# SAFETY DATA SHEET

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

### 1.1. Product identifier

| | |
|---|---|
| **Trade name or designation of the mixture** | Action Marker - all colors |
| **Registration number** | - |
| **Synonyms** | Formula Code: J3062 (Black) |
| **Part Number** | 44003BK-DYM (Black) |
| **Issue date** | 20-November-2017 |
| **Version number** | 01 |

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

| | |
|---|---|
| **Identified uses** | Solvent based marker |
| **Uses advised against** | None known. |

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

**Manufacturer**

| | |
|---|---|
| **Company name** | Superior Sewing Machine & Supply LLC |
| **Address** | 48 West 25th Street<br>New York, NY 10010 |
| **Country** | (U.S.A.)<br>Tel: +1 800-274-5800 |
| **In Case of Emergency** | 1-800-535-5053 (Infotrac) |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Classification according to Directive 67/548/EEC or 1999/45/EC as amended**

| | |
|---|---|
| **Classification** | R10, Xi;R37-41, R67 |

The full text for all R-phrases is displayed in section 16.

**Classification according to Regulation (EC) No 1272/2008 as amended**

| | | |
|---|---|---|
| **Physical hazards** | | |
| Flammable liquids | Category 3 | H226 - Flammable liquid and vapour. |
| **Health hazards** | | |
| Serious eye damage/eye irritation | Category 1 | H318 - Causes serious eye damage. |
| Reproductive toxicity (the unborn child) | Category 1B | H360D - May damage the unborn child. |
| Specific target organ toxicity - single exposure | Category 3 respiratory tract irritation | H335 - May cause respiratory irritation. |
| Specific target organ toxicity - single exposure | Category 3 narcotic effects | H336 - May cause drowsiness or dizziness. |

**Hazard summary**

| | |
|---|---|
| **Physical hazards** | Flammable. |
| **Health hazards** | May cause harm to the unborn child. Irritating to respiratory system. Risk of serious damage to eyes. Vapours may cause drowsiness and dizziness. Occupational exposure to the substance or mixture may cause adverse health effects. |
| **Environmental hazards** | Not classified for hazards to the environment. |
| **Specific hazards** | None known. |
| **Main symptoms** | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Diarrhoea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. |

### 2.2. Label elements

**Label according to Regulation (EC) No. 1272/2008 as amended**

**Contains:** 1-Methyl-2-Pyrrolidinone, 1-Propanol, Diacetone alcohol, Propylene Glycol Methyl Ether

**Hazard pictograms**

**Signal word** Danger

**Hazard statements**

| | |
|---|---|
| H226 | Flammable liquid and vapour. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H360D | May damage the unborn child. |

**Precautionary statements**

**Prevention**

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| 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 vapour. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

**Response**

| | |
|---|---|
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. |
| 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. |
| P310 | Immediately call a POISON CENTRE/doctor. |
| P370 + P378 | In case of fire: Use appropriate media to extinguish. |

**Storage**

| | |
|---|---|
| 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. |

**Disposal**

| | |
|---|---|
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

**Supplemental label information** None.

**2.3. Other hazards** None known.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**General information**

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---|---|---|---|
| 1-Propanol | 60 - 100 | 71-23-8<br>200-746-9 | - | 603-003-00-0 | |
| **Classification:** | **DSD:** F;R11, Xi;R41, R67 | | | | |
| | **CLP:** Flam. Liq. 2;H225, Acute Tox. 4;H302, Eye Dam. 1;H318, STOT SE 3;H336 | | | | |
| Diacetone alcohol | 20 - 30 | 123-42-2<br>204-626-7 | - | 603-016-00-1 | |
| **Classification:** | **DSD:** Xi;R36 | | | | |
| | **CLP:** Flam. Liq. 1;H224, Eye Irrit. 2;H319, STOT SE 3;H335 | | | | |
| Propylene Glycol Methyl Ether | 20 - 30 | 107-98-2<br>203-539-1 | - | 603-064-00-3 | # |
| **Classification:** | **DSD:** R10, R67 | | | | |
| | **CLP:** Flam. Liq. 3;H226, STOT SE 3;H336 | | | | |

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---|---|---|---|
| 1-Methyl-2-Pyrrolidinone | 1 - < 3 | 872-50-4<br>212-828-1 | - | 606-021-00-7 | # |

**Classification:** **DSD:** Repr. Cat. 2;R61, Xi;R36/37/38

**CLP:** Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335

**List of abbreviations and symbols that may be used above**

DSD: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.
#: This substance has been assigned Union workplace exposure limit(s).
M: M-factor
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** The full text for all R- and H-phrases is displayed in section 16.

## SECTION 4: First aid measures

**General information** Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

**4.1. Description of first aid measures**

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed** May cause drowsiness and dizziness. Headache. Nausea, vomiting. Diarrhoea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

**General fire hazards** Flammable liquid and vapour.

**5.1. Extinguishing media**

**Suitable extinguishing media** Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

**5.3. Advice for firefighters**

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**For emergency responders** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** Use water spray to reduce vapours or divert vapour cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13.

**6.4. Reference to other sections** For personal protection, see section 8 of the SDS. For waste disposal, see section 13.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Do not breathe vapour. Do not get this material in contact with eyes. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**7.2. Conditions for safe storage, including any incompatibilities** Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

**7.3. Specific end use(s)** Not available.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits**

**Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001**

| Components | Type | Value | Form |
|---|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | MAK | 40 mg/m3 | Vapour. |
| | | 10 ppm | Vapour. |
| | STEL | 80 mg/m3 | Vapour. |
| | | 20 ppm | Vapour. |
| 1-Propanol (CAS 71-23-8) | MAK | 500 mg/m3 | |
| | | 200 ppm | |
| Diacetone alcohol (CAS 123-42-2) | MAK | 240 mg/m3 | |
| | | 50 ppm | |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | Ceiling | 187 mg/m3 | |
| | | 50 ppm | |
| | MAK | 187 mg/m3 | |
| | | 50 ppm | |

**Belgium. Exposure Limit Values.**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | TWA | 250 mg/m3 |
| | | 100 ppm |
| Diacetone alcohol (CAS 123-42-2) | TWA | 241 mg/m3 |
| | | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |

**Belgium. Exposure Limit Values.**

| Components | Type | Value |
|---|---|---|
| | | 100 ppm |

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 500 mg/m3 |
| | TWA | 300 mg/m3 |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | MAC | 40 mg/m3 |
| | | 10 ppm |
| | STEL | 80 mg/m3 |
| | | 20 ppm |
| 1-Propanol (CAS 71-23-8) | MAC | 500 mg/m3 |
| | | 200 ppm |
| | STEL | 625 mg/m3 |
| | | 250 ppm |
| Diacetone alcohol (CAS 123-42-2) | MAC | 241 mg/m3 |
| | | 50 ppm |
| | STEL | 362 mg/m3 |
| | | 75 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | MAC | 375 mg/m3 |
| | | 100 ppm |
| | STEL | 568 mg/m3 |
| | | 150 ppm |

**Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.**

| Components | Type | Value |
|---|---|---|
| 1-Propanol (CAS 71-23-8) | TWA | 500 mg/m3 |
| | | 200 ppm |

**Czech Republic. OELs. Government Decree 361**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | Ceiling | 80 mg/m3 |
| | TWA | 40 mg/m3 |
| 1-Propanol (CAS 71-23-8) | Ceiling | 1000 mg/m3 |
| | TWA | 500 mg/m3 |
| Diacetone alcohol (CAS 123-42-2) | Ceiling | 300 mg/m3 |
| | TWA | 200 mg/m3 |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | Ceiling | 550 mg/m3 |
| | TWA | 270 mg/m3 |

**Denmark. Exposure Limit Values**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | TLV | 20 mg/m3 |
| | | 5 ppm |
| 1-Propanol (CAS 71-23-8) | TLV | 500 mg/m3 |
| | | 200 ppm |

**Denmark. Exposure Limit Values**

| Components | Type | Value |
|---|---|---|
| Diacetone alcohol (CAS 123-42-2) | TLV | 240 mg/m3 |
| | | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | TLV | 185 mg/m3 |
| | | 50 ppm |

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 600 mg/m3 |
| | | 250 ppm |
| | TWA | 350 mg/m3 |
| | | 150 ppm |
| Diacetone alcohol (CAS 123-42-2) | STEL | 240 mg/m3 |
| | | 50 ppm |
| | TWA | 120 mg/m3 |
| | | 25 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Finland. Workplace Exposure Limits**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 620 mg/m3 |
| | | 250 ppm |
| | TWA | 500 mg/m3 |
| | | 200 ppm |
| Diacetone alcohol (CAS 123-42-2) | STEL | 360 mg/m3 |
| | | 75 ppm |
| | TWA | 240 mg/m3 |
| | | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 560 mg/m3 |
| | | 150 ppm |
| | TWA | 370 mg/m3 |
| | | 100 ppm |

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | VLE | 80 mg/m3 |
| | | 20 ppm |
| | VME | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | VME | 500 mg/m3 |
| | | 200 ppm |
| Diacetone alcohol (CAS 123-42-2) | VME | 240 mg/m3 |
| | | 50 ppm |

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

| Components | Type | Value |
|---|---|---|
| Propylene Glycol Methyl Ether (CAS 107-98-2) | VLE | 375 mg/m3 |
| | | 100 ppm |
| | VME | 188 mg/m3 |
| | | 50 ppm |

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

| Components | Type | Value | Form |
|---|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | TWA | 82 mg/m3 | Vapour and aerosol. |
| | | 20 ppm | Vapour and aerosol. |
| Diacetone alcohol (CAS 123-42-2) | TWA | 96 mg/m3 | |
| | | 20 ppm | |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | TWA | 370 mg/m3 | |
| | | 100 ppm | |

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

| Components | Type | Value | Form |
|---|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | AGW | 82 mg/m3 | Vapour. |
| | | 20 ppm | Vapour. |
| Diacetone alcohol (CAS 123-42-2) | AGW | 96 mg/m3 | |
| | | 20 ppm | |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | AGW | 370 mg/m3 | |
| | | 100 ppm | |

**Greece. OELs (Decree No. 90/1999, as amended)**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 625 mg/m3 |
| | | 250 ppm |
| | TWA | 500 mg/m3 |
| | | 200 ppm |
| Diacetone alcohol (CAS 123-42-2) | STEL | 360 mg/m3 |
| | | 75 ppm |
| | TWA | 240 mg/m3 |
| | | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 1080 mg/m3 |
| | | 300 ppm |
| | TWA | 360 mg/m3 |
| | | 100 ppm |

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | TWA | 40 mg/m3 |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | TWA | 375 mg/m3 |

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

| Components | Type | Value |
|---|---|---|
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | TWA | 500 mg/m3 |
| | | 200 ppm |
| Diacetone alcohol (CAS 123-42-2) | TWA | 240 mg/m3 |
| | | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 185 mg/m3 |
| | | 50 ppm |

**Ireland. Occupational Exposure Limits**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | TWA | 100 ppm |
| Diacetone alcohol (CAS 123-42-2) | TWA | 240 mg/m3 |
| | | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Italy. Occupational Exposure Limits**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | TWA | 100 ppm |
| Diacetone alcohol (CAS 123-42-2) | TWA | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | TWA | 10 mg/m3 |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

| Components | Type | Value |
|---|---|---|
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 600 mg/m3 |
| | | 250 ppm |
| | TWA | 350 mg/m3 |
| | | 150 ppm |
| Diacetone alcohol (CAS 123-42-2) | STEL | 240 mg/m3 |
| | | 50 ppm |
| | TWA | 120 mg/m3 |
| | | 25 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 300 mg/m3 |
| | | 75 ppm |
| | TWA | 190 mg/m3 |
| | | 50 ppm |

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Netherlands. OELs (binding)**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | TWA | 40 mg/m3 |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 563 mg/m3 |
| | TWA | 375 mg/m3 |

**Norway. Administrative Norms for Contaminants in the Workplace**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TLV | 20 mg/m3 |
| | | 5 ppm |
| 1-Propanol (CAS 71-23-8) | TLV | 245 mg/m3 |
| | | 100 ppm |
| Diacetone alcohol (CAS 123-42-2) | TLV | 120 mg/m3 |

**Norway. Administrative Norms for Contaminants in the Workplace**

| Components | Type | Value |
|---|---|---|
| | | 25 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | TLV | 180 mg/m3 |
| | | 50 ppm |

**Poland. MACs. Regulation regarding maximum permissible concentrations and intensities of harmful factors in the work environment, Annex 1**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | TWA | 40 mg/m3 |
| 1-Propanol (CAS 71-23-8) | STEL | 600 mg/m3 |
| | TWA | 200 mg/m3 |
| Diacetone alcohol (CAS 123-42-2) | TWA | 240 mg/m3 |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 360 mg/m3 |
| | TWA | 180 mg/m3 |

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

| Components | Type | Value |
|---|---|---|
| 1-Propanol (CAS 71-23-8) | STEL | 400 ppm |
| | TWA | 200 ppm |
| Diacetone alcohol (CAS 123-42-2) | TWA | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 150 ppm |
| | TWA | 100 ppm |

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 500 mg/m3 |
| | | 203 ppm |
| | TWA | 200 mg/m3 |
| | | 81 ppm |
| Diacetone alcohol (CAS 123-42-2) | STEL | 250 mg/m3 |
| | | 53 ppm |
| | TWA | 150 mg/m3 |
| | | 32 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

| Components | Type | Value | Form |
|---|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | TWA | 40 mg/m3 | Vapour. |
| | | 10 ppm | Vapour. |
| Diacetone alcohol (CAS 123-42-2) | TWA | 240 mg/m3 | |
| | | 50 ppm | |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | TWA | 375 mg/m3 | |
| | | 100 ppm | |

**Spain. Occupational Exposure Limits**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 1000 mg/m3 |
| | | 400 ppm |
| | TWA | 500 mg/m3 |
| | | 200 ppm |
| Diacetone alcohol (CAS 123-42-2) | TWA | 241 mg/m3 |
| | | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | Ceiling | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 600 mg/m3 |
| | | 250 ppm |
| | TWA | 350 mg/m3 |
| | | 150 ppm |
| Diacetone alcohol (CAS 123-42-2) | STEL | 240 mg/m3 |
| | | 50 ppm |
| | TWA | 120 mg/m3 |
| | | 25 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | Ceiling | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 190 mg/m3 |
| | | 50 ppm |

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 160 mg/m3 |
| | | 40 ppm |
| | TWA | 80 mg/m3 |
| | | 20 ppm |
| 1-Propanol (CAS 71-23-8) | TWA | 500 mg/m3 |
| | | 200 ppm |
| Diacetone alcohol (CAS 123-42-2) | STEL | 192 mg/m3 |
| | | 40 ppm |
| | TWA | 96 mg/m3 |
| | | 20 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 720 mg/m3 |
| | | 200 ppm |
| | TWA | 360 mg/m3 |
| | | 100 ppm |

**UK. EH40 Workplace Exposure Limits (WELs)**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| 1-Propanol (CAS 71-23-8) | STEL | 625 mg/m3 |
| | | 250 ppm |
| | TWA | 500 mg/m3 |
| | | 200 ppm |
| Diacetone alcohol (CAS 123-42-2) | STEL | 362 mg/m3 |
| | | 75 ppm |
| | TWA | 241 mg/m3 |
| | | 50 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 560 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU**

| Components | Type | Value |
|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | STEL | 80 mg/m3 |
| | | 20 ppm |
| | TWA | 40 mg/m3 |
| | | 10 ppm |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | STEL | 568 mg/m3 |
| | | 150 ppm |
| | TWA | 375 mg/m3 |
| | | 100 ppm |

**Biological limit values**

**Germany. TRGS 903, BAT List (Biological Limit Values)**

| Components | Value | Determinant | Specimen | Sampling time |
|---|---|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | 150 mg/l | 5-Hydroxy-N-methyl-2-pyrrolidon | Urine | * |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | 15 mg/l | 1-Methoxypropan-2-ol | Urine | * |

* - For sampling details, please see the source document.

**Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4**

| Components | Value | Determinant | Specimen | Sampling time |
|---|---|---|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | 70 mg/g | 5-hidroxi-N-metil-2-pirrolidona | Creatinine in urine | * |
| | 20 mg/g | 2-hidroxi-N-metilsuccinimida | Creatinine in urine | * |

* - For sampling details, please see the source document.

**Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)**

| Components | Value | Determinant | Specimen | Sampling time |
|---|---|---|---|---|
| Propylene Glycol Methyl Ether (CAS 107-98-2) | 20 mg/l | 1-METHOXYPROPANOL-2 | Urine | * |

* - For sampling details, please see the source document.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**Exposure guidelines**

**EU Exposure Limit Values: Skin designation**

| | |
|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | Can be absorbed through the skin. |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | Can be absorbed through the skin. |

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

| | |
|---|---|
| 1-Methyl-2-Pyrrolidinone (CAS 872-50-4) | Can be absorbed through the skin. |
| Diacetone alcohol (CAS 123-42-2) | Can be absorbed through the skin. |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | Can be absorbed through the skin. |

**8.2. Exposure controls**

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

**Individual protection measures, such as personal protective equipment**

**General information** Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**- Hand protection** Wear appropriate chemical resistant gloves.

**- Other** Wear suitable protective clothing.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** Environmental manager must be informed of all major releases.

## SECTION 9: Physical and chemical properties

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

**Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Colour** Black or Red.

**Odour** Ether-like.

**Odour threshold** Not available.

| | |
|---|---|
| **pH** | Not available. |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | 120 - 169,44 °C (248 - 336,99 °F) |
| **Flash point** | 31,7 °C (89,0 °F) |
| **Evaporation rate** | < 1 BuAc |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | 1 % |
| **Flammability limit - upper (%)** | 7 % |
| **Vapour pressure** | Not available. |
| **Vapour density** | > 1 (Air = 1) |
| **Relative density** | Not available. |
| **Solubility(ies)** | |
| **Solubility (water)** | Partially soluble in water |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |
| **Explosive properties** | Not explosive. |
| **Oxidising properties** | Not oxidising. |
| **9.2. Other information** | |
| **VOC** | A735M Red: 86,9%, 725 g/l<br>J3062 Black: 83,95%, 815 g/l |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **10.1. Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **10.2. Chemical stability** | Material is stable under normal conditions. |
| **10.3. Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **10.4. Conditions to avoid** | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| **10.5. Incompatible materials** | Strong acids. Strong oxidising agents. |
| **10.6. Hazardous decomposition products** | Carbon oxides. |

## SECTION 11: Toxicological information

| | |
|---|---|
| **General information** | Occupational exposure to the substance or mixture may cause adverse effects. |
| **Information on likely routes of exposure** | |
| **Inhalation** | May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system. Prolonged inhalation may be harmful. |
| **Skin contact** | No adverse effects due to skin contact are expected. |
| **Eye contact** | Causes serious eye damage. |
| **Ingestion** | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |
| **Symptoms** | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Diarrhoea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. |

**11.1. Information on toxicological effects**

| | |
|---|---|
| **Acute toxicity** | Not expected to be acutely toxic. |

| Components | Species | Test results |
|---|---|---|
| 1-Propanol (CAS 71-23-8) | | |
| **Acute** | | |
| **Oral** | | |
| LD50 | Rat | 1870 mg/kg |
| Diacetone alcohol (CAS 123-42-2) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rat | > 1875 mg/kg, 24 Hours |

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory sensitisation** Not a respiratory sensitizer.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**ACGIH Carcinogens**

| | |
|---|---|
| 1-Propanol (CAS 71-23-8) | Not classifiable as a human carcinogen. A4 |
| Propylene Glycol Methyl Ether (CAS 107-98-2) | Not classifiable as a human carcinogen. A4 |

**Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)**

Not listed.

**Reproductive toxicity** May damage the unborn child.

**Specific target organ toxicity - single exposure** May cause respiratory irritation. May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Mixture versus substance information** No information available.

**Other information** Symptoms may be delayed.

## SECTION 12: Ecological information

**12.1. Toxicity** Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

| Components | | Species | Test results |
|---|---|---|---|
| 1-Propanol (CAS 71-23-8) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 3339 - 3977 mg/l, 48 hours |
| Fish | LC50 | Bleak (Alburnus alburnus) | 3000 - 4000 mg/l, 96 hours |
| Diacetone alcohol (CAS 123-42-2) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 420 mg/l, 96 hours |

**12.2. Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**12.3. Bioaccumulative potential**

**Partition coefficient n-octanol/water (log Kow)**

| | |
|---|---|
| 1-Methyl-2-Pyrrolidinone | -0,54 |
| 1-Propanol | 0,25 |
| Diacetone alcohol | -0,098 |

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** Not available.

**12.6. Other adverse effects** None known.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

| | |
|---|---|
| **Residual waste** | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| **Contaminated packaging** | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| **EU waste code** | The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| **Disposal methods/information** | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Special precautions** | Dispose in accordance with all applicable regulations. |

## SECTION 14: Transport information

**ADR**

| | |
|---|---|
| **14.1. UN number** | UN1263 |
| **14.2. UN proper shipping name** | Paint |
| **14.3. Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Label(s)** | 3 |
| **Hazard No. (ADR)** | 30 |
| **Tunnel restriction code** | D/E |
| **14.4. Packing group** | III |
| **14.5. Environmental hazards** | No. |
| **14.6. Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**RID**

| | |
|---|---|
| **14.1. UN number** | UN1263 |
| **14.2. UN proper shipping name** | Paint |
| **14.3. Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Label(s)** | 3 |
| **14.4. Packing group** | III |
| **14.5. Environmental hazards** | No. |
| **14.6. Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**ADN**

| | |
|---|---|
| **14.1. UN number** | UN1263 |
| **14.2. UN proper shipping name** | Paint |
| **14.3. Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Label(s)** | 3 |
| **14.4. Packing group** | III |
| **14.5. Environmental hazards** | No. |
| **14.6. Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**IATA**

| | |
|---|---|
| **14.1. UN number** | UN1263 |
| **14.2. UN proper shipping name** | Paint |
| **14.3. Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **14.4. Packing group** | III |
| **14.5. Environmental hazards** | No. |
| **ERG Code** | 3L |
| **14.6. Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |

**Other information**

| | |
|---|---|
| **Passenger and cargo aircraft** | Allowed with restrictions. |
| **Cargo aircraft only** | Allowed with restrictions. |

**IMDG**

| | |
|---|---|
| **14.1. UN number** | UN1263 |
| **14.2. UN proper shipping name** | PAINT |
| **14.3. Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **14.4. Packing group** | III |
| **14.5. Environmental hazards** | |
| **Marine pollutant** | No. |
| **EmS** | F-E, S-E |
| **14.6. Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not established. |

**ADN; ADR; IATA; IMDG; RID**


## SECTION 15: Regulatory information

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

**EU regulations**

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

1-Methyl-2-Pyrrolidinone (CAS 872-50-4)

**Authorisations**

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

**Restrictions on use**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

1-Methyl-2-Pyrrolidinone (CAS 872-50-4)

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

**Other EU regulations**

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

1-Propanol (CAS 71-23-8)
Propylene Glycol Methyl Ether (CAS 107-98-2)

| | |
|---|---|
| **Other regulations** | The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. According to Directive 92/85/EEC as amended, pregnant women should not work with the product, if there is the least risk of exposure. |
| **National regulations** | Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.<br><br>Follow national regulation on the protection of workers from the risks of exposure to carcinogens and mutagens at work, in accordance with Directive 2004/37/EC. |
| **15.2. Chemical safety assessment** | No Chemical Safety Assessment has been carried out. |

## SECTION 16: Other information

| | |
|---|---|
| **List of abbreviations** | Not available. |
| **References** | Not available. |
| **Information on evaluation method leading to the classification of mixture** | The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. |
| **Full text of any statements or R-phrases and H-statements under Sections 2 to 15** | R10 Flammable.<br>R11 Highly flammable.<br>R36 Irritating to eyes.<br>R36/37/38 Irritating to eyes, respiratory system and skin.<br>R37 Irritating to respiratory system.<br>R41 Risk of serious damage to eyes.<br>R61 May cause harm to the unborn child.<br>R67 Vapours may cause drowsiness and dizziness.<br>H224 Extremely flammable liquid and vapour.<br>H225 Highly flammable liquid and vapour.<br>H226 Flammable liquid and vapour.<br>H302 Harmful if swallowed.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H335 May cause respiratory irritation.<br>H336 May cause drowsiness or dizziness. |
| **Revision information** | None. |
| **Training information** | Follow training instructions when handling this material. |
| **Disclaimer** | ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. |