



SAFETY DATA SHEET

MILLMAX 2

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Compilation date: 18/05/2010

Revision date: 31/05/2017

Revision No: 1b

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: MILLMAX 2

Product code: 5187

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

Use of substance / mixture: Hydraulic oil

1.3. Details of the supplier of the safety data sheet

Company name: Millers Oils Ltd
Hillside Oilworks
Rastrick Common
Brighouse
West Yorkshire
HD6 3DP
United Kingdom

Tel: +44 (0)1484 713201

Fax: +44 (0)1484 721263

Email: h.s@millersoils.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0)1484 713201

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Asp. Tox. 1: H304

Most important adverse effects: May be fatal if swallowed and enters airways.

2.2. Label elements

Label elements:

Hazard statements: H304: May be fatal if swallowed and enters airways.

Hazard pictograms: GHS08: Health hazard



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Signal words: Danger

Precautionary statements: P301+310: IF SWALLOWED: Immediately call a.

P331: Do NOT induce vomiting.

P405: Store locked up.

P501: Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROCARBONS, C11-14, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS - REACH registered number(s): 01-2119456620-43-XXXX

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|------------|-----------|--------------------|---------|
| 926-141-6 | 64742-47-8 | - | Asp. Tox. 1: H304 | 50-70% |

HYDROCARBONS, C15-C20,N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS - REACH registered number(s): 01-2119487077-29-XXXX

| | | | | |
|-----------|---|---|-------------------|--------|
| 934-956-3 | - | - | Asp. Tox. 1: H304 | 30-50% |
|-----------|---|---|-------------------|--------|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Do not induce vomiting.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: No symptoms.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

[cont...]

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

[cont...]

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Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Barely perceptible odour

Evaporation rate: No data available.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Kinematic viscosity: 2.2 cSt

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: 70

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 0.818

pH: No data available.

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

[cont...]

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Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

HYDROCARBONS, C11-14, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS

| | | | | |
|-----|-----|------|-------|-------|
| ORL | RAT | LD50 | >5000 | mg/kg |
| SKN | RBT | LD50 | >2000 | mg/kg |

HYDROCARBONS, C15-C20,N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS

| | | | | |
|-----------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >3160 | mg/kg |
| DUST/MIST | RAT | LD50 | >5266 | mg/kg |
| ORAL | RAT | LD50 | 5000 | mg/kg |

Relevant hazards for product:

| Hazard | Route | Basis |
|-------------------|-------|-----------------------|
| Aspiration hazard | - | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: No symptoms.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

HYDROCARBONS, C11-14, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS

| | | | |
|---|----------|-----|------|
| - | 72H IC50 | 1-3 | mg/l |
| - | 48H EC50 | 1.4 | mg/l |
| - | 96H LC50 | 2-5 | mg/l |

HYDROCARBONS, C15-C20,N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS

| | | | |
|-------------------------------------|-----------|--------|------|
| DAPHNIA | 48H EC50 | >3193 | mg/l |
| FISH | 96H LC50 | >1028 | mg/l |
| MARINE ALGAE (Skeletonema costatum) | 72H ErC50 | >10000 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

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12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Phrases used in s.2 and s.3: H304: May be fatal if swallowed and enters airways.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.