

Safety data sheet

Page: 1/10

Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 18.07.2019

Product: **OXSILAN ADDITIVE 9950**

Version: 1.0

(30721583/SDS_GEN_NZ/EN)

Date of print 24.07.2019

1. Substance/preparation and manufacturer/supplier identification

OXSILAN ADDITIVE 9950

Recommended use: Additive for surface treatment of metals.

Not recommended use: None known

Manufacturer/supplier:

Chemetall (New Zealand) Ltd
664 Rosebank Road Avondale,
Auckland 1026
NEW ZEALAND
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency information:

Telephone: 0800 734 607

2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 1A

Serious eye damage/eye irritation: Cat. 1

Corrosive to metals: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary Statements (Prevention):

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash with plenty of water and soap thoroughly after handling.
P234 Keep only in original packaging.
P260 Do not breathe dust or mist.

Precautionary Statements (Response):

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P390 Absorb spillage to prevent material damage.
P363 Wash contaminated clothing before reuse.
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements (Storage):

P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SODIUM HYDROXIDE

3. Composition/information on ingredients

Chemical nature

inorganic

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Hazardous ingredients

sodium hydroxide

Content (W/W): $\geq 7\%$ - $< 10\%$
CAS Number: 1310-73-2

Met. Corr.: Cat. 1
Skin Corr./Irrit.: Cat. 1A
Eye Dam./Irrit.: Cat. 1

4. First-Aid Measures

General advice:

In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

On skin contact:

Flush with copious amounts of water for at least 15 minutes. Immediate medical attention required.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Summon medical aid without delay.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, dry powder, alcohol-resistant foam, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Hazardous decomposition products formed under fire conditions.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions:

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

Methods for cleaning up or taking up:

Ensure adequate ventilation. Pick up with inert absorbent material (e.g. sand, earth etc.). Take up mechanically and collect in suitable container (adequately labelled) for disposal.

7. Handling and Storage

Handling

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

The relevant fire protection measures should be noted.

Storage

Segregate from acids.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP)

Further information on storage conditions: Avoid contact with amphoteric metals (e.g. aluminium, lead, zinc).

Storage stability:

Storage temperature: -7 - 70 °C

Protect from temperatures below: -7 °C

Protect from temperatures above: 70 °C

8. Exposure controls and personal protection

Components with occupational exposure limits

sodium hydroxide, 1310-73-2;
CLV 2 mg/m³ (ACGIHTLV)
CLV 2 mg/m³ (OEL (NZ))

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Gas filter EN 14387 B)

Hand protection:

Chemical resistant protective gloves (EN 374)

Further information on penetration time is available from the manufacturer of the glove.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

General safety and hygiene measures:

Do not breathe vapour/spray. Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form: liquid
Colour: yellow
Odour: odourless
Odour threshold: No data available.

pH value: 11.8 - 12.8
(10.00000 g/l)

Melting point: < -7.00 °C
onset of boiling: not determined

Flash point: not applicable

Evaporation rate:	No data available.
Flammability (solid/gas):	not applicable
Lower explosion limit:	not determined
Ignition temperature:	not determined
Self ignition:	not self-igniting
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1.054 g/cm ³ (20 °C)
Relative vapour density (air):	No data available.
Solubility in water:	completely miscible
Miscibility with water:	miscible
Viscosity, kinematic:	6.0 mm ² /s (20 °C)
	(40 °C) not determined
Flow time:	< 30 s
	(DIN EN ISO 2431; 3 mm)

10. Stability and Reactivity

Conditions to avoid:
Protect from sunlight.

Substances to avoid:
acids, light metals

Corrosion to metals: Corrosive effect on metals.

Hazardous reactions:
May react with aluminum, zinc or tin, with formation of hydrogen.

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Based on available Data, the classification criteria are not met.

Irritation

Assessment of irritating effects:
Highly corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Respiratory/Skin sensitization

Assessment of sensitization:
Based on available Data, the classification criteria are not met.

Germ cell mutagenicity

Assessment of mutagenicity:
Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:
Based on available Data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:
Based on available Data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:
Based on available Data, the classification criteria are not met.

Specific target organ toxicity (single exposure):

Assessment of STOT single:
Based on available Data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Based on available Data, the classification criteria are not met.

Aspiration hazard

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Date / Revised: 18.07.2019
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No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available Data, the classification criteria are not met.

Mobility

Assessment transport between environmental compartments:

No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

No data available concerning biodegradation and elimination.

Elimination information:

No data available.

Bioaccumulation potential

Bioaccumulation potential:

No data available.

Additional information

Other ecotoxicological advice:

Do not allow to enter drains or waterways. Do not allow to enter soil, waterways or waste water channels.

13. Disposal Considerations

Observe national and local legal requirements.

Contaminated packaging:

Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

14. Transport Information

Domestic transport:

Packing group:	II
ID number:	UN 1824
Transport hazard class(es):	8
Proper shipping name:	SODIUM HYDROXIDE SOLUTION

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Further information

Hazchem Code:2R
IERG Number:37

Sea transport

IMDG

Packing group: II
ID number: UN 1824
Transport hazard class(es): 8
Marine pollutant: NO
Proper shipping name: SODIUM HYDROXIDE SOLUTION

Air transport

IATA/ICAO

Packing group: II
ID number: UN 1824
Transport hazard class(es): 8
Proper shipping name: SODIUM HYDROXIDE SOLUTION

15. Regulatory Information**Other regulations**

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

COR - Corrosive.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002609

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

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