# Safety Data Sheet

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

### 1.1. Product identifier

| | |
|---|---|
| **Product identifier.** | X025 |
| **Product name.** | NO. 60 DEGREASER |
| **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
Germ Cell Mutagenicity, category 1B
Reproductive_ToxicityD_category_2
Aspiration Hazard, category 1
Hazardous to the aquatic environment, Chronic, category 3

### 2.2. Label elements

**Signal Word**

Danger

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

**Possible Hazards**
94.2% of the mixture consists of ingredient(s) of unknown toxicity
94.2% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

**GHS HAZARD STATEMENTS**

| | |
|---|---|
| H304 | May be fatal if swallowed and enters airways. |
| H225 | Highly flammable liquid and vapour. |
| H340 | May cause genetic defects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H361D | Suspected of damaging the unborn child. |

**GHS SDS PRECAUTIONARY STATEMENTS**

| | |
|---|---|
| P102 | Keep out of reach of children. |
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| 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. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P331 | Do NOT induce vomiting. |
| P370+P378 | In case of fire: Use carbon dioxide to extinguish. |
| 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. % |
|---|---|---|---|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | 265-151-9 | >=80 - <100 |
| Toluene | 108-88-3 | 203-625-9 | >=1 - <5 |
| Hexane | 110-54-3 | 203-777-6 | >=1 - <3 |
| Cyclohexane | 110-82-7 | 203-806-2 | <1 |

| Chemical Name | Classification (1272/2008/EC) | Specific Conc. Limits, M-factors and ATEs |
|---|---|---|
| Naphtha, petroleum, hydrotreated light | Asp. Tox. 1 (H304)<br>Muta. 1B (H340) | ATE oral (mg/kg): 5000 mg/kg ( Rat )<br>ATE dermal (mg/kg): > 3160 mg/kg ( Rabbit ) |
| 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. |

| | | |
|---|---|---|
| Hexane | Flam. Liq. 2 (H225)<br>Asp. Tox. 1 (H304)<br>Skin Irrit. 2 (H315)<br>STOT SE 3 NE (H336)<br>Repr. 2 (H361F)<br>STOT RE 2 (H373)<br>Aquatic Chronic 2 (H411) | ATE oral (mg/kg): 25000 mg/kg Rat<br>ATE dermal (mg/kg): 3000 mg/kg Rabbit |
| Cyclohexane | Flam. Liq. 2 (H225)<br>Asp. Tox. 1 (H304)<br>Skin Irrit. 2 (H315)<br>STOT SE 3 NE (H336)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) | ATE oral (mg/kg): 12705 mg/kg Rat<br>ATE dermal (mg/kg): >2000 mg/kg Rabbit<br>ATE inhalation - vapor (mg/l/4h): >32.9 mg/L Rat |

**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 delay care and transport of a seriously injured person. Remove and isolate contaminated clothing and shoes. 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. See section 8 for more information. Ensure adequate ventilation.

**Inhalation.**

Remove from exposure, lie down. Remove person to fresh air. If signs/symptoms continue, get medical attention. Remove to fresh air. 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 physician or poison control center immediately. Aspiration into lungs can produce severe lung damage. Get medical attention if symptoms occur.

**Skin contact.**

Take off contaminated clothing and shoes immediately. 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. Get medical attention if symptoms occur. 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. Do not rub affected area. Call a physician if irritation develops or persists.

**Ingestion.**

Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Remove from exposure, lie down. Aspiration hazard if swallowed - can enter lungs and cause damage. If swallowed, call a poison control center or doctor immediately. Keep at rest. If a person vomits when lying on his back, place him in the recovery position.

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

**Symptoms.**

Difficulty in breathing. Coughing and/ or wheezing.

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

**Notes to physician.**

Treat symptomatically. Symptoms may be delayed. Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung edema or pneumonia. Risk of serious damage to the lungs (by aspiration).

## 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

Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Runoff may pollute waterways. 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. Do not allow run-off from fire fighting to enter drains or water courses. 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 or walk through spilled material. Stop leak if you can do it without risk. Avoid contact with skin, eyes and inhalation of vapors. 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. Wear appropriate respiratory protection and protective clothing as described in Section VIII.

**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. Take precautionary measures against static discharges. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). 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. Never pierce, drill, grind, cut, saw or weld any empty container. 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. Keep product and empty container away from heat and sources of ignition. Electrical equipment should be protected to the appropriate standard. 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 |
|---|---|---|---|---|---|---|
| Naphtha, petroleum, hydrotreated light 64742-49-0 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Toluene 108-88-3 | STEL: 100 ppm STEL: 380 mg/m3 TWA: 50 ppm TWA: 190 mg/m3 | STEL: 100 ppm STEL: 384 mg/m3 TWA: 20 ppm TWA: 77 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: 380 mg/m3 TWA: 25 ppm TWA: 81 mg/m3 | STEL: 100 ppm STEL: 384 mg/m3 TWA: 20 ppm TWA: 76.8 mg/m3 |
| Hexane 110-54-3 | STEL: 80 ppm STEL: 288 mg/m3 TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 |
| Cyclohexane 110-82-7 | STEL: 800 ppm STEL: 2800 mg/m3 TWA: 200 ppm TWA: 700 mg/m3 | TWA: 100 ppm TWA: 350 mg/m3 | TWA: 50 ppm TWA: 172 mg/m3 | TWA: 200 ppm TWA: 700 mg/m3 | STEL: 250 ppm STEL: 875 mg/m3 TWA: 100 ppm TWA: 350 mg/m3 | STEL: 375 ppm STEL: 1300 mg/m3 TWA: 200 ppm TWA: 700 mg/m3 |

| Chemical Name | Germany | Iceland | Ireland | Italy | Luxembourg | Netherlands |
|---|---|---|---|---|---|---|
| Naphtha, petroleum, hydrotreated light 64742-49-0 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Toluene 108-88-3 | STEL: 100 ppm STEL: 380 mg/m3 TWA: 50 ppm TWA: 190 mg/m3 | STEL: 50 ppm STEL: 188 mg/m3 TWA: 25 ppm TWA: 94 mg/m3 | STEL: 384 mg/m3 STEL: 100 ppm TWA: 192 mg/m3 TWA: 50 ppm | 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: 39 ppm TWA: 150 mg/m3 |
| Hexane 110-54-3 | STEL: 400 ppm STEL: 1440 mg/m3 TWA: 50 ppm TWA: 180 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | STEL: 60 ppm STEL: 216 mg/m3 TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | STEL: 40 ppm STEL: 144 mg/m3 TWA: 20 ppm TWA: 72 mg/m3 |
| Cyclohexane 110-82-7 | STEL: 800 ppm STEL: 2800 mg/m3 TWA: 200 ppm TWA: 700 mg/m3 | TWA: 50 ppm TWA: 175 mg/m3 | STEL: 600 ppm STEL: 2100 mg/m3 TWA: 200 ppm TWA: 700 mg/m3 | TWA: 100 ppm TWA: 350 mg/m3 | TWA: 200 ppm TWA: 700 mg/m3 | STEL: 400 ppm STEL: 1400 mg/m3 TWA: 200 ppm TWA: 700 mg/m3 |

| Chemical Name | Norway | Portugal | Spain | Sweden | Switzerland | United Kingdom |
|---|---|---|---|---|---|---|
| Naphtha, petroleum, hydrotreated light 64742-49-0 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| 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 |
| Hexane 110-54-3 | STEL: 30 ppm STEL: 108 mg/m3 TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | TWA: 20 ppm TWA: 72 mg/m3 | STEL: 50 ppm STEL: 180 mg/m3 TWA: 20 ppm TWA: 72 mg/m3 | STEL: 400 ppm STEL: 1440 mg/m3 TWA: 50 ppm TWA: 180 mg/m3 | STEL: 60 ppm STEL: 216 mg/m3 TWA: 20 ppm TWA: 72 mg/m3 |
| Cyclohexane 110-82-7 | STEL: 187.5 ppm STEL: 656.25 mg/m3 TWA: 150 ppm TWA: 525 mg/m3 | TWA: 200 ppm TWA: 700 mg/m3 | TWA: 200 ppm TWA: 700 mg/m3 | TWA: 200 ppm TWA: 700 mg/m3 | STEL: 800 ppm STEL: 2800 mg/m3 TWA: 200 ppm TWA: 700 mg/m3 | STEL: 300 ppm STEL: 1050 mg/m3 TWA: 100 ppm TWA: 350 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 |
|---|---|---|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | general population inhalation local effects long term exposure 178.57 mg/m3 DNEL (265-151-9); general population inhalation local effects acute/short term exposure 640 mg/m3 DNEL (265-151-9); workers inhalation local effects long term exposure 837.5 mg/m3 DNEL (265-151-9); workers inhalation local effects acute/short term exposure 1066.67 mg/m3 DNEL (265-151-9); general population inhalation systemic effects acute/short term exposure 1152 mg/m3 DNEL (265-151-9); workers inhalation systemic effects acute/short term exposure 1286.4 mg/m3 DNEL (265-151-9) |
| 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) |
| Hexane | 110-54-3 | general population oral systemic effects long term exposure 4 mg/kg bw/day DNEL (203-777-6); general population dermal systemic effects long term exposure 5.3 mg/kg bw/day DNEL (203-777-6); workers dermal systemic effects long term exposure 11 mg/kg bw/day DNEL (203-777-6); general population inhalation systemic effects long term exposure 16 mg/m3 DNEL (203-777-6); workers inhalation systemic effects long term exposure 75 mg/m3 DNEL (203-777-6) |

| Chemical Name | CAS Number | DNEL |
|---|---|---|
| Cyclohexane | 110-82-7 | general population oral systemic effects long term exposure 59.4 mg/kg bw/day DNEL (203-806-2); general population inhalation systemic effects long term exposure 206 mg/m3 DNEL (203-806-2); general population inhalation local effects long term exposure 206 mg/m3 DNEL (203-806-2); general population inhalation systemic effects acute/short term exposure 412 mg/m3 DNEL (203-806-2); general population inhalation local effects acute/short term exposure 412 mg/m3 DNEL (203-806-2); workers inhalation systemic effects long term exposure 700 mg/m3 DNEL (203-806-2); workers inhalation local effects long term exposure 700 mg/m3 DNEL (203-806-2); general population dermal systemic effects long term exposure 1186 mg/kg bw/day DNEL (203-806-2); workers inhalation systemic effects acute/short term exposure 1400 mg/m3 DNEL (203-806-2); workers inhalation local effects acute/short term exposure 1400 mg/m3 DNEL (203-806-2); workers dermal systemic effects long term exposure 2016 mg/kg bw/day DNEL (203-806-2) |

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

| Chemical Name | CAS Number | PNEC |
|---|---|---|
| Toluene | 108-88-3 | 0.68 mg/L PNEC (freshwater, 203-625-9); 0.68 mg/L PNEC (marine water, 203-625-9); 0.68 mg/L PNEC (freshwater (intermittent releases), 203-625-9); 16.39 mg/kg sediment dw PNEC (sediment (freshwater), 203-625-9); 16.39 mg/kg sediment dw PNEC (sediment (marine water), 203-625-9); 13.61 mg/L PNEC (sewage treatment, 203-625-9); 2.89 mg/kg soil dw PNEC (soil, 203-625-9) |
| Cyclohexane | 110-82-7 | 0.207 mg/L PNEC (freshwater, 203-806-2); 0.207 mg/L PNEC (marine water, 203-806-2); 0.207 mg/L PNEC (freshwater (intermittent releases), 203-806-2); 16.68 mg/kg sediment dw PNEC (sediment (freshwater), 203-806-2); 16.68 mg/kg sediment dw PNEC (sediment (marine water), 203-806-2); 3.24 mg/L PNEC (sewage treatment, 203-806-2); 3.38 mg/kg soil dw PNEC (soil, 203-806-2) |

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

None

### 8.2. Exposure controls

**Engineering Measures.**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. 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.

**Skin and body protection.**

No special protective equipment required. Solvent-resistant 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. Wear suitable protective 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.**

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Breathing apparatus with filter. Respirator with filter for organic vapor.

**Environmental Exposure Controls.**

Prevent product from entering drains.

## 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** | -20 |
| **Boiling Range, °C** | 66 - 111 |
| **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.** 701.786

**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.**

Based on available data, the classification criteria are not met.

**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. |

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|---|
| 64742-49-0 | Naphtha, petroleum, hydrotreated light | 5000 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit ) | 73680 ppm Rat |
| 108-88-3 | Toluene | 2600 mg/kg Rat | 12000 mg/kg Rabbit | N.R. |

| | | | | |
|---|---|---|---|---|
| 110-54-3 | Hexane | 25000 mg/kg Rat | 3000 mg/kg Rabbit | 48000 ppm Rat |
| 110-82-7 | Cyclohexane | 12705 mg/kg Rat | >2000 mg/kg Rabbit | >32.9 mg/L Rat |

**Skin corrosion/irritation.**
SKIN IRRITANT.

**Germ cell mutagenicity.**
Substances which should be regarded as being mutagenic to man.

**Aspiration hazard.**
Risk of serious damage to the lungs (by aspiration).

### 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. |
|---|---|---|---|
| Naphtha, petroleum, hydrotreated light 64742-49-0 | N.D. | LC50 96 h Oncorhynchus mykiss 8.41 mg/L | N.D. |
| Toluene 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 |
| Hexane 110-54-3 | N.D. | LC50 96 h Pimephales promelas 2.1 - 2.98 mg/L | N.D. |
| Cyclohexane 110-82-7 | EC50 72 h Desmodesmus subspicatus >500 mg/L | LC50 96 h Pimephales promelas 3.96 - 5.18 mg/L, LC50 96 h Pimephales promelas 23.03 - 42.07 mg/L, LC50 96 h Lepomis macrochirus 24.99 - 44.69 mg/L, LC50 96 h Poecilia reticulata 48.87 - 68.76 mg/L | N.D. |

### 12.2. Persistence and degradability

No data are available on the product itself

### 12.3. Bioaccumulative potential

Discharge into the environment must be avoided.

| CAS-No. | Chemical Name | Bio. Conc. Factor (BCF) | Octanol-water par. Coeff (KOW) |
|---|---|---|---|
| 64742-49-0 | Naphtha, petroleum, hydrotreated light | N.I. | N.I. |
| 108-88-3 | Toluene | N.I. | 2.73 |
| 110-54-3 | Hexane | N.I. | 4 |
| 110-82-7 | Cyclohexane | N.I. | 3.44 |

### 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 |
|---|---|---|
| 64742-49-0 | Naphtha, petroleum, hydrotreated light | RG 84 |
| 110-82-7 | Cyclohexane | RG 84 |

## 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 |
|---|---|---|---|
| 64742-49-0 | Naphtha, petroleum, hydrotreated light | No. | Yes. |
| 108-88-3 | Toluene | No. | Yes. |
| 110-54-3 | Hexane | No. | Yes. |
| 110-82-7 | Cyclohexane | No. | Yes. |

**EU Substances of Very High Concern**

None

## International Inventories.

| | |
|---|---|
| **TSCA** | Complies |
| **DSL** | Complies |
| **EINECS/ELINCS** | Complies |
| **ENCS** | Contains Non Listed Components |
| **IECSC** | Complies |
| **KECI** | Complies |
| **PICCS** | Complies |
| **AIIC** | Complies |
| **NZIoC** | Complies |

| | |
|---|---|
| **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** 2/4/2025

**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.