



Chemetall
expect more⁺



Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 04.06.2019

Version: 1.0

Product: **GARDOBOND ADDITIVE H 7212**

(30722621/SDS_GEN_TH/EN)

Date of print 30.05.2023

1. Substance/preparation and manufacturer/supplier identification

GARDOBOND ADDITIVE H 7212

Recommended use: Additive for the cleaning of metal surfaces.

Not recommended use: None known

Manufacturer/supplier:

Chemetall Ltd., Abu Dhabi Branch

PO box: 43539

Utd.Arab.Emir.

2 554 6335

sds.global-chemetall@basf.com

Telephone: +66 2624-1999

Telefax number: +66 2664-9221

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

2. Hazard identification

Classification according to UN GHS 2009

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:

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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.

3. Composition/information on ingredients

Chemical nature

inorganic, aqueous solution

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Hazardous ingredients

sodium hydroxide

Content (W/W): $\geq 50\%$ - $< 75\%$	Met. Corr.: Cat. 1
CAS Number: 1310-73-2	Skin Corr./Irrit.: Cat. 1A
	Eye Dam./Irrit.: Cat. 1

4. First-Aid Measures

General advice:

Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety. Remove affected person from danger area. Show container, label and/or safety data sheet to physician.

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 and then drink 200-300 ml of 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.

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Further information:

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

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 discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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 substance/product is non-combustible. The relevant fire protection measures should be noted.

Storage

Segregate from acids.

Suitable materials for containers: Stainless steel 1.4301 (V2), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP)

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep in a cool, well-ventilated place. avoid contact with metals Protect from frost. Avoid direct sunlight.

8. Exposure controls and personal protection

Components with occupational exposure limits

sodium hydroxide, 1310-73-2;

CLV 2 mg/m³ (ACGIHTLV)

TWA value 2 mg/m³ (OEL (TH))

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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:

Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. 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: colourless, clear
Odour: odourless
Odour threshold: No data available.

pH value:
(20 °C)
No data available.

Melting point:
not determined

Boiling point: 100.00 °C

Flash point: > 99 °C

Evaporation rate:
No data available.

Flammability (solid/gas): hardly combustible

Lower explosion limit:
not determined

Ignition temperature:
not determined

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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:	1.510 g/cm ³ (20 °C)
Relative vapour density (air):	No data available.
Miscibility with water:	miscible
Viscosity, kinematic:	9.8 mm ² /s (20 °C)
	(40 °C) not determined
Flow time:	35 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. Risk of exothermic reaction.

Possible decomposition products:
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.

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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

No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

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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.

Bioaccumulation potential

Bioaccumulation potential:

No data available.

13. Disposal Considerations

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

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

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

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15. Regulatory Information

Other regulations

16. Other Information

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

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.