

# Safety Data Sheet

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



**Trade name :** NOW - Waschbenzin

**Revision date :** 12.04.2013

**Print date :** 30.08.2013

**Version (Revision) :** 18.0.0 (17.0.0)

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

### 1.1 Product identifier

NOW - Waschbenzin

HYDROCARBONS, C6-C7, N-ALKANES, ISO-ALKANES, CYCLICS < 5% N-HEXANE, (ex. CAS-no.: 64742-49-0) ; REACH registration No. : 01-2119475514-35 ; EC No. : 921-024-6 ; INDEX No. : 649-328-00-1

### 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 :** Chemische Werke Kluthe GmbH  
Werk Wieblingen

**Street :** Mittelgewannweg 4-8

**Postal code/city :** D 69123 Heidelberg-Wieblingen

**Telephone :** +496221/5301-0

**Telefax :** +496221/5301-176

**Information contact :** sds.hd@kluthe.com

### 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 2 ; H411 - Hazardous to the aquatic environment : Category 2 ; Toxic to aquatic life with long lasting effects.

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

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

STOT SE 3 ; H336 - Specific target organ toxicity (single exposure) : Category 3 ; May cause drowsiness or dizziness.

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

Highly flammable. · Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. ·

Harmful: may cause lung damage if swallowed. · Irritating to skin.

F ; R 11 · N ; R 51/53 · Xn ; R 65 · Xi ; R 38 · R 67

#### Classification procedure

Calculation method. Harmonised (legal) classification.

### 2.2 Label elements

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

##### Hazard pictograms



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Flame (GHS02) · Health hazard (GHS08) · Environment (GHS09) · Exclamation mark (GHS07)

## Signal word

Danger

## Hazard statements

- H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic 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.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P271 Use only outdoors or in a well-ventilated area.  
P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P405 Store locked up.  
P501 Dispose of contents/container according to local regulations

## 2.3 Other hazards

None

## SECTION 3: Composition / information on ingredients

ORGANIC SOLVENTS

### 3.1 Substances

**Substance name :** HYDROCARBONS, C6-C7, N-ALKANES, ISO-ALKANES, CYCLICS < 5% N-HEXANE, (ex. CAS-no.: 64742-49-0)

**INDEX No. :** 649-328-00-1

**EC No. :** 921-024-6

**REACH No. :** 01-2119475514-35

**Purity :** ≥ 90 - < 100 % [mass]

#### Hazardous impurities

N-HEXANE ; REACH registration No. : 01-2119480412-44 ; EC No. : 203-777-6; CAS No. : 110-54-3

Weight fraction : 1 - 5 %

Classification 67/548/EEC : F ; R11 Repr. Cat.3 ; R62 N ; R51/53 Xn ; R48/20 Xn ; R65 Xi ; R38 R67

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Repr. 2 ; H361f STOT RE 2 ; H373 Skin Irrit. 2 ; H315 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

## 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

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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. After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

## **After eye contact**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

## **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 drunk 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**

None

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

alcohol resistant foam Carbon dioxide (CO<sub>2</sub>) 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 (CO<sub>2</sub>)

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

## **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.

### **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**

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## 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. Only use the material in places where open light, fire and other flammable sources can be kept away.

### Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists  
Take precautionary measures against static discharge.

#### Measures to prevent fire

Keep away from sources of ignition. - No smoking. Usual measures for fire prevention. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Provide earthing of containers, equipment, pumps and ventilation facilities. Use only antistatically equipped (spark-free) tools. Wear anti-static footwear and clothing. Take precautionary measures against static discharge.

#### 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):** 3

**Storage class (TRGS 510) :** 3

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

HYDROCARBONS, C6-C7, N-ALKANES, ISO-ALKANES, CYCLICS < 5% N-HEXANE, (ex. CAS-no.: 64742-49-0)

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 1000 mg/m<sup>3</sup>

Peak limitation : 4

Remark : 31

Version : 05.02.2004

#### DNEL/DMEL and PNEC values

##### DNEL/DMEL

Limit value type : DNEL/DMEL (Consumer)

Exposure route : Dermal

Exposure frequency : Long-term (repeated)

Limit value : 699 mg/kg

Limit value type : DNEL/DMEL (Consumer)

Exposure route : Inhalation

Exposure frequency : Long-term (repeated)

Limit value : 608 mg/m<sup>3</sup>

Limit value type : DNEL/DMEL (Consumer)

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Exposure route :	Oral
Exposure frequency :	Long-term (repeated)
Limit value :	699 mg/kg
Limit value type :	DNEL/DMEL (Industrial)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	773 mg/kg
Limit value type :	DNEL/DMEL (Industrial)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	2035 mg/m <sup>3</sup>

## 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 (maximum wearing time) :** >= 480 min

**Thickness of the glove material :** 0,5 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

**Suitable protective clothing :** For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Chemical resistant safety shoes Only wear fitting, comfortable and clean protective clothing.

**Required properties :** antistatic. flame-resistant heat-resistant

**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.

**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.

## SECTION 9: Physical and chemical properties

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## 9.1 Information on basic physical and chemical properties

**Appearance :** liquid

**Colour :** colourless

**Odour :** paraffin

### Safety relevant basis data

<b>Boiling temperature/boiling range :</b>	( 1013 hPa )	80,0 - 110,0	°C	
<b>Flash point :</b>		ca.	-20,0	°C
<b>Ignition temperature :</b>			250,0	°C
<b>Lower explosion limit :</b>			0,8	Vol-%
<b>Upper explosion limit :</b>			6,5	Vol-%
<b>Dichte :</b>	( 15 °C )	ca.	0,714	g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )		not miscible	
<b>pH value:</b>	( 20 °C / conc. )		not applicable	
<b>Maximum VOC content (EC) :</b>	( 20 °C )		100,0	Wt %
<b>Maximum VOC content (Decopaint):</b>	( 20 °C )		100,0	Wt %

DIN 51755 part 1

gem. RL 1999/13/EG

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

Formation of explosive mixtures with: Air. possible

### 10.4 Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

### 10.5 Incompatible materials

Alkali (lye), concentrated. Acid, concentrated. Oxidising agent, strong.

### 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

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. May cause respiratory irritation.

#### Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg

#### Acute dermal toxicity

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Parameter : LD50  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 2000 mg/kg

## **Irritant and corrosive effects**

### **Primary irritation to the skin**

slightly irritant

## **Sensitisation**

not sensitising.

## **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

negative.

## **Specific target organ toxicity (single exposure)**

May cause drowsiness or dizziness.

## **11.2 Toxicokinetics, metabolism and distribution**

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

## **11.3 Other adverse effects**

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. Has degreasing effect on the skin.

## **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  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 1 - 10 mg/l

##### **Chronic (long-term) fish toxicity**

Parameter : NOEC  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : 1 - 10 mg/l

##### **Acute (short-term) daphnia toxicity**

Parameter : EL50  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : 1 - 10 mg/l

##### **Chronic (long-term) daphnia toxicity**

Parameter : NOEC  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 0,1 - 1 mg/l

##### **Acute (short-term) algae toxicity**

Parameter : EL50  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 10 - 100 mg/l

### **12.2 Persistence and degradability**

Readily biodegradable (according to OECD criteria).

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## 12.3 Bioaccumulative potential

Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

## 12.4 Mobility in soil

negative.

## 12.5 Results of PBT and vPvB assessment

negative.

## 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

UN 3295

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

HYDROCARBONS, LIQUID, N.O.S.

#### Sea transport (IMDG)

HYDROCARBONS, LIQUID, N.O.S.

#### Air transport (ICAO-TI / IATA-DGR)

HYDROCARBONS, LIQUID, N.O.S.

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

**Class(es) :** 3  
**Classification code :** F1  
**Hazard identification number (Kemler No.) :** 33  
**Special provisions :** 640D · LQ 4 · E 2  
**Hazard label(s) :** 3 / N

#### Sea transport (IMDG)

**Class(es) :** 3  
**EmS-No. :** F-E / S-D  
**Special provisions :** E 2  
**Hazard label(s) :** 3 / N

#### Air transport (ICAO-TI / IATA-DGR)



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**Class(es) :** 3  
**Special provisions :** E 2  
**Hazard label(s) :** 3

## 14.4 Packing group

II

## 14.5 Environmental hazards

**Land transport (ADR/RID) :** Yes  
**Sea transport (IMDG) :** Yes (P)  
**Air transport (ICAO-TI / IATA-DGR) :** Yes

## 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

03. Substances · 07. Hints on joint storage - Storage class · 08. Occupational exposure limit values · 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)

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
R11	Highly flammable.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

### 16.5 Training advice

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None

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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.

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