

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

Revision date : 26.04.2016

Version (Revision) : 18.0.0 (17.0.0)

Print date : 16.09.2016

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

1.1 Product identifier

Petroleum PROMAT chemicals

HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25% ; EC No. : 925-653-7 ; REACH registration No. : 01-2119458869-15

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

Relevant identified uses

Coatings and paints, thinners, paint removers

Solvent

1.3 Details of the supplier of the safety data sheet

Supplier : NORTHWEST Handel AG

Street : Robert-Schuman-Straße 17

Postal code/city : D 44263 Dortmund

Telephone : +49(0)231/222 3001

+49(0)231/222 3099

Telefax : www.nordwest.com

Information contact : sdb@nordwest.com

1.4 Emergency telephone number

Giftinformationszentrum (GIZ), Mainz, Tel. +49(0)6131 / 19240 (24 h von Mo. – So.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ; Harmful to aquatic life with long lasting effects.

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

2.2 Label elements

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

Hazard pictograms



Health hazard (GHS08)

Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P273 Avoid release to the environment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P405 Store locked up.

P501 Dispose of contents/container according to local regulations

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

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Version (Revision) : 18.0.0 (17.0.0)

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None

SECTION 3: Composition/information on ingredients

ORGANIC SOLVENTS

3.1 Substances

Substance name : HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%

EC No. : 925-653-7

REACH No. : 01-2119458869-15

Purity : $\geq 90 - < 100$ % [mass]

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove affected person from the danger area and lay down. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Change contaminated, saturated clothing. Subsequently wash off with: Water and soap

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect).

4.2 Most important symptoms and effects, both acute and delayed

Dizziness Headache Impairment of vision Nausea Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

Co-ordinate fire-fighting measures to the fire surroundings.

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO₂) Extinguishing powder Water spray

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

5.4 Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

Revision date : 26.04.2016

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Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Use water spray jet to minimise or disperse vapours.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

6.4 Reference to other sections

None

SECTION 7: Handling and storage



7.1 Precautions for safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists

Measures to prevent fire

Usual measures for fire prevention. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Measures to prevent aerosol and dust generation

Vapours/aerosols should be exhausted directly at the point of origin. Use only in well-ventilated areas.

Environmental precautions

Shafts and sewers must be protected from entry of the product.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class (VCI): 10

Storage class (TRGS 510) : 10

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%

Limit value type (country of origin) : AGW (D)

Limit value : 250 mg/m³

Remark : Langzeit, berechnet nach RCP-Methode

Version :

Limit value type (country of origin) : AGW (D)

Limit value : 500 mg/m³

Remark : Kurzzeit, berechnet nach RCP-Methode

Version :

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL Consumer (systemic) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)

Exposure route : Oral

Exposure frequency : Langzeit - systemisch

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

Revision date : 26.04.2016

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Limit value :	28 mg/kg
Safety factor :	1 d
Limit value type :	DNEL Consumer (systemic) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	28 mg/kg
Safety factor :	1 d
Limit value type :	DNEL Consumer (systemic) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	71 mg/m ³
Limit value type :	DNEL worker (systemic) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	47 mg/kg
Safety factor :	1 d
Limit value type :	DNEL worker (systemic) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	330 mg/m ³

8.2 Exposure controls



Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

Suitable gloves type : Gloves with long cuffs

Suitable material : NBR (Nitrile rubber)

Breakthrough time : >= 480 min

Thickness of the glove material : 0,4 mm

Recommended glove articles : DIN EN 374

Additional hand protection measures : Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Remark : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection

lab coat Overall Chemical resistant safety shoes Only wear fitting, comfortable and clean protective clothing.

Recommended material : Natural fibres (e.g. cotton) heat-resistant synthetic fibres

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: exceeding exposure limit values / aerosol or mist formation.

Suitable respiratory protection apparatus

Filtering device (full mask or mouthpiece) with filter : A

General health and safety measures

Wash hands before breaks and after work. Apply skin care products after work.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : colourless

Odour : Petroleum

Safety relevant basis data

Melting point/melting range : < -20,0 °C

Initial boiling point and boiling range : (1013 hPa) 180,0 - 260,0 °C

Decomposition temperature : No data available

Flash point : approx. 65,0 °C DIN 51755 part 1

Ignition temperature : 240,0 °C

Oxidising liquids : Not oxidising.

Lower explosion limit : 0,6 Vol-%

Upper explosion limit : 6,5 Vol-%

Explosive properties : Not applicable.

Vapour pressure 20°C): (20 °C) approx. 0,2 hPa

Dichte : (15 °C) approx. 0,817 g/cm³

Water solubility : (20 °C) not miscible

pH-value: (20 °C / conc.) not applicable

log P O/W : No data available

Cinematic viscosity : (40 °C) No data available

Odour threshold : No data available

Vapourisation rate : No data available

Maximum VOC content (EC) : (20 °C) 100,0 Wt % gem. RL 1999/13/EG

Max. VOC content (Decopaint): (20 °C) 100,0 Wt % gem. RL 2004/42/EG

9.2 Other information

no more data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Heat, sparks, flames and other ignition sources.

10.5 Incompatible materials

Oxidising agent, strong.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Based on available data, the classification criteria are not met.

Acute oral toxicity

Parameter : LD50

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

Revision date : 26.04.2016

Version (Revision) : 18.0.0 (17.0.0)

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Exposure route : Oral
Species : Rat
Effective dose : > 5060 mg/kg
Method : OECD 401
Parameter : LD50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)

Exposure route : Oral
Species : Rat
Effective dose : > 5060 mg/kg
Method : OECD 401

Acute dermal toxicity

Parameter : LD50
Exposure route : Dermal
Species : Rabbit
Effective dose : approx. 3400 mg/kg
Method : OECD 402
Parameter : LD50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)

Exposure route : Dermal
Species : Rabbit
Effective dose : approx. 3400 mg/kg
Method : OECD 402

Acute inhalation toxicity

Parameter : LC50
Exposure route : Inhalation
Species : Rat
Effective dose : 13100 mg/m³
Method : OECD 403
Parameter : LC50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)

Exposure route : Inhalation
Species : Rat
Effective dose : 13100 mg/m³
Method : OECD 403

Irritant and corrosive effects

Based on available data, the classification criteria are not met.

Sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

There are no data available on the preparation/mixture itself.

11.4 Other adverse effects

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

Revision date : 26.04.2016

Version (Revision) : 18.0.0 (17.0.0)

Print date : 16.09.2016

No information available.

11.5 Additional information

The product is classified and labelled according to EC directives or corresponding national laws. Classification according to Regulation (EC) No 1272/2008 [CLP] Toxicological data are not available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : NOELR
Species : Oncorhynchus aguabonita (Goldforelle)
Effective dose : 10 - 30 mg/l
Exposure time : 96 h
Method : OECD 203
Parameter : NOELR (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Species : Oncorhynchus aguabonita (Goldforelle)
Effective dose : 10 - 30 mg/l
Exposure time : 96 h
Method : OECD 203

Chronic (long-term) fish toxicity

Parameter : NOELR
Species : Oncorhynchus aguabonita (Goldforelle)
Effective dose : 0,079 - 0,288 mg/l
Exposure time : 28 d
Parameter : NOELR (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Species : Oncorhynchus aguabonita (Goldforelle)
Effective dose : 0,079 - 0,288 mg/l
Exposure time : 28 d

Acute (short-term) daphnia toxicity

Parameter : NOELR
Species : Daphnia magna (Big water flea)
Effective dose : 10 - 22 mg/l
Exposure time : 48 h
Method : OECD 202
Parameter : NOELR (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Species : Daphnia magna (Big water flea)
Effective dose : 10 - 22 mg/l
Exposure time : 48 h
Method : OECD 202

Chronic (long-term) daphnia toxicity

Parameter : NOELR
Species : Daphnia magna (Big water flea)
Effective dose : 0,28 mg/l
Exposure time : 21 d
Parameter : NOELR (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Species : Daphnia magna (Big water flea)
Effective dose : 0,28 mg/l
Exposure time : 21 d

Acute (short-term) algae toxicity

Parameter : NOELR
Species : Pseudokirchneriella subcapitata
Effective dose : 4,6 - 10 mg/l
Exposure time : 72 h

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

Revision date : 26.04.2016

Version (Revision) : 18.0.0 (17.0.0)

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Method :	OECD 201
Parameter :	NOELR (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Species :	Pseudokirchneriella subcapitata
Effective dose :	4,6 - 10 mg/l
Exposure time :	72 h
Method :	OECD 201

12.2 Persistence and degradability

Biodegradation

Parameter :	Biodegradation
Inoculum :	Degree of elimination
Effective dose :	74,7 %
Exposure time :	28 d
Evaluation :	Readily biodegradable (according to OECD criteria).
Parameter :	Biodegradation (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%)
Inoculum :	Degree of elimination
Effective dose :	74,7 %
Exposure time :	28 d
Evaluation :	Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

Dispose according to legislation.

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

Waste code (91/689/EEC) : 07 01 04*

13.2 Additional information

None

SECTION 14: Transport information

14.1 UN number

Land transport (ADR/RID) : UN-

Sea transport (IMDG) : UN9003

Air transport (ICAO-TI / IATA-DGR) : UN-

14.2 UN proper shipping name

Sea transport (IMDG)

HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) :

-

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Petroleum PROMAT chemicals 1 L, 6 L (Art.Nr.: 4000355950, 400355951)

Revision date : 26.04.2016

Version (Revision) : 18.0.0 (17.0.0)

Print date : 16.09.2016

Sea transport (IMDG)

Class(es) : 9
EmS-No. : F-A / S-F
Hazard label(s) : 9

Air transport (ICAO-TI / IATA-DGR)

Class(es) : -

14.4 Packing group

14.5 Environmental hazards

Land transport (ADR/RID) : No
Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

None

14.8 Additional information

Land transport (ADR/RID)

No dangerous good in sense of these transport regulations.

Sea transport (IMDG)

Inland waterway craft (ADN)

Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

National regulations

Water hazard class (WGK)

Class : 2 (Hazardous to water)

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 11. Irritant and corrosive effects · 11. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) · 11. STOT-single exposure · 11. Aspiration hazard · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR) · 14. Additional information - Land transport (ADR/RID) · 14. Additional information - Air transport (ICAO-TI / IATA-DGR) · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.4 Relevant H- and EUH-phrases (Number and full text)

None

16.5 Training advice

None

16.6 Additional information

None

Safety Data Sheet

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
