is only available to health professionals) |
| **Norway** | Poisons Information (NO):+ 47 22 591300 |
| **Portugal** | Poison Information Center (PT): +351 21 330 3284 |
| **Spain** | Poison Information Service (ES): +34 91 562 04 20 |
| **Sweden** | Poisons Information Center (SV):+46 8 33 12 31 |
| **Switzerland** | Poison Center: Tel 145; +41 44 251 51 51 |
| **United Kingdom** | 111 / 0300 020 0155 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Flammable Liquid, category 2
STOT, single exposure, category 3, RTI
STOT, single exposure, category 3, NE
Acute Toxicity, Inhalation, category 4
Skin Irritation, category 2
Serious Eye Damage, category 1
Allergic effects

### 2.2. Label elements

**Signal Word**
Danger

**Hazardous ingredients which must be listed on the label**
Not Applicable

**Possible Hazards**
14.7% of the mixture consists of ingredient(s) of unknown toxicity
1.1% of the mixture consists of ingredient(s) of unknown acute oral toxicity
1.1% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
14.7% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

**GHS HAZARD STATEMENTS**

| | |
|---|---|
| H332 | Harmful if inhaled. |
| EUH208 | Contains BUTYL ACRYLATE. May produce an allergic reaction. |
| H225 | Highly flammable liquid and vapour. |
| H318 | Causes serious eye damage. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H335 | May cause respiratory irritation. |

**GHS SDS PRECAUTIONARY STATEMENTS**

| | |
|---|---|
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P240 | Ground and bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ ventilating/ lighting/ equipment. |
| P242 | Use non-sparking tools. |
| P243 | Take action to prevent static discharges. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P262 | Do not get in eyes, on skin, or on clothing. |
| P264 | Wash contaminated skin thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P321 | Specific treatment (see supplemental first aid instructions on this label). |
| P331 | Do NOT induce vomiting. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire: Use carbon dioxide to extinguish. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with national regulations. |

### 2.3. Other hazards

EMERGENCY OVERVIEW: No Information

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

This product is a mixture. Health hazard information is based on its components.

### 3.2. Mixtures

| Chemical Name | CAS-No. | EC No. | Wt. % |
|---|---|---|---|
| Xylene | 1330-20-7 | 215-535-7 | >=20 - <30 |
| ISOBUTYL ALCOHOL | 78-83-1 | 201-148-0 | >=10 - <20 |
| N-Butyl Acetate | 123-86-4 | 204-658-1 | >=5 - <10 |
| Solvent naphtha (petroleum), light aromatic | 64742-95-6 | 265-199-0 | >=1 - <5 |
| 2-ethoxy-1-methylethylacetate | 54839-24-6 | 259-370-9 | >=0.5 - <1.5 |
| Ethylbenzene | 100-41-4 | 202-849-4 | <1 |

| | | | |
|---|---|---|---|
| 1,3,5-Trimethylbenzene | 108-67-8 | 203-604-4 | <1 |
| BUTYL ACRYLATE | 141-32-2 | 205-480-7 | <0.3 |
| Toluene | 108-88-3 | 203-625-9 | <1 |

| Chemical Name | Classification (1272/2008/EC) | Specific Conc. Limits, M-factors and ATEs |
|---|---|---|
| Xylene | Flam. Liq. 3 (H226)<br>Skin Irrit. 2 (H315)<br>Acute Tox. 4 Inhalation (H332) | ATE oral (mg/kg): 3500 mg/kg Rat<br>ATE dermal (mg/kg): >4350 mg/kg Rabbit<br>ATE inhalation - vapor (mg/l/4h): N.R.<br>ATE inhalation - dust/mist (mg/l/4h): N.R. |
| ISOBUTYL ALCOHOL | Flam. Liq. 3 (H226)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Acute Tox. 4 Inhalation (H332)<br>STOT SE 3 RTI (H335)<br>STOT SE 3 NE (H336) | ATE oral (mg/kg): 2460 mg/kg Rat<br>ATE dermal (mg/kg): 3400 mg/kg Rabbit<br>ATE inhalation - vapor (mg/l/4h): >18.18 mg/L Rat |
| N-Butyl Acetate | EUH066<br>Flam. Liq. 3 (H226)<br>STOT SE 3 RTI (H335)<br>STOT SE 3 NE (H336)<br>Aquatic Chronic 3 (H412) | ATE oral (mg/kg): 10768 mg/kg Rat<br>ATE dermal (mg/kg): >17600 mg/kg Rabbit<br>ATE inhalation - vapor (mg/l/4h): 21 mg/l<br>ATE inhalation - dust/mist (mg/l/4h): N.R. |
| Solvent naphtha (petroleum), light aromatic | Asp. Tox. 1 (H304) | ATE oral (mg/kg): 8400<br>ATE dermal (mg/kg): N.R.<br>ATE inhalation - vapor (mg/l/4h): N.R.<br>ATE inhalation - dust/mist (mg/l/4h): N.R. |
| 2-ethoxy-1-methylethylacetate | Flam. Liq. 3 (H226)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 NE (H336) | N.R. |
| Ethylbenzene | Flam. Liq. 2 (H225)<br>Asp. Tox. 1 (H304)<br>Acute Tox. 4 Inhalation (H332)<br>STOT RE 2 (H373) | ATE oral (mg/kg): 3500 mg/kg Rat<br>ATE dermal (mg/kg): 15400 mg/kg Rabbit<br>ATE inhalation - vapor (mg/l/4h): 17.2 mg/L<br>ATE inhalation - dust/mist (mg/l/4h): N.R. |
| 1,3,5-Trimethylbenzene | Flam. Liq. 3 (H226)<br>STOT SE 3 RTI (H335)<br>Aquatic Chronic 2 (H411) | ATE inhalation - vapor (mg/l/4h): 24 mg/L Rat |
| BUTYL ACRYLATE | Flam. Liq. 3 (H226)<br>Skin Irrit. 2 (H315)<br>Skin Sens. 1 (H317)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 RTI (H335) | ATE oral (mg/kg): N.R.<br>ATE dermal (mg/kg): N.R.<br>ATE inhalation - vapor (mg/l/4h): N.R. |
| Toluene | Flam. Liq. 2 (H225)<br>Asp. Tox. 1 (H304)<br>Skin Irrit. 2 (H315)<br>STOT SE 3 NE (H336)<br>Repr. 2 (H361D)<br>STOT RE 2 (H373) | ATE oral (mg/kg): 2600 mg/kg Rat<br>ATE dermal (mg/kg): 12000 mg/kg Rabbit<br>ATE inhalation - vapor (mg/l/4h): N.R.<br>ATE inhalation - dust/mist (mg/l/4h): N.R. |

**For the full text of the H-Statements mentioned in this Section, see Section 16**

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General advice.**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. Do not get in eyes, on skin, or on clothing. Do not delay care and transport of a seriously injured person. Effects should disappear after individual has been exposed to fresh air for approximately 10 minutes. Remove and isolate contaminated clothing and shoes. Use first aid treatment according to the nature of the injury. Do not breathe dust. Move out of dangerous area. Use personal protective equipment. Remove all sources of ignition. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin. See section 8 for more information. Ensure adequate ventilation.

**Inhalation.**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep victim warm and quiet. If unconscious place in recovery position and seek medical advice. Artificial respiration and/or oxygen may be necessary. Administer oxygen if breathing is difficult. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed. Get medical attention if symptoms occur.

**Skin contact.**

Take off contaminated clothing and shoes immediately. Allergic symptoms may develop within 12 hours after exposure. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes. Do not remove clothing if adhering to skin. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse.

**Eye contact.**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May produce an allergic reaction. Do not rub affected area. Get medical attention immediately if symptoms occur.

**Ingestion.**

Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Remove from exposure, lie down. If swallowed, call a poison control center or doctor immediately. Keep at rest. Allergic symptoms may develop within 12 hours after exposure.

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

**Symptoms.**

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Hives. Itching. Burning. Coughing and/ or wheezing. Rashes. May cause allergic skin reaction. Drowsiness. Dizziness. Skin irritation. Eye irritation. Redness.

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

**Notes to physician.**

Treat symptomatically. May cause sensitization of susceptible persons. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media.**

Use:. Dry chemical. Carbon dioxide ($CO_2$). Water spray or fog. Alcohol-resistant foam. Move containers from fire area if you can do it without risk.

**Extinguishing media which shall not be used for safety reasons.**

Do not use a solid water stream as it may scatter and spread fire. Water may be ineffective.

### 5.2. Special hazards arising from the substance or mixture

The product causes burns of eyes, skin and mucous membranes. Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Will be easily ignited by heat, sparks or flames. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool drums with water spray. Fire will produce dense black smoke containing hazardous combustion products (see section 10). Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. Container may explode in heat of fire.

### 5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.Keep away from sources of ignition. Prevent fire fighting water from entering surface water or groundwater. Cool containers with spray water from a safe distance. Never use welding or cutting torch on or near container (even empty) because product may ignite explosively.Cool closed containers exposed to fire with water spray.
Pay attention to flashback. Refer to protective measures listed in sections 7 and 8.

# SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions.**

Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. Pay attention to flashback. All equipment used when handling the product must be grounded. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. If you have not donned special protective clothing approved for this material, do not expose yourself to any risk of this material touching you. Stop leak if you can do it without risk. Avoid contact with skin, eyes and inhalation of vapors. Do not get in eyes, on skin, or on clothing. A vapor suppressing foam may be used to reduce vapors. Wash thoroughly after handling. Contaminated surfaces will be extremely slippery. Refer to protective measures listed in sections 7 and 8. Do not breathe dust. Avoid exceeding of the given occupational exposure limits (see section 8). Wear appropriate respiratory protection and protective clothing as described in Section VIII. Corrosive.

**Advice for emergency responders.**

Pay attention to flashback. Refer to protective measures listed in sections 7 and 8.

## 6.2. Environmental precautions

Do not allow material to contaminate ground water system. Should not be released into the environment. Prevent entry into waterways, sewers, basements or confined areas. Prevent spreading of vapors through sewers, ventilation systems and confined areas. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological information. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Try to prevent the material from entering drains or water courses. Prevent further leakage or spillage if safe to do so.

## 6.3. Methods and material for containment and cleaning up

**Methods for Containment.**

Soak up with inert absorbent material. Place into closed container and store in a safe location to await disposal. Wash the spill area with soap and water. Change contaminated clothing and launder before re-use. Wear proper personal protective clothing and equipment.

**Methods for cleaning up.**

No Information

**Other information.**

All equipment used when handling the product must be grounded. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate the area. Use personal protective equipment as required.

## 6.4. Reference to other sections

See Section 8, 13 for additional information.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

**Advice on safe handling.**

Use spark-proof tools and explosion-proof equipment. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Take precautionary measures against static discharges. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Ensure adequate ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wash thoroughly after handling. Never pierce, drill, grind, cut, saw or weld any empty container. Provide sufficient air exchange and/or exhaust in work rooms. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Keep product and empty container away from heat and sources of ignition. Electrical equipment should be protected to the appropriate standard. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Keep container closed when not in use. Ground and bond containers when transferring material.

**Hygiene measures.**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday. Regular cleaning of equipment, work area and clothing is recommended.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions.**

Keep in a bunded area. Keep in properly labeled containers. Keep container tightly closed. Keep in an area equipped with sprinklers. Keep out of the reach of children. Store in accordance with the particular national regulations. Store in accordance with local regulations. Ensure all equipment is electrically grounded before beginning transfer operations. Use spark-proof tools and explosion-proof equipment. Keep locked up or in an area accessible only to qualified or authorized persons. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 7.3. Specific end use(s)

**Specific use(s).**

No Information

**Exposure scenario.**

No Information Available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limit Values**

| Chemical Name | Austria | Belgium | Denmark | European Union. | Finland | France |
|---|---|---|---|---|---|---|
| Xylene<br>1330-20-7 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | TWA: 25 ppm<br>TWA: 109 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | STEL: 100 ppm<br>STEL: 440 mg/m3<br>TWA: 50 ppm<br>TWA: 220 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 |
| ISOBUTYL ALCOHOL<br>78-83-1 | STEL: 200 ppm<br>STEL: 600 mg/m3<br>TWA: 50 ppm<br>TWA: 150 mg/m3 | TWA: 50 ppm<br>TWA: 154 mg/m3 | N.D. | N.D. | STEL: 75 ppm<br>STEL: 230 mg/m3<br>TWA: 150 mg/m3<br>TWA: 50 ppm | TWA: 50 ppm<br>TWA: 150 mg/m3 |
| N-Butyl Acetate<br>123-86-4 | STEL: 100 ppm<br>STEL: 480 mg/m3<br>TWA: 50 ppm<br>TWA: 241 mg/m3 | STEL: 150 ppm<br>STEL: 712 mg/m3<br>TWA: 50 ppm<br>TWA: 238 mg/m3 | TWA: 50 ppm<br>TWA: 241 mg/m3 | N.D. | STEL: 150 ppm<br>STEL: 725 mg/m3<br>TWA: 50 ppm<br>TWA: 240 mg/m3 | STEL: 150 ppm<br>STEL: 723 mg/m3<br>TWA: 50 ppm<br>TWA: 241 mg/m3 |
| Solvent naphtha (petroleum), light aromatic<br>64742-95-6 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| 2-ethoxy-1-methylethylacetate<br>54839-24-6 | STEL: 200 ppm<br>STEL: 1200 mg/m3<br>TWA: 50 ppm<br>TWA: 300 mg/m3 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Ethylbenzene<br>100-41-4 | STEL: 200 ppm<br>STEL: 880 mg/m3<br>TWA: 100 ppm<br>TWA: 440 mg/m3 | STEL: 125 ppm<br>STEL: 551 mg/m3<br>TWA: 20 ppm<br>TWA: 87 mg/m3 | TWA: 50 ppm<br>TWA: 217 mg/m3 | STEL: 200 ppm<br>STEL: 884 mg/m3<br>TWA: 100 ppm<br>TWA: 442 mg/m3 | STEL: 200 ppm<br>STEL: 880 mg/m3<br>TWA: 50 ppm<br>TWA: 220 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 20 ppm<br>TWA: 88.4 mg/m3 |
| 1,3,5-Trimethylbenzene<br>108-67-8 | STEL: 30 ppm<br>STEL: 150 mg/m3<br>TWA: 20 ppm<br>TWA: 100 mg/m3 | TWA: 20 ppm<br>TWA: 100 mg/m3 | TWA: 20 ppm<br>TWA: 100 mg/m3 | TWA: 20 ppm<br>TWA: 100 mg/m3 | TWA: 20 ppm<br>TWA: 100 mg/m3 | STEL: 50 ppm<br>STEL: 250 mg/m3<br>TWA: 20 ppm<br>TWA: 100 mg/m3 |
| BUTYL ACRYLATE<br>141-32-2 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 |

| Chemical Name | Austria | Belgium | Denmark | European Union. | Finland | France |
|---|---|---|---|---|---|---|
| Toluene<br>108-88-3 | STEL: 100 ppm<br>STEL: 380 mg/m3<br>TWA: 50 ppm<br>TWA: 190 mg/m3 | STEL: 100 ppm<br>STEL: 384 mg/m3<br>TWA: 20 ppm<br>TWA: 77 mg/m3 | TWA: 25 ppm<br>TWA: 94 mg/m3 | STEL: 100 ppm<br>STEL: 384 mg/m3<br>TWA: 50 ppm<br>TWA: 192 mg/m3 | STEL: 100 ppm<br>STEL: 380 mg/m3<br>TWA: 25 ppm<br>TWA: 81 mg/m3 | STEL: 100 ppm<br>STEL: 384 mg/m3<br>TWA: 20 ppm<br>TWA: 76.8 mg/m3 |
| **Chemical Name** | **Germany** | **Iceland** | **Ireland** | **Italy** | **Luxembourg** | **Netherlands** |
| Xylene<br>1330-20-7 | STEL: 100 ppm<br>STEL: 440 mg/m3<br>TWA: 50 ppm<br>TWA: 220 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 25 ppm<br>TWA: 109 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 47.5 ppm<br>TWA: 210 mg/m3 |
| ISOBUTYL ALCOHOL<br>78-83-1 | STEL: 100 ppm<br>STEL: 310 mg/m3<br>TWA: 100 ppm<br>TWA: 310 mg/m3 | STEL: 50 ppm<br>STEL: 150 mg/m3 | STEL: 225 mg/m3<br>STEL: 75 ppm<br>TWA: 150 mg/m3<br>TWA: 50 ppm | N.D. | N.D. | N.D. |
| N-Butyl Acetate<br>123-86-4 | STEL: 200 ppm<br>STEL: 960 mg/m3<br>TWA: 100 ppm<br>TWA: 480 mg/m3 | STEL: 150 ppm<br>STEL: 723 mg/m3<br>TWA: 50 ppm<br>TWA: 241 mg/m3 | STEL: 150 ppm<br>STEL: 723 mg/m3 | STEL: 723 mg/m3<br>STEL: 150 ppm<br>TWA: 241 mg/m3<br>TWA: 50 ppm | STEL: 723 mg/m3<br>STEL: 150 ppm<br>TWA: 241 mg/m3<br>TWA: 50 ppm | STEL: 150 ppm<br>STEL: 723 mg/m3<br>TWA: 50 ppm<br>TWA: 241 mg/m3 |
| Solvent naphtha (petroleum), light aromatic<br>64742-95-6 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| 2-ethoxy-1-methylethylacetate<br>54839-24-6 | STEL: 40 ppm<br>STEL: 240 mg/m3<br>TWA: 20 ppm<br>TWA: 120 mg/m3 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Ethylbenzene<br>100-41-4 | STEL: 40 ppm<br>STEL: 176 mg/m3<br>TWA: 20 ppm<br>TWA: 88 mg/m3 | STEL: 200 ppm<br>STEL: 884 mg/m3<br>TWA: 50 ppm<br>TWA: 200 mg/m3 | STEL: 200 ppm<br>STEL: 884 mg/m3<br>TWA: 100 ppm<br>TWA: 442 mg/m3 | STEL: 200 ppm<br>STEL: 884 mg/m3<br>TWA: 100 ppm<br>TWA: 442 mg/m3 | STEL: 200 ppm<br>STEL: 884 mg/m3<br>TWA: 100 ppm<br>TWA: 442 mg/m3 | STEL: 97.3 ppm<br>STEL: 430 mg/m3<br>TWA: 48.6 ppm<br>TWA: 215 mg/m3 |
| 1,3,5-Trimethylbenzene<br>108-67-8 | STEL: 40 ppm<br>STEL: 200 mg/m3<br>TWA: 20 ppm<br>TWA: 100 mg/m3 | TWA: 20 ppm<br>TWA: 100 mg/m3 | STEL: 60 ppm<br>STEL: 300 mg/m3<br>TWA: 20 ppm<br>TWA: 100 mg/m3 | TWA: 20 ppm<br>TWA: 100 mg/m3 | TWA: 20 ppm<br>TWA: 100 mg/m3 | N.D. |
| BUTYL ACRYLATE<br>141-32-2 | STEL: 4 ppm<br>STEL: 22 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 | STEL: 10 ppm<br>STEL: 53 mg/m3<br>TWA: 2 ppm<br>TWA: 11 mg/m3 |
| Toluene<br>108-88-3 | STEL: 100 ppm<br>STEL: 380 mg/m3<br>TWA: 50 ppm<br>TWA: 190 mg/m3 | STEL: 50 ppm<br>STEL: 188 mg/m3<br>TWA: 25 ppm<br>TWA: 94 mg/m3 | STEL: 384 mg/m3<br>STEL: 100 ppm<br>TWA: 192 mg/m3<br>TWA: 50 ppm | TWA: 50 ppm<br>TWA: 192 mg/m3 | STEL: 100 ppm<br>STEL: 384 mg/m3<br>TWA: 50 ppm<br>TWA: 192 mg/m3 | STEL: 100 ppm<br>STEL: 384 mg/m3<br>TWA: 39 ppm<br>TWA: 150 mg/m3 |
| **Chemical Name** | **Norway** | **Portugal** | **Spain** | **Sweden** | **Switzerland** | **United Kingdom** |
| Xylene<br>1330-20-7 | STEL: 37.5 ppm<br>STEL: 135 mg/m3<br>TWA: 25 ppm<br>TWA: 108 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | STEL: 100 ppm<br>STEL: 442 mg/m3<br>TWA: 50 ppm<br>TWA: 221 mg/m3 | STEL: 100 ppm<br>STEL: 440 mg/m3<br>TWA: 50 ppm<br>TWA: 220 mg/m3 | STEL: 100 ppm<br>STEL: 441 mg/m3<br>TWA: 50 ppm<br>TWA: 220 mg/m3 |
| ISOBUTYL ALCOHOL<br>78-83-1 | N.D. | TWA: 50 ppm | TWA: 50 ppm<br>TWA: 154 mg/m3 | STEL: 75 ppm<br>STEL: 250 mg/m3<br>TWA: 50 ppm<br>TWA: 150 mg/m3 | STEL: 50 ppm<br>STEL: 150 mg/m3<br>TWA: 50 ppm<br>TWA: 150 mg/m3 | STEL: 75 ppm<br>STEL: 231 mg/m3<br>TWA: 50 ppm<br>TWA: 154 mg/m3 |
| N-Butyl Acetate<br>123-86-4 | STEL: 723 mg/m3<br>STEL: 150 ppm<br>TWA: 241 mg/m3<br>TWA: 50 ppm | STEL: 150 ppm<br>STEL: 723 mg/m3<br>TWA: 50 ppm<br>TWA: 241 mg/m3 | STEL: 150 ppm<br>STEL: 723 mg/m3<br>TWA: 50 ppm<br>TWA: 241 mg/m3 | STEL: 150 ppm<br>STEL: 723 mg/m3<br>TWA: 50 ppm<br>TWA: 241 mg/m3 | STEL: 150 ppm<br>STEL: 720 mg/m3<br>TWA: 50 ppm<br>TWA: 240 mg/m3 | STEL: 200 ppm<br>STEL: 966 mg/m3<br>TWA: 150 ppm<br>TWA: 724 mg/m3 |
| Solvent naphtha (petroleum), light aromatic<br>64742-95-6 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |

| Chemical Name | Norway | Portugal | Spain | Sweden | Switzerland | United Kingdom |
|---|---|---|---|---|---|---|
| 2-ethoxy-1-methylethylacetate 54839-24-6 | N.D. | N.D. | N.D. | N.D. | STEL: 100 ppm STEL: 600 mg/m3 TWA: 50 ppm TWA: 300 mg/m3 | N.D. |
| Ethylbenzene 100-41-4 | STEL: 10 ppm STEL: 30 mg/m3 TWA: 5 ppm TWA: 20 mg/m3 | STEL: 200 ppm STEL: 884 mg/m3 TWA: 100 ppm TWA: 442 mg/m3 | STEL: 200 ppm STEL: 884 mg/m3 TWA: 100 ppm TWA: 441 mg/m3 | STEL: 200 ppm STEL: 884 mg/m3 TWA: 50 ppm TWA: 220 mg/m3 | STEL: 50 ppm STEL: 220 mg/m3 TWA: 50 ppm TWA: 220 mg/m3 | STEL: 125 ppm STEL: 552 mg/m3 TWA: 100 ppm TWA: 441 mg/m3 |
| 1,3,5-Trimethylbenzene 108-67-8 | STEL: 150 mg/m3 STEL: 30 ppm TWA: 20 ppm TWA: 100 mg/m3 | TWA: 20 ppm TWA: 100 mg/m3 | TWA: 20 ppm TWA: 100 mg/m3 | STEL: 35 ppm STEL: 170 mg/m3 TWA: 20 ppm TWA: 100 mg/m3 | N.D. | N.D. |
| BUTYL ACRYLATE 141-32-2 | STEL: 4 ppm STEL: 16.5 mg/m3 TWA: 2 ppm TWA: 11 mg/m3 | STEL: 10 ppm STEL: 53 mg/m3 TWA: 2 ppm TWA: 11 mg/m3 | STEL: 10 ppm STEL: 53 mg/m3 TWA: 2 ppm TWA: 11 mg/m3 | STEL: 10 ppm STEL: 53 mg/m3 TWA: 2 ppm TWA: 11 mg/m3 | STEL: 4 ppm STEL: 22 mg/m3 TWA: 2 ppm TWA: 11 mg/m3 | STEL: 5 ppm STEL: 26 mg/m3 TWA: 1 ppm TWA: 5 mg/m3 |
| Toluene 108-88-3 | STEL: 37.5 ppm STEL: 141 mg/m3 TWA: 25 ppm TWA: 94 mg/m3 | STEL: 100 ppm STEL: 384 mg/m3 TWA: 50 ppm TWA: 192 mg/m3 | STEL: 100 ppm STEL: 384 mg/m3 TWA: 50 ppm TWA: 192 mg/m3 | STEL: 100 ppm STEL: 384 mg/m3 TWA: 50 ppm TWA: 192 mg/m3 | STEL: 200 ppm STEL: 760 mg/m3 TWA: 50 ppm TWA: 190 mg/m3 | STEL: 100 ppm STEL: 384 mg/m3 TWA: 50 ppm TWA: 191 mg/m3 |

TWA: Time weighted average
STEL: Short term exposure limit.

**EU - REACH (1906/2006) Registration Data - Derived No Effect Levels (DNELs)**

| Chemical Name | CAS Number | DNEL |
|---|---|---|
| ISOBUTYL ALCOHOL | 78-83-1 | general population inhalation local effects long term exposure 55 mg/m3 DNEL (201-148-0); workers inhalation local effects long term exposure 310 mg/m3 DNEL (201-148-0) |
| Solvent naphtha (petroleum), light aromatic | 64742-95-6 | general population inhalation local effects long term exposure 178.57 mg/m3 DNEL (265-199-0); general population inhalation local effects acute/short term exposure 640 mg/m3 DNEL (265-199-0); workers inhalation local effects long term exposure 837.5 mg/m3 DNEL (265-199-0); workers inhalation local effects acute/short term exposure 1066.67 mg/m3 DNEL (265-199-0); general population inhalation systemic effects acute/short term exposure 1152 mg/m3 DNEL (265-199-0); workers inhalation systemic effects acute/short term exposure 1286.4 mg/m3 DNEL (265-199-0) |
| 2-ethoxy-1-methylethylacetate | 54839-24-6 | general population oral systemic effects long term exposure 13.1 mg/kg bw/day DNEL (259-370-9); general population dermal systemic effects long term exposure 62 mg/kg bw/day DNEL (259-370-9); workers dermal systemic effects long term exposure 103 mg/kg bw/day DNEL (259-370-9); workers inhalation systemic effects long term exposure 152 mg/m3 DNEL (259-370-9); general population inhalation systemic effects long term exposure 181 mg/m3 DNEL (259-370-9); general population inhalation systemic effects acute/short term exposure 1420 mg/m3 DNEL (259-370-9); workers inhalation systemic effects acute/short term exposure 2366 mg/m3 DNEL (259-370-9) |
| Ethylbenzene | 100-41-4 | general population oral systemic effects long term exposure 1.6 mg/kg bw/day DNEL (202-849-4); general population inhalation systemic effects long term exposure 15 mg/m3 DNEL (202-849-4); workers inhalation systemic effects long term exposure 77 mg/m3 DNEL (202-849-4); workers dermal systemic effects long term exposure 180 mg/kg bw/day DNEL (202-849-4); workers inhalation local effects acute/short term exposure 293 mg/m3 DNEL (202-849-4) |
| BUTYL ACRYLATE | 141-32-2 | workers inhalation local effects long term exposure 11 mg/m3 DNEL (205-480-7) |

| Chemical Name | CAS Number | DNEL |
|---|---|---|
| Toluene | 108-88-3 | general population oral systemic effects long term exposure 8.13 mg/kg bw/day DNEL (203-625-9); general population inhalation systemic effects long term exposure 56.5 mg/m3 DNEL (203-625-9); general population inhalation local effects long term exposure 56.5 mg/m3 DNEL (203-625-9); workers inhalation systemic effects long term exposure 192 mg/m3 DNEL (203-625-9); workers inhalation local effects long term exposure 192 mg/m3 DNEL (203-625-9); general population inhalation systemic effects acute/short term exposure 226 mg/m3 DNEL (203-625-9); general population inhalation local effects acute/short term exposure 226 mg/m3 DNEL (203-625-9); general population dermal systemic effects long term exposure 226 mg/kg bw/day DNEL (203-625-9); workers inhalation systemic effects acute/short term exposure 384 mg/m3 DNEL (203-625-9); workers inhalation local effects acute/short term exposure 384 mg/m3 DNEL (203-625-9); workers dermal systemic effects long term exposure 384 mg/kg bw/day DNEL (203-625-9) |

**EU - REACH (1906/2006) Registration Data - Predicted No Effect Concentrations (PNECs)**

| Chemical Name | CAS Number | PNEC |
|---|---|---|
| N-Butyl Acetate | 123-86-4 | 0.18 mg/L PNEC (freshwater, 204-658-1); 0.018 mg/L PNEC (marine water, 204-658-1); 0.36 mg/L PNEC (freshwater (intermittent releases), 204-658-1); 0.981 mg/kg sediment dw PNEC (sediment (freshwater), 204-658-1); 0.0981 mg/kg sediment dw PNEC (sediment (marine water), 204-658-1); 35.6 mg/L PNEC (sewage treatment, 204-658-1); 0.0903 mg/kg soil dw PNEC (soil, 204-658-1) |
| 2-ethoxy-1-methylethylacetate | 54839-24-6 | 117 mg/kg food PNEC (oral, 259-370-9); 2 mg/L PNEC (freshwater, 259-370-9); 0.2 mg/L PNEC (marine water, 259-370-9); 2 mg/L PNEC (freshwater (intermittent releases), 259-370-9); 8.2 mg/kg sediment dw PNEC (sediment (freshwater), 259-370-9); 0.82 mg/kg sediment dw PNEC (sediment (marine water), 259-370-9); 62.5 mg/L PNEC (sewage treatment, 259-370-9); 0.67 mg/kg soil dw PNEC (soil, 259-370-9) |
| Ethylbenzene | 100-41-4 | 0.02 g/kg food PNEC (oral, 202-849-4); 13.7 mg/kg sediment dw PNEC (sediment (freshwater), 202-849-4); 1.37 mg/kg sediment dw PNEC (sediment (marine water), 202-849-4); 2.68 mg/kg soil dw PNEC (soil, 202-849-4); 0.1 mg/L PNEC (freshwater, 202-849-4); 0.01 mg/L PNEC (marine water, 202-849-4); 0.1 mg/L PNEC (freshwater (intermittent releases), 202-849-4); 9.6 mg/L PNEC (sewage treatment, 202-849-4) |
| 1,3,5-Trimethylbenzene | 108-67-8 | 0.101 mg/L PNEC (freshwater, 203-604-4); 0.101 mg/L PNEC (marine water, 203-604-4); 0.101 mg/L PNEC (freshwater (intermittent releases), 203-604-4); 7.86 mg/kg sediment dw PNEC (sediment (freshwater), 203-604-4); 7.86 mg/kg sediment dw PNEC (sediment (marine water), 203-604-4); 2.02 mg/L PNEC (sewage treatment, 203-604-4); 1.34 mg/kg soil dw PNEC (soil, 203-604-4) |
| BUTYL ACRYLATE | 141-32-2 | 0.00272 mg/L PNEC (freshwater, 205-480-7); 0.000272 mg/L PNEC (marine water, 205-480-7); 0.011 mg/L PNEC (freshwater (intermittent releases), 205-480-7); 0.0338 mg/kg sediment dw PNEC (sediment (freshwater), 205-480-7); 0.00338 mg/kg sediment dw PNEC (sediment (marine water), 205-480-7); 3.5 mg/L PNEC (sewage treatment, 205-480-7); 1 mg/kg soil dw PNEC (soil, 205-480-7) |

**EU - REACH (1906/2006) Article 59(1) - Candidate Substances of Very High Concern (SVHC)**

None

### 8.2. Exposure controls

**Engineering Measures.**

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Personal protective equipment.**

**Eye/Face Protection.**

Tightly fitting safety goggles. If splashes are likely to occur, wear:. Face-shield. Chemical resistant goggles must be worn.

**Skin and body protection.**

No special protective equipment required. Solvent-resistant gloves. Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Follow the skin protection plan. Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Flame retardant antistatic protective clothing. Antistatic boots.

The selected protective gloves have to satisfy the specifications of EU Regulation (EU) 2016/425 and the standard EN 374 derived from it.

**Respiratory protection.**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In the case of dust or aerosol formation use respirator with an approved filter. Breathing apparatus with filter. Respirator with filter for organic vapor. Respirator with a vapor filter (EN 141).

**Environmental Exposure Controls.**

No Information

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| **Physical state** | Liquid |
| **Appearance** | No Information |
| **Colour** | No Information |
| **Odour** | No Information |
| **Odour Threshold** | No Information |
| **pH** | No Information |
| **Melting Point, °C** | No Information |
| **Flash Point, °C** | 22 |
| **Boiling Range, °C** | 107 - 165 |
| **Combustibility** | Does not Support Combustion |
| **Vapor Pressure, mmHg** | No Information |
| **Vapor density** | No Information |
| **Specific Gravity (g/cm3)** | Not Applicable |
| **Solubility in water** | No Information |
| **Partition Coefficient, n-octanol/water** | No Information |
| **Auto-Ignition Temperature, °C** | No Information |
| **Decomposition temperature, °C** | No Information |
| **Viscosity** | No Information |

### 9.2. Other information

| | |
|---|---|
| **Volatile organic compounds (VOC) content.** | 653.214722418 |

### 9.2.1. Information with regard to physical hazard classes

No Information

### 9.2.2. Other safety characteristics

| | |
|---|---|
| **Evaporation rate** | No Information Available |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable.

### 10.2. Chemical stability

Stable under recommended storage conditions. Risk of ignition. To avoid thermal decomposition, do not overheat. Keep away from open flames, hot surfaces and sources of ignition.

### 10.3. Possibility of hazardous reactions

None known based on information supplied.

### 10.4. Conditions to avoid

Excessive heat. Storage near to reactive materials. Take precautionary measures against static discharges. Direct sources of heat.

### 10.5. Incompatible materials

Reducing agents. Risk of explosion if heated under confinement. Vapors are flammable. May form explosive mixtures in air. Oxidizing agents.

### 10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity.**

Harmful if inhaled.

**Product Information**

The product itself has not been tested
Data on individual components are tabulated below

**The following values are calculated based on chapter 3.1 of the GHS document.**

| | |
|---|---|
| **ATEmix (oral)** | N.R. |
| **ATEmix (dermal)** | N.R. |
| **ATEmix (inhalation-vapor)** | 132.95 mg/l |

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|---|
| 1330-20-7 | Xylene | 3500 mg/kg Rat | >4350 mg/kg Rabbit | N.R. |
| 78-83-1 | ISOBUTYL ALCOHOL | 2460 mg/kg Rat | 3400 mg/kg Rabbit | >18.18 mg/L Rat |
| 123-86-4 | N-Butyl Acetate | 10768 mg/kg Rat | >17600 mg/kg Rabbit | 21 mg/l |
| 64742-95-6 | Solvent naphtha (petroleum), light aromatic | 8400 | N.R. | N.R. |
| 54839-24-6 | 2-ethoxy-1-methylethylacetate | N.R. | N.R. | N.R. |
| 100-41-4 | Ethylbenzene | 3500 mg/kg Rat | 15400 mg/kg Rabbit | 17.2 mg/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | N.R. | N.R. | 24 mg/L Rat |
| 141-32-2 | BUTYL ACRYLATE | N.R. | N.R. | N.R. |
| 108-88-3 | Toluene | 2600 mg/kg Rat | 12000 mg/kg Rabbit | N.R. |

**Skin corrosion/irritation.**

May cause allergic skin reaction. Irritating to skin. May cause irritation. May cause skin irritation. SKIN IRRITANT.

**Eye damage/irritation.**

Causes serious eye damage.

**Respiratory or skin sensitization.**

Harmful if inhaled. Harmful by inhalation. May be harmful if inhaled. May cause irritation. May cause drowsiness. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Specific target organ systemic toxicity (single exposure).**

Vapors may cause drowsiness and dizziness.

### 11.2. Information on other hazards

**Endocrine disrupting properties**

N.A.

**Other information.**

N.A.

# SECTION 12: Ecological information

## 12.1. Toxicity

<1% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects.**

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia. |
|---|---|---|---|
| Xylene<br>1330-20-7 | N.D. | LC50 96 h Pimephales promelas 13.4 mg/L, LC50 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L, LC50 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L, LC50 96 h Lepomis macrochirus 13.1 - 16.5 mg/L, LC50 96 h Lepomis macrochirus 19 mg/L, LC50 96 h Lepomis macrochirus 7.711 - 9.591 mg/L, LC50 96 h Pimephales promelas 23.53 - 29.97 mg/L, LC50 96 h Cyprinus carpio 780 mg/L, LC50 96 h Cyprinus carpio >780 mg/L, LC50 96 h Poecilia reticulata 30.26 - 40. | EC50 48 h water flea 3.82 mg/L, LC50 48 h Gammarus lacustris 0.6 mg/L |
| ISOBUTYL ALCOHOL<br>78-83-1 | N.D. | LC50 96 h Pimephales promelas 375 mg/L, LC50 96 h Pimephales promelas 1370 - 1670 mg/L, LC50 96 h Lepomis macrochirus 1480 - 1730 mg/L, LC50 96 h Oncorhynchus mykiss 1120 - 1520 mg/L | EC50 48 h Daphnia magna 1300 mg/L, EC50 48 h Daphnia magna 1070 - 1933 mg/L |
| N-Butyl Acetate<br>123-86-4 | EC50 72 h Desmodesmus subspicatus 674.7 mg/L | LC50 96 h Lepomis macrochirus 100 mg/L, LC50 96 h Pimephales promelas 17 - 19 mg/L | N.D. |
| Solvent naphtha (petroleum), light aromatic<br>64742-95-6 | N.D. | LC50 96 h Oncorhynchus mykiss 9.22 mg/L | EC50 48 h Daphnia magna 6.14 mg/L |
| 2-ethoxy-1-methylethylacetate<br>54839-24-6 | N.D. | LC50 96 h Oncorhynchus mykiss 140 mg/L | EC50 48 h Daphnia magna 96 - 130 mg/L |
| Ethylbenzene<br>100-41-4 | EC50 72 h Pseudokirchneriella subcapitata 4.6 mg/L, EC50 96 h Pseudokirchneriella subcapitata >438 mg/L, EC50 72 h Pseudokirchneriella subcapitata 2.6 - 11.3 mg/L, EC50 96 h Pseudokirchneriella subcapitata 1.7 - 7.6 mg/L | LC50 96 h Oncorhynchus mykiss 11.0 - 18.0 mg/L, LC50 96 h Oncorhynchus mykiss 4.2 mg/L, LC50 96 h Pimephales promelas 7.55 - 11 mg/L, LC50 96 h Lepomis macrochirus 32 mg/L, LC50 96 h Pimephales promelas 9.1 - 15.6 mg/L, LC50 96 h Poecilia reticulata 9.6 mg/L | EC50 48 h Daphnia magna 1.8 - 2.4 mg/L |
| 1,3,5-Trimethylbenzene<br>108-67-8 | N.D. | LC50 96 h Pimephales promelas 3.48 mg/L | N.D. |
| BUTYL ACRYLATE<br>141-32-2 | EC50 96 h Pseudokirchneriella subcapitata 5.5 mg/L | LC50 96 h Oncorhynchus mykiss 5.2 mg/L | EC50 48 h Daphnia magna 8.2 mg/L |
| Toluene<br>108-88-3 | EC50 96 h Pseudokirchneriella subcapitata >433 mg/L, EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L | LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L, LC50 96 h Pimephales promelas 12.6 mg/L, LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L, LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L, LC50 96 h Oncorhynchus mykiss 5.8 mg/L, LC50 96 h Lepomis macrochirus 11.0 - 15.0 mg/L, LC50 96 h Oryzias latipes 54 mg/L, LC50 96 h Poecilia reticulata 28.2 mg/L, LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L | EC50 48 h Daphnia magna 5.46 - 9.83 mg/L, EC50 48 h Daphnia magna 11.5 mg/L |

### 12.2. Persistence and degradability
No data are available on the product itself

### 12.3. Bioaccumulative potential
No Information

| CAS-No. | Chemical Name | Bio. Conc. Factor (BCF) | Octanol-water par. Coeff (KOW) |
|---|---|---|---|
| 1330-20-7 | Xylene | N.I. | 2.77 - 3.15 |
| 78-83-1 | ISOBUTYL ALCOHOL | N.I. | 1 |
| 123-86-4 | N-Butyl Acetate | N.I. | 1.81, 2.3 |
| 64742-95-6 | Solvent naphtha (petroleum), light aromatic | N.I. | N.I. |
| 54839-24-6 | 2-ethoxy-1-methylethylacetate | N.I. | 0.76 |
| 100-41-4 | Ethylbenzene | N.I. | 3.6 |
| 108-67-8 | 1,3,5-Trimethylbenzene | N.I. | N.I. |
| 141-32-2 | BUTYL ACRYLATE | N.I. | 2.38 |
| 108-88-3 | Toluene | N.I. | 2.73 |

### 12.4. Mobility in soil
**Mobility in soil.**
No information available

### 12.5. Results of PBT and vPvB assessment
No data are available on the product itself

### 12.6. Endocrine disrupting properties
No information available

### 12.7. Other adverse effects
No information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods
**Waste from residues / unused products.**
Disposal should be in accordance with applicable regional, national and local laws and regulations. Dispose of contents/container to an approved waste disposal plant.

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

**Other information.**
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

## SECTION 14: Transport information

**ADR**

| | |
|---|---|
| **14.1. UN number or ID number** | 1263 |
| **14.2. UN proper shipping name** | Paint Related Material |
| **14.3. Transport hazard class(es)** | 3 |
| **14.4. Packing group** | II |
| **14.5. Environmental hazards** | No. |
| **14.6. Special precautions for user** | No Information |

**IMDG**

| | |
|---|---|
| **14.1. UN number or ID number** | 1263 |
| **14.2. UN proper shipping name** | Paint Related Material |
| **14.3. Transport hazard class(es)** | 3 |
| **14.4. Packing group** | II |
| **14.5 Marine Pollutant** | No. |
| **Environmental hazards** | No. |
| **14.6. Special precautions for user** | No Information |

**14.7. Maritime transport in bulk according to IMO instruments** No Information

**IATA**

**14.1. UN number or ID number** 1263

**14.2. UN proper shipping name** Paint Related Material

**14.3. Transport hazard class(es)** 3

**14.4. Packing group** II

**14.5. Environmental hazards** No.

**14.6. Special precautions for user** No Information

## SECTION 15: Regulatory information

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

**National regulatory information.**

**French table of occupational diseases**

| CAS-No. | Chemical Name | French table of occupational diseases |
|---|---|---|
| 78-83-1 | ISOBUTYL ALCOHOL | RG 84 |
| 123-86-4 | N-Butyl Acetate | RG 84 |
| 64742-95-6 | Solvent naphtha (petroleum), light aromatic | RG 84 |
| 54839-24-6 | 2-ethoxy-1-methylethylacetate | RG 84 |
| 100-41-4 | Ethylbenzene | RG 84 |
| 108-67-8 | 1,3,5-Trimethylbenzene | RG 84 |
| 141-32-2 | BUTYL ACRYLATE | RG 65 |

**European Union.**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Persistent Organic Pollutants**

Not applicable

**Authorizations and/or restrictions on use:**

| CAS-No. | Chemical Name | Substance subject to authorization per REACH Annex XIV | Restricted substance per REACH Annex XVII |
|---|---|---|---|
| 1330-20-7 | Xylene | No. | Yes. |
| 78-83-1 | ISOBUTYL ALCOHOL | No. | Yes. |
| 64742-95-6 | Solvent naphtha (petroleum), light aromatic | No. | Yes. |
| 141-32-2 | BUTYL ACRYLATE | No. | Yes. |
| 108-88-3 | Toluene | No. | Yes. |

**EU Substances of Very High Concern**

None

**International Inventories.**

**TSCA** Contains Non Listed Components

**DSL** Contains Non Listed Components

**EINECS/ELINCS** Contains Non Listed Components

**ENCS** Contains Non Listed Components

**IECSC** Contains Non Listed Components

**KECI** Contains Non Listed Components

**PICCS** Contains Non Listed Components

**AIIC** Contains Non Listed Components

**NZIoC** Contains Non Listed Components

| | |
|---|---|
| **TSCA** | United States Toxic Substances Control Act Section 8(b) Inventory. |
| **DSL** | Canadian Domestic Substances List. |
| **EINECS/ELINCS** | European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances. |
| **ENCS** | Japan Existing and New Chemical Substances. |
| **IECSC** | China Inventory of Existing Chemical Substances. |
| **KECL** | Korean Existing and Evaluated Chemical Substances. |
| **PICCS** | Philippines Inventory of Chemicals and Chemical Substances. |
| **AIIC** | Australian Inventory of Industrial Chemicals. |
| **NZIoC** | New Zealand Inventory of Chemicals. |

**15.2. Chemical safety assessment**

No.

## SECTION 16: Other information

**Revision Date** 9/3/2025

**Indication of changes:** Commission Regulation (EU) 2020/878: amending Annex II by introducing specific requirements regarding nanoforms of substances, adapting to the 6th and 7th revision of the GHS, and adding requirements regarding the Unique Formula Identifier (as set by Annex VIII to Regulation (EC) 1272/2008), endocrine disrupting properties, specific concentration limits, M-factors and acute toxicity estimates.

**Legend.**

| | |
|---|---|
| N.D. | No data available. |
| N.I. | No information available. |
| N.A. | Not Applicable. |
| N.R. | Not relevant. |

This safety datasheet complies with the requirements of Regulation (EC) No. 2020/878

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