

# SAFETY DATA SHEET

Maintenance Oil



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

### 1.1 Product identifier

**Product name** : Maintenance Oil  
**UFI** : SX20-M0QM-A00Q-AMRT  
WY60-E058-Q00Y-EP4U  
C270-W0UP-100G-20QW  
N470-E0J2-A00Y-RC9Y  
EA70-E0WU-X00Y-21G3  
**Product code** : 2033  
**Product type** : Liquid.  
**Other means of identification** : Natural  
White  
Extra White  
Grey.  
Brown.

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

| Identified uses   |
|-------------------|
| Indoor use<br>Oil |

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

WOCA Denmark (UK) Limited, Innovation Centre Gallows Hill, Warwick, CV34 6UW – Phone: 0044 (33) 0027 0919  
info@wocadenmark.com

**e-mail address of person responsible for this SDS** : info@wocadenmark.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : United Kingdom  
National Poisons Information Service (NPIS)  
Tel: 0344 892 0111  
Email: director.birmingham.unit@npis.org  
Website: http://www.npis.org/

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Asp. Tox. 1, H304

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**SECTION 2: Hazards identification****Hazard pictograms**

:

**Signal word**

: Danger

**Hazard statements**

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

**Precautionary statements****General**

: P103 - Read carefully and follow all instructions.  
 P102 - Keep out of reach of children.  
 P101 - If medical advice is needed, have product container or label at hand.

**Prevention**

: Not applicable.

**Response**

: P301 + P310, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

**Storage**

: P405 - Store locked up.

**Disposal**

: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements**

: Repeated exposure may cause skin dryness or cracking.  
 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

: Not applicable.

**Special packaging requirements****Containers to be fitted with child-resistant fastenings**

: Yes, applicable.

**Tactile warning of danger**

: Yes, applicable.

**2.3 Other hazards****Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII**

: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification**

: None known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

: Mixture

| Product/ingredient name              | Identifiers                                             | %         | Classification                                                  | Specific Conc. Limits, M-factors and ATEs | Type    |
|--------------------------------------|---------------------------------------------------------|-----------|-----------------------------------------------------------------|-------------------------------------------|---------|
| Alkanes(C=12~15)-branched and linear | CAS: 1437281-03-2                                       | ≥50 - ≤75 | Asp. Tox. 1, H304<br>EUH066                                     | -                                         | [1] [2] |
| titanium dioxide                     | EC: 236-675-5<br>CAS: 13463-67-7<br>Index: 022-006-00-2 | ≤5        | Carc. 2, H351<br>(inhalation)                                   | -                                         | [1] [*] |
| 2-ethylhexan-1-ol                    | EC: 203-234-3<br>CAS: 104-76-7                          | ≤0.1      | Acute Tox. 4, H312<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 | ATE [Dermal] =<br>1970 mg/kg              | [1] [2] |

**SECTION 3: Composition/information on ingredients**

|                                  |                                  |      |                                                                                                                                   |   |     |
|----------------------------------|----------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------|---|-----|
| (2-methoxymethylethoxy) propanol | EC: 252-104-2<br>CAS: 34590-94-8 | ≤0.1 | Aquatic Chronic 3, H412<br><br>Not classified.<br><br><b>See Section 16 for the full text of the H statements declared above.</b> | - | [2] |
|----------------------------------|----------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------|---|-----|

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[\*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter ≤ 10 µm not bound within a matrix.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

**4.2 Most important symptoms and effects, both acute and delayed**

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**4.3 Indication of any immediate medical attention and special treatment needed**

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## SECTION 4: First aid measures

**Specific treatments** : No specific treatment.

See toxicological information (Section 11)

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.

**Unsuitable extinguishing media** : Do not use water jet.

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

**Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**Hazardous combustion products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

**Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

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

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

: Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing and floors should be of the conducting type. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or watercourses.

**Information on fire and explosion protection**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

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

Store in accordance with local regulations.

#### Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

#### Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### Biological exposure indices

No exposure indices known.

**SECTION 8: Exposure controls/personal protection**

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

| Product/ingredient name         | Type | Exposure              | Value                  | Population         | Effects  |
|---------------------------------|------|-----------------------|------------------------|--------------------|----------|
| titanium dioxide                | DNEL | Long term Inhalation  | 28 µg/m <sup>3</sup>   | General population | Local    |
|                                 | DNEL | Long term Inhalation  | 170 µg/m <sup>3</sup>  | Workers            | Local    |
| 2-ethylhexan-1-ol               | DNEL | Long term Oral        | 1.1 mg/kg bw/day       | General population | Systemic |
|                                 | DNEL | Long term Inhalation  | 2.3 mg/m <sup>3</sup>  | General population | Systemic |
|                                 | DNEL | Long term Dermal      | 11.4 mg/kg bw/day      | General population | Systemic |
|                                 | DNEL | Long term Inhalation  | 12.8 mg/m <sup>3</sup> | Workers            | Systemic |
|                                 | DNEL | Long term Dermal      | 23 mg/kg bw/day        | Workers            | Systemic |
|                                 | DNEL | Short term Inhalation | 26.6 mg/m <sup>3</sup> | General population | Local    |
|                                 | DNEL | Long term Inhalation  | 26.6 mg/m <sup>3</sup> | General population | Local    |
|                                 | DNEL | Short term Inhalation | 53.2 mg/m <sup>3</sup> | Workers            | Local    |
|                                 | DNEL | Long term Inhalation  | 53.2 mg/m <sup>3</sup> | Workers            | Local    |
|                                 | DNEL | Long term Oral        | 36 mg/kg bw/day        | General population | Systemic |
| (2-methoxymethylethoxy)propanol | DNEL | Long term Inhalation  | 37.2 mg/m <sup>3</sup> | General population | Systemic |
|                                 | DNEL | Long term Dermal      | 121 mg/kg bw/day       | General population | Systemic |
|                                 | DNEL | Long term Dermal      | 283 mg/kg bw/day       | Workers            | Systemic |
|                                 | DNEL | Long term Inhalation  | 308 mg/m <sup>3</sup>  | Workers            | Systemic |
|                                 | DNEL | Long term Inhalation  |                        |                    |          |

**PNECs**

No PNECs available

**8.2 Exposure controls**

**Appropriate engineering controls** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**SECTION 8: Exposure controls/personal protection**

- Eye/face protection** : Use safety eyewear designed to protect against splash of liquids.
- Skin protection**
- Body protection** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Environmental exposure controls** : Do not allow to enter drains or watercourses.

**SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

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

- Physical state** : Liquid.
- Colour** : Various colors.
- Odour** : Faint odour.
- Odour threshold** : Not available.
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosion limit** : Not available.
- Flash point** : Closed cup: 62°C (143.6°F)
- Auto-ignition temperature** :

| <b>Ingredient name</b>                       | <b>°C</b>  | <b>°F</b>  | <b>Method</b> |
|----------------------------------------------|------------|------------|---------------|
| 2-(2-ethoxyethoxy)ethanol                    | 204        | 399.2      | EU A.15       |
| (2-methoxymethylethoxy)propanol              | 207        | 404.6      |               |
| 1-butylpyrrolidin-2-one                      | 212        | 413.6      |               |
| Naphtha (petroleum), hydrotreated heavy      | 280 to 470 | 536 to 878 |               |
| Naphtha (petroleum), hydrodesulfurized heavy | 280 to 470 | 536 to 878 | EU A.15       |
| 2-ethylhexan-1-ol                            | 280        | 536        |               |
| Linseed oil                                  | 342.85     | 649.1      | DIN 51794     |
| ethanol                                      | 455        | 851        |               |
| Isopropyl alcohol                            | 456        | 852.8      |               |

- Decomposition temperature** : Not available.
- pH** : Not available.
- Viscosity** : Kinematic (40°C): 14 to 17 mm<sup>2</sup>/s
- Solubility(ies)** :

| <b>Media</b> | <b>Result</b> |
|--------------|---------------|
| cold water   | Not soluble   |
| hot water    | Not soluble   |

- Solubility in water** : Not available.

SECTION 9: Physical and chemical properties

Partition coefficient: n-octanol/ water : Not applicable.

Vapour pressure :

| Ingredient name                         | Vapour Pressure at 20°C |            |                | Vapour pressure at 50°C |     |        |
|-----------------------------------------|-------------------------|------------|----------------|-------------------------|-----|--------|
|                                         | mm Hg                   | kPa        | Method         | mm Hg                   | kPa | Method |
| ethanol                                 | 42.94865                | 5.7        | DIN EN 13016-2 |                         |     |        |
| propan-2-ol                             | 33.00268                | 4.4        |                |                         |     |        |
| water                                   | 17.5                    | 2.3        |                |                         |     |        |
| Naphtha (petroleum), hydrotreated heavy | 0.75006 to 2.25018      | 0.1 to 0.3 |                |                         |     |        |
| 2-ethylhexan-1-ol                       | <0.75006                | <0.1       |                |                         |     |        |
| 1-butylpyrrolidin-2-one                 | 0.26                    | 0.035      |                |                         |     |        |
| 2-(2-ethoxyethoxy)ethanol               | 0.14                    | 0.019      |                |                         |     |        |
| cyclohexanone oxime                     | 0.013                   | 0.0017     |                |                         |     |        |
| propylidynetrimethanol                  | 0                       | 0          |                |                         |     |        |

Relative density : 0.83 to 0.9

Density : 0.83 to 0.9 g/cm³

Vapour density : Not available.

Particle characteristics

Median particle size : Not applicable.

9.2.1 Information with regard to physical hazard classes

Explosive properties : Not available.

Oxidising properties : Not available.

9.2.2 Other safety characteristics

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**Acute toxicity**

| Product/ingredient name                  | Result      | Species | Dose        | Exposure |
|------------------------------------------|-------------|---------|-------------|----------|
| Alkanes(C=12~15)-<br>branched and linear | LD50 Dermal | Rabbit  | >5000 mg/kg | -        |
| 2-ethylhexan-1-ol                        | LD50 Oral   | Rat     | >5000 mg/kg | -        |
|                                          | LD50 Dermal | Rabbit  | 1970 mg/kg  | -        |
|                                          | LD50 Oral   | Rat     | 3730 mg/kg  | -        |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Acute toxicity estimates**

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| 2-ethylhexan-1-ol       | 3730         | 1970           | N/A                      | N/A                         | N/A                                 |

**Irritation/Corrosion**

| Product/ingredient name | Result                   | Species | Score | Exposure          | Observation |
|-------------------------|--------------------------|---------|-------|-------------------|-------------|
| titanium dioxide        | Skin - Mild irritant     | Human   | -     | 72 hours 300 ug l | -           |
| 2-ethylhexan-1-ol       | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 mg    | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 20 ug             | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 20 mg             | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 415 mg            | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 mg   | -           |
|                         | Skin - Severe irritant   | Rabbit  | -     | 0.5 MI            | -           |

**Conclusion/Summary** : Not available.

**Sensitisation**

**Conclusion/Summary** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

**SECTION 11: Toxicological information****Conclusion/Summary** : Not available.**Teratogenicity****Conclusion/Summary** : Not available.**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

| Product/ingredient name              | Result                         |
|--------------------------------------|--------------------------------|
| Alkanes(C=12~15)-branched and linear | ASPIRATION HAZARD - Category 1 |

**Other information** : Not available.**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

Not available.

**SECTION 12: Ecological information****12.1 Toxicity**

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment, but contains substance(s) hazardous to the environment. See section 3 for details.

| Product/ingredient name | Result                            | Species                           | Exposure |
|-------------------------|-----------------------------------|-----------------------------------|----------|
| 2-ethylhexan-1-ol       | Acute LC50 28200 µg/l Fresh water | Fish - <i>Pimephales promelas</i> | 96 hours |

**Conclusion/Summary** : Not available.**12.2 Persistence and degradability****Conclusion/Summary** : Not available.**12.3 Bioaccumulative potential**

| Product/ingredient name          | LogP <sub>ow</sub> | BCF   | Potential |
|----------------------------------|--------------------|-------|-----------|
| 2-ethylhexan-1-ol                | 2.9                | 25.33 | Low       |
| (2-methoxymethylethoxy) propanol | 0.004              | -     | Low       |

**12.4 Mobility in soil****Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.**Mobility** : Not available.**12.5 Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Endocrine disrupting properties**

Not available.

SECTION 12: Ecological information

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Yes.

**Disposal considerations** : Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Disposal considerations** : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

| Type of packaging | European waste catalogue (EWC) |                                                                                   |
|-------------------|--------------------------------|-----------------------------------------------------------------------------------|
| Bucket            | 08 01 11*                      | waste paint and varnish containing organic solvents or other hazardous substances |
| Can               | 08 01 11*                      | waste paint and varnish containing organic solvents or other hazardous substances |
| CEPE Guidelines   | 15 01 10*                      | packaging containing residues of or contaminated by hazardous substances          |

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

|                                 | ADR/RID        | IMDG           | IATA           |
|---------------------------------|----------------|----------------|----------------|
| 14.1 UN number or ID number     | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name    | -              | -              | -              |
| 14.3 Transport hazard class(es) | -              | -              | -              |
|                                 |                |                |                |

Maintenance Oil

SECTION 14: Transport information

|                            |     |     |     |
|----------------------------|-----|-----|-----|
| 14.4 Packing group         | -   | -   | -   |
| 14.5 Environmental hazards | No. | No. | No. |

Additional information

14.6 Special precautions for user : Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name | %   | Designation [Usage]                           |
|-------------------------|-----|-----------------------------------------------|
| Maintenance Oil         | ≥90 | 3<br>3 [Lamp fuel]<br>3 [Grill lighter fluid] |

Labelling : Not applicable.

Other EU regulations

VOC : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

VOC for Ready-for-Use Mixture : Not available.

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

**SECTION 15: Regulatory information****Seveso Directive**

This product is not controlled under the Seveso Directive.

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list**

- Canada** : Not determined.
- United States** : All components are active or exempted.

**15.2 Chemical safety assessment** : No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

**CEPE code** : 1

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms**

- : ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 N/A = Not available  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 SGG = Segregation Group  
 vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

| Classification    | Justification      |
|-------------------|--------------------|
| Asp. Tox. 1, H304 | Calculation method |

**Full text of abbreviated H statements**

|      |                                                  |
|------|--------------------------------------------------|
| H225 | Highly flammable liquid and vapour.              |
| H226 | Flammable liquid and vapour.                     |
| H304 | May be fatal if swallowed and enters airways.    |
| H312 | Harmful in contact with skin.                    |
| H315 | Causes skin irritation.                          |
| H319 | Causes serious eye irritation.                   |
| H331 | Toxic if inhaled.                                |
| H336 | May cause drowsiness or dizziness.               |
| H340 | May cause genetic defects.                       |
| H350 | May cause cancer.                                |
| H351 | Suspected of causing cancer.                     |
| H411 | Toxic to aquatic life with long lasting effects. |

Maintenance Oil

SECTION 16: Other information

|                        |                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H412<br>H413<br>EUH066 | Harmful to aquatic life with long lasting effects.<br>May cause long lasting harmful effects to aquatic life.<br>Repeated exposure may cause skin dryness or cracking. |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Full text of classifications [CLP/GHS]

|                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox. 3<br>Acute Tox. 4<br>Aquatic Chronic 2<br>Aquatic Chronic 3<br>Aquatic Chronic 4<br>Asp. Tox. 1<br>Carc. 1B<br>Carc. 2<br>Eye Irrit. 2<br>Flam. Liq. 2<br>Flam. Liq. 3<br>Muta. 1B<br>Skin Irrit. 2<br>STOT SE 3 | ACUTE TOXICITY - Category 3<br>ACUTE TOXICITY - Category 4<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4<br>ASPIRATION HAZARD - Category 1<br>CARCINOGENICITY - Category 1B<br>CARCINOGENICITY - Category 2<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2<br>FLAMMABLE LIQUIDS - Category 2<br>FLAMMABLE LIQUIDS - Category 3<br>GERM CELL MUTAGENICITY - Category 1B<br>SKIN CORROSION/IRRITATION - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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Version : 1

Notice to reader

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.