

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Wir machen
Chemie nutzbar

Product name : Now - Petroleum A III (066013770000-0201)
Revision : 02.02.2012 **Version :** 13.0.0
Print date : 24.07.2012

01. Identification of the substance/preparation and of the company/undertaking

Product name : Now - Petroleum A III
Use of the substance / preparation : THINNER
Manufacturer/Supplier : Chemische Werke Kluthe
Werk Oberhausen
Street/P.O.Box : Feldstraße 55
Country code/Postal code/Town/City : D 46149 Oberhausen
Telephone : +49208 / 9948-161
Telefax : +49208 / 9948-151
Contact : sds.ob@kluthe.com
Emergency information : +49177 / 2144737

02. Hazards identification

Hazard designation

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.

Classification : R 52/53 · Xn ; R 65 · R 66

Regulation (EC) No 1272/2008 (GHS)

May be fatal if swallowed and enters airways. · Harmful to aquatic life with long lasting effects.

Classification : Asp.Tox. 1 ; H304 · Aquatic Chronic 3 ; H412

03. Composition/information on ingredients

Chemical characterization

ORGANIC SOLVENTS

HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25% ; Registration number (EC) : 01-2119458869-15 ; CAS-No. : 64742-81-0 ; EC-No. : 925-653-7 ; Index-No. : 649-423-00-8

Percentage : ≥ 90 - < 100 %

04. First aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. For further information refer to "specifications about toxicology".

After inhalation

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position - call a physician.

After skin contact

Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Do not induce vomiting - call a physician. Drink plenty of water. Keep at rest.

05. Firefighting measures

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : Now - Petroleum A III (066013770000-0201)
Revision : 02.02.2012 **Version :** 13.0.0
Print date : 24.07.2012

Waterjet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Special protective equipment

Appropriate breathing apparatus may be required.

Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

06. Accidental release measures

Personal precautions

Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

07. Handling and storage

Information for safe handling

Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws.

Information about protection against explosions and fires

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Requirements to be met by storerooms and containers

Lagerung in Übereinstimmung mit der Betriebssicherheitsverordnung. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep away from ignition sources - No smoking.

Storage class : 10

08. Exposure controls/personal protection

Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Components with critical values that require monitoring at the workplace (exposure limits)

HYDROCARBONS, C11-C14, ISO-ALKANES, N-ALKANES, CYCLICS AROMATES 2-25% ; CAS-No. : 64742-81-0

Specification : AGW (D)

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : Now - Petroleum A III (066013770000-0201)
Revision : 02.02.2012 **Version :** 13.0.0
Print date : 24.07.2012

Value : 250 mg/m³
Remarks : Langzeit, berechnet nach RCP-Methode
Version date :
Specification : AGW (D)
Value : 500 mg/m³
Remarks : Kurzzeit, berechnet nach RCP-Methode
Version date :

Personal protective equipment

General protective and hygiene measures

Wash hands before breaks and after work.

Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn. Depending on the boiling begin of the product: Respiration filter A (> 65 °C), or AX (< 65 °C), or air fed respirator.

Hand protection

Solvent-resistant protective gloves must be worn. Material: Neoprene, PVA. After washing hands replace lost skin fat by fat containing skin creams.

Eye protection

Use safety glasses.

Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

09. Physical and chemical properties

Relevant safety data

Appearance :		liquid	
Colour :		colourless	
Odour :		Petroleum	
Boiling temperature / boiling range :	(1013 hPa)	180,0 - 260,0	°C
Flash point :	ca.	65,0	°C DIN 51755
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	
pH value:	(20 °C / conc.)	not applicable	
Maximum VOC content (EC) :	(20 °C)	100,0	Wt % gem. RL 1999/13/EG
Gehalt VOC (Decopaint) :	(20 °C)	100,0	Wt % gem. RL 2004/42/EG

10. Stability and reactivity

Conditions to avoid

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

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Toxicological tests

LD50/LC50 values that are relevant for classification

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Wir machen
Chemie nutzbar

Product name : Now - Petroleum A III (066013770000-0201)
Revision : 02.02.2012 **Version :** 13.0.0
Print date : 24.07.2012

Specification :	LC50
Routes of entry :	Inhalation
Test species :	Rat
Value / dosage :	13100 mg/m ³
Specification :	LD50
Routes of entry :	Oral
Test species :	Rat
Value / dosage :	> 5060 mg/kg
Specification :	LD50
Routes of entry :	Dermal
Test species :	Rabbit
Value / dosage :	ca. 3400 mg/kg

Experience on practice

Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. In case of contact with the product: danger of resorption through the skin, irritation of skin/mucous membranes. Eye contact: irritation.

Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

Ecotoxical effects

Aquatic toxicity

Specification :	LL50
Parameters :	Oncorhynchus mykiss (Rainbow trout) Acute (short-term) fish toxicity
Value / dosage :	10 - 30 mg/l
Test-period :	96 h
Specification :	NOELR
Parameters :	Oncorhynchus mykiss (Rainbow trout) Chronic (long-term) fish toxicity
Value / dosage :	0,079 - 0,288 mg/l
Test-period :	28 Tag(e)
Specification :	EL50
Parameters :	Daphnia magna (Big water flea) Acute (short-term) daphnia toxicity
Value / dosage :	10 - 22 mg/l
Test-period :	48 h
Specification :	NOELR
Parameters :	Daphnia magna (Big water flea) Chronic (long-term) daphnia toxicity
Value / dosage :	0,28 mg/l
Test-period :	21 Tag(e)
Specification :	EL50
Parameters :	Pseudokirchneriella subcapitata Acute (short-term) algae toxicity
Value / dosage :	4,6 - 10 mg/l
Test-period :	72 h

Additional ecological information

General ecological information

Do not empty into waters or drains.

13. Disposal considerations

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Wir machen
Chemie nutzbar

Product name : Now - Petroleum A III (066013770000-0201)
Revision : 02.02.2012 **Version :** 13.0.0
Print date : 24.07.2012

In accordance with local official regulations. Remove in accordance with regulations.

Product

Waste key

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

14. Transport information

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : 9 **EmS number :** F-A / S-F
UN number : 9003 **Marine Poll. :** -

Proper shipping name

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

Packaging

Label : 9

15. Regulatory information

Labelling (67/548/EEC or 1999/45/EC)

Danger symbol and danger designation



Xn ; Harmful

R-phrases

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.

S-phrases

62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
2 Keep out of the reach of children.
23 Do not breathe vapour/spray.
24 Avoid contact with skin.

Special designation for certain preparations

20 EC-label.

Regulation (EC) No 1272/2008 (GHS)

Classification

Hazard classes and hazard categories

Flam. Liq. 4 · Asp.Tox. 1 · Aquatic Chronic 3

Labelling

Hazard pictograms



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 the reach of children.
P101 If medical advice is needed, have product container or label at hand.

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Wir machen
Chemie nutzbar

Product name : Now - Petroleum A III (066013770000-0201)
Revision : 02.02.2012 **Version :** 13.0.0
Print date : 24.07.2012

P273 Avoid release to the environment.
P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P405 Store locked up.
P501 Dispose of contents/container to

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

National regulatory information

Water pollution classification

Class : 2

16. Other information

Further information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

Relevant changes

03. Chemical characterization · 03. Hazardous components · 08. References to the thresholds · 15. S-phrases · 15. Special designation for certain preparations · 15. Water pollution classification · 02. Labelling (67/548/EEC or 1999/45/EC) · 03. Substances · 03. Hazardous ingredients · 08. Occupational exposure limit values · 15. Water hazard class (WGK)

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
