



Penetrating Oil Aerosol

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Revision date: 21-7-2015 version: 61.0

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

1.1. Product identifier

Product form : Mixture
Product name : Penetrating Oil Aerosol
Product code : A200
Type of product : Aerosol
Vaporizer : Aerosol

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

1.2.1. Relevant identified uses

Main use category : Professional use, Consumer use, Industrial use
Use of the substance/mixture : This penetrating oil is a powerfully penetrating rust-loosening fluid that penetrates under the rust layer formed on rusted-on metal parts. Suitable for bolts, nuts and screws and also pipe and valve couplings, hinges, locks, chains, joints and sliding parts. Stops squeaking and creaking. Prevents rust and corrosion formation.
Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

MPM International Oil Company
Cyclotronweg 1
2629 HN Delft - Nederland
T +31 (0)15 2514030 - F +31 (0)15 2514031
info@mpmoil.nl - www.mpmoil.nl

1.4. Emergency telephone number

Emergency number : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

| Country | Official advisory body | Address | Emergency number | Comment |
|----------------|---|---|------------------|---------|
| Ireland | National Poisons Information Centre Beaumont Hospital | Beaumont Hospital Beaumont Road 9 Dublin | : +353 1 8379964 | |
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | +44 20 7188 7188 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229
Aspiration hazard, Category 1 H304
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

CLP Signal word : Danger
Hazard statements (CLP) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.

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| | |
|--------------------------------|---|
| Precautionary statements (CLP) | : P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. P501 - Dispose of contents/container to officially registered waste disposal company. P300 - Without adequate ventilation formation of explosive mixtures may be possible. |
| EUH-statements | : EUH066 - Repeated exposure may cause skin dryness or cracking. |

2.3. Other hazards

| | |
|--|---|
| Other hazards not contributing to the classification | : Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis. Harmful: may cause lung damage if swallowed. |
|--|---|

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|----------|---|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics. | (EC-No.) 918-481-9 (REACH-no) 01-2119457273-39 | 50 - 100 | Asp. Tox. 1, H304 |
| 2-butoxyethanol | (CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0 (REACH-no) 01-2119475108-36 | 2,5 - 10 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| Carbon dioxide | (CAS-No.) 124-38-9 (EC Index-No.) 204-696-9 | 1 - 2,5 | Press. Gas (Comp.), H280 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------------|---|
| After inhalation | : Take victim to fresh air, in a quiet place and if necessary take medical advice. |
| After skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. |
| After eye contact | : In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. |
| After ingestion | : Do NOT induce vomiting. Get immediate medical advice/attention. |

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|---------------------------------------|
| Suitable extinguishing media | : Foam. Powder. Carbon dioxide (CO2). |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|--|
| Fire hazard | : May form flammable/explosive vapour-air mixture. On heating/burning: release of (highly) toxic gases/vapours e.g.: carbon monoxide - carbon dioxide. |
| Explosion hazard | : Vapours may form explosive mixtures with air. Heat from a fire could result in drum bursting. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Self-contained breathing apparatus with an air line. |
| Other information | : Cool containers / tanks with spray water if possible. Do not allow water used to extinguish fire to enter drains or waterways. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|--|
| General measures | : Keep public away. Keep away from sources of ignition - No smoking. |
|------------------|--|

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6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and eye/face protection. Wear respiratory protection.
Emergency procedures : Provide adequate ventilation.

6.1.2. For emergency responders

Protective equipment : Wear respiratory protection. Wear suitable protective clothing and eye/face protection.

6.2. Environmental precautions

Notify authorities if liquid enters sewers or public waters. Do not flush into surface water or sewer system. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Prevent spreading over great surfaces (e.g. by damming or installing oil booms).
Methods for cleaning up : Clean up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).
Other information : Ensure adequate ventilation.

6.4. Reference to other sections

Information on disposal - see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured. Avoid contact with skin and eyes. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.
Hygiene measures : When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in a well-ventilated place. Keep container tightly closed.
Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Information on mixed storage : Observe official regulations on storing packagings with pressurized containers.
Storage area : Keep container tightly closed in a cool, well-ventilated place. Store according to local legislation.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-butoxyethanol (111-76-2)

| | | |
|---------|---|-----------------------|
| EU | IOELV TWA (mg/m ³) | 98 mg/m ³ |
| EU | IOELV TWA (ppm) | 20 ppm |
| EU | IOELV STEL (mg/m ³) | 246 mg/m ³ |
| EU | IOELV STEL (ppm) | 50 ppm |
| Germany | TRGS 910 Acceptable concentration notes | |

Carbon dioxide (124-38-9)

| | | |
|---------|---|------------------------|
| EU | IOELV TWA (mg/m ³) | 9000 mg/m ³ |
| EU | IOELV TWA (ppm) | 5000 ppm |
| Germany | TRGS 910 Acceptable concentration notes | |

8.2. Exposure controls

Technical measures:

Ensure good ventilation of the work station.

Personal protective equipment:

Safety glasses. Gloves.

Materials for protective clothing:

Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Hand protection:

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

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| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-----------------|----------------------|-------------------|----------------|-------------|----------|
| Reusable gloves | Nitrile rubber (NBR) | 5 (> 240 minutes) | >= 0.45 mm | | |

Eye protection:

Tightly sealed safety glasses.

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. By prolonged exposure : Self-contained breathing apparatus with an air line

| Device | Filter type | Condition | Standard |
|---|--|---------------------|----------|
| Disposable half mask | Type AX - Low-boiling (<65 °C) organic compounds | Short term exposure | |
| Self-contained breathing apparatus (SCBA) | | Long term exposure | |

Personal protective equipment symbol(s):



Other information:

When using do not eat, drink or smoke. Wash hands before breaks and at the end of work. Do not breathe vapour or spray. Avoid contact with skin and eyes. Remove/Take off immediately all contaminated clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | : Liquid |
| Appearance | : Aerosol. |
| Colour | : light yellow. |
| Odour | : characteristic. |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not determined. |
| Freezing point | : Not determined. |
| Boiling point | : Not determined. |
| Flash point | : Not applicable as aerosol. |
| Auto-ignition temperature | : > 200 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : 3000 hPa @ 20°C |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 819 g/l |
| Solubility | : Water: Practically insoluble Organic solvent:81,9 % |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : Product is not explosive. |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

| | |
|------------------|---|
| VOC content | : 592 g/l |
| Other properties | : Product is not explosive. Vapours may form explosive mixtures with air. |

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep cool. Protect from sunlight. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

aldehydes. Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------------|--|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Not classified |
| Additional information | : slightly irritant but not relevant for classification. |
| Serious eye damage/irritation | : Not classified |
| Additional information | : Not an irritant. |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |

Penetrating Oil Aerosol

Vaporizer

Aerosol

Potential adverse human health effects and symptoms : Irritating. May be narcotic.

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--------------------------|---|
| General | : Do not release in groundwater, surfacewater or sewerage. Danger of drinking-water pollution (ground water). |
| Acute aquatic toxicity | : Not classified |
| Chronic aquatic toxicity | : Not classified |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Product/Packaging disposal recommendations | : Do not dispose of with domestic waste. |
| Waste disposal recommendations | : Remove to an authorized waste treatment plant. |
| Waste materials | : Waste disposal according to official state regulations. |
| European List of Waste (LoW) code | : 15 01 04 - metallic packaging 16 05 04* - gases in pressure containers (including halons) containing dangerous substances |



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SECTION 14: Transport information

In accordance with ADR / IMDG

| ADR | IMDG |
|---|---|
| 14.1. UN number | |
| UN 1950 | UN 1950 |
| 14.2. UN proper shipping name | |
| AEROSOLS | AEROSOLS |
| Transport document description | |
| UN 1950 AEROSOLS, 2.1, (D) | UN 1950 AEROSOLS, 2.1 |
| 14.3. Transport hazard class(es) | |
| 2.1 | 2.1 |
|  |  |
| 14.4. Packing group | |
| Not applicable | Not applicable |
| 14.5. Environmental hazards | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No |
| No supplementary information available | |

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F
Limited quantities (ADR) : 1I
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D

Transport by sea

Limited quantities (IMDG) : SP277
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

VOC content : 592 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

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SECTION 16: Other information

Indication of changes:

| Section | Changed item | Change | Comments |
|---------|--------------|---------|----------|
| 9.2 | VOC content | Removed | |
| 15.1 | VOC content | Removed | |

Full text of H- and EUH-statements:

| | |
|-------------------------------------|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aerosol 1 | Aerosol, Category 1 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Press. Gas (Comp.) | Gases under pressure : Compressed gas |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

SDS MPM REACH

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product