



# MPM Penetrating Oil Aerosol

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 12/11/2019 Revision date: 25/04/2025 Supersedes: 31/08/2021 version: 63.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : MPM Penetrating Oil Aerosol  
Product code : A200  
Type of product : Aerosol.  
Vaporizer : Aerosol.  
Product group : Mixture

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

##### Relevant identified uses

Main use category : Professional use, Consumer use, Industrial use  
Item Numbers (SKU) : 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

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

MPM International Oil Company BV  
Cyclotronweg 1  
NL 2629 HN Delft, Zuid Holland  
Nederland  
T +31 (0)15 2514030 (08.00 - 17.00 GMT+1)  
[info@mpmoil.com](mailto:info@mpmoil.com), [www.mpmoil.com](http://www.mpmoil.com)

#### 1.4. Emergency telephone number

| Country/Area | Organisation/Company                                     | Address                                  | Emergency number   | Comment |
|--------------|--|--|--|---------|
| Ireland      | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |

### 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- and EUH-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

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|                                |   |
|--------------------------------|---|
| CLP Signal word                | : DANGER.   |
| Hazard statements (CLP)        | : H222 - Extremely flammable aerosol.<br>H229 - Pressurised container: May burst if heated.   |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P211 - Do not spray on an open flame or other ignition source.<br>P251 - Do not pierce or burn, even after use.<br>P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C, 122°F.<br>P501 - Dispose of contents/container in accordance with local and national regulations. |
| EUH-statements                 | : EUH066 - Repeated exposure may cause skin dryness or cracking.  |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name   | Product identifier   | %                     | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|--|-----------------------|--|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics. | CAS-No.: 1174522-09-8<br>EC-No.: 918-481-9<br>REACH-no: 01-2119457273-39                           | $\geq 40 - \leq 80$   | Asp. Tox. 1, H304  |
| 2-butoxyethanol; ethylene glycol monobutyl ether                           | CAS-No.: 111-76-2<br>EC-No.: 203-905-0<br>EC Index-No.: 603-014-00-0<br>REACH-no: 01-2119475108-36 | $\geq 1 - \leq 3$     | Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Inhalation:vapour), H331<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |
| Carbon dioxide   | CAS-No.: 124-38-9<br>EC Index-No.: 204-696-9   | $\geq 1 - \leq 2.5$   | Press. Gas (Ref. Liq.), H281   |
| propan-2-ol; isopropyl alcohol; isopropanol                                | CAS-No.: 67-63-0<br>EC-No.: 200-661-7<br>EC Index-No.: 603-117-00-0                                | $\geq 0.1 - \leq 0.5$ | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336  |

Product subject to CLP Annex I, item 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-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 | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  |
| After eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists. |
| 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

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### 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. Carbon dioxide. Dry powder. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.  |

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

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

### 5.3. Advice for firefighters

- |                                |  |
|--------------------------------|--|
| Protection during firefighting | : Self-contained breathing apparatus with an air line.   |
| Other information              | : Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Use a water spray to cool exposed surfaces and to protect fire-fighters. |

## SECTION 6: Accidental release measures

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

- |                  |  |
|------------------|--|
| General measures | : Keep public away. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|------------------|--|

#### For non-emergency personnel

- |                      |   |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing and eye/face protection. Wear respiratory protection. |
| Emergency procedures | : Ventilate well.   |

#### For emergency responders

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

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

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

- |                         |  |
|-------------------------|--|
| For containment         | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.   |
| 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

See Section 13 for additional waste treatment information.

## 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              | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.  |

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

|                              |  |
|------------------------------|--|
| Technical measures           | : Store in a closed container. Ensure adequate ventilation, especially in confined areas.  |
| 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 in a cool, well-ventilated place. Store in a closed container. Local regulations concerning the storage and handling of water pollutants to be followed.              |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2) |            |
|---|------------|
| EU - Indicative Occupational Exposure Limit (IOEL)          |            |
| IOELV TWA (mg/m³)   | 98 mg/m³   |
| IOELV TWA (ppm)   | 20 ppm     |
| IOELV STEL (mg/m³)  | 246 mg/m³  |
| IOELV STEL (ppm)  | 50 ppm     |
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)       |            |
| EU - Indicative Occupational Exposure Limit (IOEL)          |            |
| IOELV TWA (mg/m³)   | 997 mg/m³  |
| Carbon dioxide (124-38-9)                                   |            |
| EU - Indicative Occupational Exposure Limit (IOEL)          |            |
| IOELV TWA (mg/m³)   | 9000 mg/m³ |
| IOELV TWA (ppm)   | 5000 ppm   |

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Technical measures:

Ensure good ventilation of the work station.

#### Personal protection equipment

##### Personal protective equipment:

High gas/vapour concentration: gas mask with filter type AX. Gloves. Safety glasses.

##### Personal protective equipment symbol(s):



#### Eye and face protection

##### Eye protection:

Safety goggles

#### Skin protection

##### Skin and body protection:

Wear suitable protective clothing

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### Hand protection:

Wear suitable gloves resistant to chemical penetration

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

### Other skin protection

#### 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

### Respiratory protection

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

| Respiratory protection                    |  |                     |          |
|---|--|---------------------|----------|
| 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  |          |

### Environmental exposure controls

#### Other information:

Do not eat, drink or smoke when using this product. Take off contaminated clothing. Always wash hands after handling the product. Avoid inhalation of vapours. Avoid contact with skin.

## SECTION 9: Physical and chemical properties

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

|                                 |   |
|---------------------------------|---|
| Physical state                  | : Liquid.   |
| Colour                          | : Light brown.  |
| Appearance                      | : Aerosol can.  |
| Odour                           | : Characteristic.   |
| Odour threshold                 | : Not available   |
| Melting point                   | : Not determined.   |
| Freezing point                  | : Not determined.   |
| Boiling point                   | : Not determined.   |
| Flammability (solid, gas)       | : Not available   |
| Explosive properties            | : Product is not explosive.                               |
| Lower explosion limit           | : Not available   |
| Upper explosion limit           | : Not available   |
| Flash point                     | : Not applicable as aerosol.                              |
| Auto-ignition temperature       | : > 200 °C  |
| Decomposition temperature       | : Not available   |
| pH                              | : Not available   |
| Viscosity, kinematic            | : Not available   |
| Solubility                      | : Water: Practically insoluble<br>Organic solvent: 81.9 % |
| Log Kow                         | : Not available   |
| Vapour pressure                 | : 3000 hPa @ 20°C   |
| Vapour pressure at 50°C         | : Not available   |
| Density                         | : 819 kg/m³   |
| Relative density                | : Not available   |
| Relative vapour density at 20°C | : Not available   |
| Particle characteristics        | : Not applicable  |

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### 9.2. Other information

#### Information with regard to physical hazard classes

% of flammable ingredients : 3.5 %

#### Other safety characteristics

VOC content : 592 g/l

Other properties : Product is not explosive, They may form explosive mixtures with air

## 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, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Harmful: may cause lung damage if swallowed. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. May be fatal if swallowed and enters airways.

Acute toxicity (dermal) : Repeated exposure may cause skin dryness or cracking. Causes mild skin irritation

Acute toxicity (inhalation) : Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Harmful: may cause lung damage if swallowed. Prolonged exposure to small concentrations may result in pulmonary oedema. May cause irritation to the respiratory tract

| 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)                               |  |
|---|--|
| LD50 oral rat   | 1200 mg/kg (ATE)   |
| LD50 dermal rat   | > 2000 mg/kg   |
| ATE CLP (oral)  | 1200 mg/kg bodyweight  |
| ATE CLP (vapours)   | 3 mg/l/4h  |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics. (1174522-09-8) |  |
| LD50 oral rat   | > 5000 mg/kg   |
| LD50 dermal rat   | > 5000 mg/kg   |
| LC50 Inhalation - Rat   | > 4951 mg/m³ @ 4h  |
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)                                     |  |
| LD50 oral rat   | 5840 mg/kg bodyweight OECD Guideline 401 (Acute Oral Toxicity) |

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| Carbon dioxide (124-38-9)         |              |
|-----------------------------------|--------------|
| LD50 oral rat                     | ≥ 5000 mg/kg |
| LD50 dermal rabbit                | ≥ 5000 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | ≥ 50 mg/l/4h |

|                                   |                               |
|-----------------------------------|-------------------------------|
| Skin corrosion/irritation         | : Causes mild skin irritation |
| Serious eye damage/irritation     | : May cause eye irritation    |
| Respiratory or skin sensitisation | : Not classified              |
| Germ cell mutagenicity            | : Not classified              |
| Carcinogenicity                   | : Not classified              |
| Reproductive toxicity             | : Not classified              |
| STOT-single exposure              | : Not classified              |

| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) |                                    |
|---|------------------------------------|
| STOT-single exposure                                  | May cause drowsiness or dizziness. |

|                        |   |
|------------------------|---|
| STOT-repeated exposure | : Not classified                                |
| Aspiration hazard      | : May be fatal if swallowed and enters airways. |

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|-----------------------------|----------|
| Vaporizer                   | Aerosol. |

| 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2) |             |
|---|-------------|
| Viscosity, kinematic  | 7.111 mm²/s |

### 11.2. Information on other hazards

#### Endocrine disrupting properties

|  |  |
|--|--|
| Adverse health effects caused by endocrine disrupting properties | : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % |
|--|--|

#### Other information

|   |   |
|---|---|
| Potential adverse human health effects and symptoms | : May be narcotic,Irritation: severely irritant to eyes |
|---|---|

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| General   | : Do not allow into drains or water courses. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                             |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                             |

| 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2) |   |
|---|---|
| LC50 fish 1   | 1490 mg/l Lepomis macrochirus               |
| EC50 Daphnia 1  | > 1800 mg/l Daphnia magna                   |
| EC50 72h - Algae [1]  | > 911 mg/l Pseudokirchneriella subcapitata  |
| EC50 72h - Algae [2]  | > 1840 mg/l Pseudokirchneriella subcapitata |
| NOEC (chronic)  | 100 mg/l Daphnia magna Duration: @ 21d      |
| NOEC chronic fish   | > 100 mg/l                                  |

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### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics. (1174522-09-8)

|                                |   |
|--------------------------------|---|
| LC50 fish 1                    | > 100 mg/l @96h Oncorhynchus mykiss             |
| EC50 Daphnia 1                 | > 100 mg/l @48h Daphnia magna                   |
| EC50 other aquatic organisms 1 | > 100 mg/l @72h Pseudokirchneriella subcapitata |

### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|             |                                |
|-------------|--------------------------------|
| LC50 fish 1 | 10000 mg/l Pimephales promelas |
| LC50 fish 2 | 9640 mg/l Pimephales promelas  |

## 12.2. Persistence and degradability

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|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### 2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics. (1174522-09-8)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### Carbon dioxide (124-38-9)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

## 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. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The product does not contain any substances with endocrine disrupting properties.

## 12.7. 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                            | : Conform to current legislation, regulations and orders.  |
| European List of Waste (LoW, EC 2000/532)  | : 15 01 04 - metallic packaging<br>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  |
|---|---|
| <b>14.1. UN number or ID number</b>   |   |
| Not regulated for transport   |   |
| <b>14.2. UN proper shipping name</b>  |   |
| AEROSOLS  | AEROSOLS  |
| <b>14.3. Transport hazard class(es)</b>   |   |
| 2.1   | 2.1   |
|  |                          |
| <b>14.4. Packing group</b>  |   |
| Not applicable  | Not applicable  |
| <b>14.5. Environmental hazards</b>  |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No<br>EmS-No. (Fire): F-D<br>EmS-No. (Spillage): S-U |
| 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

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 15: Regulatory information

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

##### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### VOC Directive (2004/42)

VOC content : 592 g/l

### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Indication of changes |               |                 |
|-----------------------|---------------|-----------------|
| Section               | Changed item  | Comments        |
|                       | Supersedes    | <b>Modified</b> |
|                       | Revision date | <b>Modified</b> |

### Abbreviations and acronyms:

|        |   |
|--------|---|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate   |
| BCF    | Bioconcentration factor   |
| BLV    | Biological limit value  |
| BOD    | Biochemical oxygen demand (BOD)   |
| CLP    | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD    | Chemical oxygen demand (COD)  |
| DMEL   | Derived Minimal Effect level  |
| DNEL   | Derived-No Effect Level   |
| EC50   | Median effective concentration  |
| ED     | Endocrine disruptor   |
| EC-No. | European Community number   |
| vPvB   | Very Persistent and Very Bioaccumulative  |
| SDS    | Safety Data Sheet   |
| TRGS   | Technical Rules for Hazardous Substances  |
| TLM    | Median Tolerance Limit  |
| ThOD   | Theoretical oxygen demand (ThOD)  |

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| Abbreviations and acronyms: |   |
|-----------------------------|---|
| STP                         | Sewage treatment plant  |
| PNEC                        | Predicted No-Effect Concentration   |
| REACH                       | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| PBT                         | Persistent Bioaccumulative Toxic  |
| OEL                         | Occupational Exposure Limit   |
| OECD                        | Organisation for Economic Co-operation and Development  |
| NOEC                        | No-Observed Effect Concentration  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| LD50                        | Median lethal dose  |
| N.O.S.                      | Not Otherwise Specified   |
| NOAEL                       | No-Observed Adverse Effect Level  |
| LC50                        | Median lethal concentration   |
| IOELV                       | Indicative Occupational Exposure Limit Value  |
| IATA                        | International Air Transport Association   |
| IARC                        | International Agency for Research on Cancer   |
| IMDG                        | International Maritime Dangerous Goods  |
| EN                          | European Standard   |

|                   |  |
|-------------------|--|
| Data sources      | : Supplier's safety documents. ECHA (European Chemicals Agency).   |
| Training advice   | : Normal use of this product shall imply use in accordance with the instructions on the packaging.   |
| Other information | : The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 3<br>(Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 3                   |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                               |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                   |
| EUH066                              | Repeated exposure may cause skin dryness or cracking.           |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                   |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                   |
| H222                                | Extremely flammable aerosol.                                    |
| H225                                | Highly flammable liquid and vapour.                             |
| H229                                | Pressurised container: May burst if heated.                     |
| H281                                | Contains refrigerated gas; may cause cryogenic burns or injury. |

# MPM Penetrating Oil Aerosol

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Full text of H- and EUH-statements:

|                        |  |
|------------------------|--|
| H302                   | Harmful if swallowed.  |
| H304                   | May be fatal if swallowed and enters airways.                          |
| H315                   | Causes skin irritation.  |
| H319                   | Causes serious eye irritation.   |
| H331                   | Toxic if inhaled.  |
| H336                   | May cause drowsiness or dizziness.                                     |
| Press. Gas (Ref. Liq.) | Gases under pressure : Refrigerated liquefied gas                      |
| Skin Irrit. 2          | Skin corrosion/irritation, Category 2                                  |
| STOT SE 3              | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

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.