



# Penetrating Oil Aerosol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue:

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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](mailto:info@mpmoil.nl) - [www.mpmoil.nl](http://www.mpmoil.nl)

#### 1.4. Emergency telephone number

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

Country	Official advisory body	Address	Emergency number
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, Centre Hospitalier Universitaire de Constantine	Avonley Road SE14 5ER London	0870 243 2241

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Aerosol 1 H222;H229  
 Asp. Tox. 1 H304

Full text of hazard classes and H-statements : see section 16

#### 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  
 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

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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. Substance

Not applicable

### 3.2. Mixture

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	Compressed gas, 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 (CO<sub>2</sub>).  
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.  
Prohibitions 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 <sup>3</sup> )	98 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	50 ppm
Carbon dioxide (124-38-9)		
EU	IOELV TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	5000 ppm

### 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

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

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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	



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.

## 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.

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### 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	: Not classified
Skin corrosion/irritation	: Not classified slightly irritant but not relevant for classification
Serious eye damage/irritation	: Not classified Not an irritant
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Vaporizer	Aerosol
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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).

### 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

Waste treatment methods	: 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

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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### 14.1. UN number

UN-No. : 1950

UN-No. (IMDG) : 1950

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS

Proper Shipping Name (IMDG) : AEROSOLS

Transport document description : UN 1950 AEROSOLS, 2.1, (D)

Transport document description (IMDG) : UN 1950 AEROSOLS, 2.1

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 2.1

Danger labels (UN) : 2.1

:



#### IMDG

Transport hazard class(es) (IMDG) : 2.1

Danger labels (IMDG) : 2.1

:



### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR) : 5F

Limited quantities (ADR) : 11

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 73/78 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

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VOC content : 592 g/l

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes:

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
Compressed gas	Gases under pressure : Compressed gas
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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*