



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.06.2013

Revision: 12.06.2013

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

- **1.1 Product identifier**
- **Trade name** *Nisiwa SN*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the preparation** *Hydrophobing agent/ water repellent*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** *MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8
D-46238 Bottrop*
*Tel.: ++49(0)2041-101-0
Fax.: ++49(0)2041-101-384
E-Mail: info@mc-bauchemie.de*
- **Informing department:** *Product safety department.
msds@mc-bauchemie.com*
- **1.4 Emergency telephone number:** *Tel.: ++49(0)178 310 10 43*

SECTION 2: Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
*Flam. Liq. 3 H226 Flammable liquid and vapour.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.*
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Xn; Harmful
R65: Harmful: may cause lung damage if swallowed.
N; Dangerous for the environment
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R10-67: Flammable. Vapours may cause drowsiness and dizziness.
- **Classification system:** *The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** *The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**



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- **Signal word** Danger
- **Hazard-determining components of labelling:** Distillates (petroleum), hydrotreated light
- **Hazard statements** H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
 - P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 - P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P405 Store locked up.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions.

- **Dangerous components:**

CAS: 64742-47-8 EINECS: 265-149-8	Distillates (petroleum), hydrotreated light Xn R65 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	25-100%
CAS: 123-42-2 EINECS: 204-626-7	4-hydroxy-4-methylpentan-2-one Xi R36 Flam. Liq. 3, H226; Eye Irrit. 2, H319	1-<2.5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Prevent material from reaching sewage system, holes and cellars.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections** See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storage**
- **Information about storage in one common storage facility:** Do not store together with textiles.
- **Further information about storage conditions:** Keep container tightly sealed.

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· **7.3 Specific end use(s)** *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:** *No further data; see item 7.*

8.1 Control parameters

· **Components with critical values that require monitoring at the workplace:**

123-42-2 4-hydroxy-4-methylpentan-2-one (1-<2.5%)

WEL ()	Short-term value: 362 mg/m ³ , 75 ppm Long-term value: 241 mg/m ³ , 50 ppm
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· **Additional information:** *The lists that were valid during the compilation were used as basis.*

8.2 Exposure controls

· **Personal protective equipment**

· **General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

· **Breathing equipment:**

Filter AX.

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **Protection of hands:**

Protective gloves.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

· **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed safety glasses.

· **Body protection:**

Protective work clothing.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: *Fluid*

Colour: *Colourless*

· **Smell:** *Characteristic*

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· Change in condition Melting point/Melting range: Not applicable Boiling point/Boiling range: 150 °C	
· Flash point:	38 °C
· Ignition temperature:	230 °C
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion: Lower: Upper:	0.6 Vol % 6.5 Vol %
· Steam pressure at 20 °C:	1.1 mbar
· Density at 20 °C	0.85 g/cm ³
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Viscosity: kinematic at 20 °C:	11 s (DIN 53211/4)
· 9.2 Other information	TRGS 404 Bewertung von Kohlenwasserstoffdämpfen in der Luft am Arbeitsplatz: Klasse 2

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:****64742-47-8 Distillates (petroleum), hydrotreated light**

Oral	LD50	> 6000 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Ratte)
Inhalative	LC50/4 h	> 5 mg/l (Ratte)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.

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- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 04	other organic solvents, washing liquids and mother liquors

- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1139
- **14.2 UN proper shipping name**
- **ADR** 1 1 3 9 COATING SOLUTION , ENVIRONMENTALLY HAZARDOUS

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· IMDG · IATA	COATING SOLUTION, MARINE POLLUTANT COATING SOLUTION
· 14.3 Transport hazard class(es) · ADR · Class · Label	 3 (F1) Flammable liquids. 3
· IMDG, IATA · Class · Label	 3 Flammable liquids. 3
· 14.4 Packing group · ADR, IMDG, IATA	 III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR):	 Yes Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Kemler Number: · EMS Number:	 Warning: Flammable liquids. 30 F-E, <u>S</u> -E
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code	 5L 3 D/E
· UN "Model Regulation":	UN1139, COATING SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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.

- **Relevant phrases** H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
- R36 Irritating to eyes.
R65 Harmful: may cause lung damage if swallowed.
- **Department issuing data specification sheet:** Environment protection department.

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- **Contact:** *Mr. Hemming*
- **Abbreviations and acronyms:** *RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
ICAO: International Civil Aviation Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

- *** Data compared to the previous version altered.**

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