



Compressor Oil 100

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 6-10-2010 Revision date: 26-10-2020 Supersedes: 13-7-2020 version: 5.2

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

1.1. Product identifier

Product name : Compressor Oil 100

Product code : 48000B

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

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 Delft - Nederland
T +31 (0)15 2514030 - F +31 (0)15 2514031
msds@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]

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

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]

CLP Signal word : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P102 - Keep out of reach of children.

P501 - Dispose of contents and container to an approved waste disposal plant.

EUH-statements

: EUH208 - Contains Arylamine. May produce an allergic reaction.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alkylphenol	(CAS-No.) 128-39-2 (EC-No.) 204-884-0 (REACH-no) 01-2119490822-33	0,1 – 1	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M=0)
Solvent Naphta (Petroleum), Heavy Aromatic	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (EC Index-No.) 649-424-00-3 (REACH-no) 01-2119463588-24	0,1 – 1	Carc. 2, H351 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Arylamine	(CAS-No.) 90-30-2 (EC-No.) 201-983-0	0,1 – 0,24	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
naphthalene	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2	0,1 – 0,24	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Long chain Alkenylamide	(CAS-No.) 68478-81-9 (EC-No.) 270-840-2	0,01 – 0,09	Skin Irrit. 2, H315 Repr. 2, H361fd

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General	: In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).
After inhalation	: Not required.
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	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
After ingestion	: Do NOT induce vomiting. Rinse mouth. If swallowed, do not induce vomiting: seek medical advice immediately and show this container label.

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

After inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
After skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
After eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
After ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical, CO ₂ , or water spray or regular foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection.
Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: 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 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 gloves.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Prevent spreading over great surfaces (e.g. by damming or installing oil booms). 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 : Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid all unnecessary exposure.

Precautions for safe handling : Provide sufficient air exchange and/or exhaust.

Handling temperature : < 40 °C

Hygiene measures : Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : < 40 °C

Storage area : Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

EU	IOELV TWA (mg/m ³)	500 mg/m ³
Germany	TRGS 910 Acceptable concentration notes	

naphthalene (91-20-3)

EU	Local name	Naphthalene
EU	IOELV TWA (mg/m ³)	50 mg/m ³ 29-05-1991
EU	IOELV TWA (ppm)	10 ppm 29-05-1991
EU	Notes	(Year of adoption 2010)
EU	Regulatory reference	COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations
Germany	TRGS 910 Acceptable concentration notes	
Ireland	Local name	Naphthalene
Ireland	OEL (8 hours ref) (mg/m ³)	50 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	10 ppm
Ireland	Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom	WEL TWA (mg/m ³)	50 mg/m ³

Additional information : Based on ACGIH TLV, a concentration of 5 mg/m³ oilspray (TWA, 8 hour workday) is recommended.

8.2. Exposure controls

Technical measures:

Provide adequate ventilation.

Personal protective equipment:

Safety glasses. Gloves.

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Materials for protective clothing:

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. 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. Suitable material: nitrile rubber. PVC (Polyvinyl chloride).

Hand protection:

protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.35		

Eye protection:

Safety glasses

Skin and body protection:

None under normal use

Respiratory protection:

Not necessary with sufficient ventilation

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Oily.
Colour	: Yellowbrown.
Odour	: Oily.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 204 °C ASTM D 92
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 869 g/l
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 100 mm ² /s @ 40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal use.

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10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

None under normal use.

10.5. Incompatible materials

Acids and bases. Oxidizing substances.

10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours e.g.: carbon monoxide - carbon dioxide.

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

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LD50 oral rat	No data available
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Arylamine (90-30-2)

LD50 oral rat	≈ 1625 mg/kg bodyweight Animal: rat, Animal sex: male, 95% CL: 1201 - 2197
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LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male
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Alkylphenol (128-39-2)

LD50 oral rat	> 5000 mg/kg bodyweight OECD 401
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Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

LD50 oral rat	> 5000 mg/kg
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LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other:EPA Fed Reg Vol 50, No. 188 1985 and as amended in Fed Reg Vol 52, No. 97, 1987
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LD50 dermal rabbit	> 2000 mg/kg
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LC50 Inhalation - Rat (Vapours)	> 5 mg/l/4h
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naphthalene (91-20-3)

LD50 oral rat	> 490 mg/kg
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LD50 dermal rat	> 5000 mg/kg
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LC50 Inhalation - Rat	> 100 mg/l/4h
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LC50 Inhalation - Rat (Dust/Mist)	> 110 mg/l/4h
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Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Arylamine (90-30-2)

NOAEL (animal/male, F0/P)	< 40 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPP 83-4 (Reproduction and Fertility Effects), Guideline: EU Method B.35 (Two-Generation Reproduction Toxicity Test)
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NOAEL (animal/female, F0/P)	< 46 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPP 83-4 (Reproduction and Fertility Effects), Guideline: EU Method B.35 (Two-Generation Reproduction Toxicity Test)
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Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

NOAEL (animal/male, F0/P)	35 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:OPPTS 870.3650 Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test
NOAEL (animal/female, F0/P)	125 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:OPPTS 870.3650 Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test

naphthalene (91-20-3)

LOAEL (animal/female, F0/P)	50 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:OECD Guideline 414 (Prenatal Developmental Toxicity Study)
LOAEL (animal/female, F1)	450 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:OECD Guideline 414 (Prenatal Developmental Toxicity Study)
NOAEL (animal/female, F0/P)	120 mg/kg bodyweight Animal: rabbit, Animal sex: female, Guideline: other:OECD Guideline 414 (Prenatal Developmental Toxicity Study)

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Arylamine (90-30-2)

LOAEL (oral, rat, 90 days)	20 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	80 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

Alkylphenol (128-39-2)

NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight
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Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

LOAEC (inhalation, rat, vapour, 90 days)	4,71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
NOAEC (inhalation, rat, vapour, 90 days)	2,355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

naphthalene (91-20-3)

LOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
LOAEC (inhalation, rat, vapour, 90 days)	0,011 mg/l air Animal: rat, Guideline: EPA OPP 82-4 (90-Day Inhalation Toxicity), Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (dermal, rat/rabbit, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard : Not classified

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Viscosity, kinematic	100 mm ² /s @ 40°C
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SECTION 12: Ecological information

12.1. Toxicity

General	: Do not allow uncontrolled leakage of product into the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

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LC50 fish 1	No data available
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Arylamine (90-30-2)

LC50 fish 1	0,44 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LOEC (chronic)	0,1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Alkylphenol (128-39-2)

LC50 fish 1	1,4 mg/l Pimephales promelas
EC50 72h algae (1)	3,6 mg/l Pseudokirchneriella subcapitata
EC50 72h algae (2)	1,4 mg/l Pseudokirchneriella subcapitata
EC50 96h algae (1)	3,9 mg/l Pseudokirchneriella subcapitata
EC50 96h algae (2)	1,2 mg/l Pseudokirchneriella subcapitata
LOEC (chronic)	0,086 mg/l Daphnia magna @21d
NOEC (chronic)	0,035 mg/l Daphnia magna @21d

Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

LC50 fish 1	1 – 10 mg/l @96h
LC50 fish 2	0,58 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 other aquatic organisms 1	1 – 10 mg/kg @72h algae
EC50 Daphnia 1	1 – 10 mg/l @48h
EC50 Daphnia 2	0,76 mg/l Test organisms (species): Daphnia magna

naphthalene (91-20-3)

LC50 fish 1	1,99 mg/l @96h Pimephales promelas
LC50 fish 2	0,5 mg/l Fish
LC50 other aquatic organisms 1	2,96 mg/l @4h Selenastrum capricornutum
EC50 Daphnia 1	2,19 mg/l @48h Daphnia magna
NOEC (chronic)	0,59 mg/l Test organisms (species): Daphnia pulex Duration: '125 d'
NOEC chronic fish	≈ 0,37 mg/l Test organisms (species): Oncorhynchus kisutch Duration: '40 d'

12.2. Persistence and degradability

Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

Persistence and degradability	Poorly biodegradable.
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12.3. Bioaccumulative potential

Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

Bioconcentration factor (BCF REACH)	< 100
Log Pow	3,8 – 4,8

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

Additional information : insoluble in water. Some of the components are biologically degradable with difficulty.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste materials : Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to official state regulations.

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European List of Waste (LoW) code

: 13 02 00 - Waste engine, gear and lubricating oils. 13 02 05- Mineral-based non-chlorinated engine, gear and lubricating oils. 15 01 10 Packaging containing residues of or contaminated by dangerous substances.

SECTION 14: Transport information

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

ADR	IMDG
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	
Not applicable	Not applicable
14.3. Transport hazard class(es)	
Not applicable	Not applicable
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

No data available

Transport by sea

No data available

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.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1

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Carc. 2	Carcinogenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Arylamine. May produce an allergic reaction.

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.