

Safety Data Sheet

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



Trade name : NOW - Petroleum

Revision date : 19.08.2013

Print date : 30.08.2013

Version (Revision) : 15.0.0 (14.0.0)

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

1.1 Product identifier

NOW - Petroleum

HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0) ;
REACH registration No. : 01-2119458869-15 ; EC No. : 925-653-7

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

Relevant identified uses

Coatings and paints, fillers, putties, thinners

Washing and cleaning products (including solvent based products)

1.3 Details of the supplier of the safety data sheet

Supplier : NORTHWEST Handel AG

Street : Berliner Straße 26 - 36

Postal code/city : D 58135 Hagen

Telephone : +492331/461-0

Telefax : +492331/461-9999

Information contact : NORTHWEST Handel AG

1.4 Emergency telephone number

+496221/5301-0 (7.30 - 16.00)

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.

Classification according to Directive 67/548/EEC or 1999/45/EC

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · Harmful: may cause lung damage if swallowed.

R 52/53 · Xn ; R 65 · R 66

Classification procedure

Calculation method. Harmonised (legal) classification.

2.2 Label elements

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

Hazard pictograms



Health hazard (GHS08)

Signal word

Danger

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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 or doctor/physician.
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

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%, (ex. CAS-no.: 64742-81-0)
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.

In case of 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.

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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

Full 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

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.

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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%, (ex. CAS-no.: 64742-81-0)

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/DMEL (Consumer) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))

Exposure route : Oral

Exposure frequency : Long-term (repeated)

Limit value : 28 mg/kg

Safety factor : 1 d

Limit value type : DNEL/DMEL (Consumer) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))

Exposure route : Dermal

Exposure frequency : Long-term (repeated)

Limit value : 28 mg/kg

Safety factor : 1 d

Limit value type : DNEL/DMEL (Consumer) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))

Exposure route : Inhalation

Exposure frequency : Long-term (repeated)

Limit value : 71 mg/m³

Limit value type : DNEL/DMEL (Industrial) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))

Exposure route : Dermal

Exposure frequency : Long-term (repeated)

Limit value : 48 mg/kg

Safety factor : 1 d

Limit value type : DNEL/DMEL (Industrial) (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))

Exposure route : Inhalation

Exposure frequency : Long-term (repeated)

Limit value : 330 mg/m³

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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 : FKM (fluoro rubber)

Breakthrough time (maximum wearing time) : \geq 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

Suitable respiratory protection apparatus

Filtering device (full mask or mouthpiece) with filter : A/P2

General health and safety measures

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

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

Boiling temperature/boiling range :	(1013 hPa)	180,0 - 260,0	°C	
Flash point :		ca.	65,0	°C
Ignition temperature :			240,0	°C
Lower explosion limit :			0,6	Vol-%
Upper explosion limit :			6,5	Vol-%
Dichte :	(15 °C)	ca.	0,817	g/cm ³
Water solubility :	(20 °C)		not miscible	

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pH value:	(20 °C / conc.)	not applicable		
Maximum VOC content (EC) :	(20 °C)	100,0	Wt %	gem. RL 1999/13/EG
Maximum 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

Carbon dioxide (CO₂). Carbon monoxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

May cause respiratory irritation.

Acute effects

Acute oral toxicity

Parameter :	LD50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5060 mg/kg
Methode :	OECD 401

Acute dermal toxicity

Parameter :	LD50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	ca. 3400 mg/kg
Methode :	OECD 402

Acute inhalation toxicity

Parameter :	LC50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Exposure route :	Inhalation
Species :	Rat
Effective dose :	13100 mg/m ³
Methode :	OECD 403

Irritant and corrosive effects

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Not an irritant.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on existing data the substance does not fulfill the criteria of CMR-substances Cat. 1 and 2 according 67/548/EEC.

Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness.

Aspiration hazard

Harmful: may cause lung damage if swallowed.

11.2 Toxicokinetics, metabolism and distribution

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

11.3 Other adverse effects

No information available.

11.4 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 : LL50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Species : Oncorhynchus aguabonita (Goldforelle)
Effective dose : 10 - 30 mg/l
Exposure time : 96 h
Methode : OECD 203

Chronic (long-term) fish toxicity

Parameter : NOELR (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Species : Oncorhynchus aguabonita (Goldforelle)
Effective dose : 0,079 - 0,288 mg/l
Exposure time : 28 d

Acute (short-term) daphnia toxicity

Parameter : EL50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Species : Daphnia magna (Big water flea)
Effective dose : 10 - 22 mg/l
Exposure time : 48 h
Methode : OECD 202

Chronic (long-term) daphnia toxicity

Parameter : NOELR (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Species : Daphnia magna (Big water flea)
Effective dose : 0,28 mg/l
Exposure time : 21 d

Acute (short-term) algae toxicity

Parameter : EL50 (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Species : Pseudokirchneriella subcapitata

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Effective dose : 4,6 - 10 mg/l
Exposure time : 72 h
Methode : OECD 201

12.2 Persistence and degradability

Biodegradation

Analytical method : Biodegradation (HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25%, (ex. CAS-no.: 64742-81-0))
Parameter : Degree of elimination
Degradation rate : 74,7 %
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 Further ecological 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%, (ex. CAS-no.: 64742-81-0)

14.3 Transport hazard class(es)

Sea transport (IMDG)

Class(es) : 9

EmS-No. : F-A / S-F

Hazard label(s) : 9

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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

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

07. Hints on joint storage - Storage class · 14. Transport hazard class(es) - 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 Relevant R-phrases (Number and full text)

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

16.5 Training advice

None

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.