

Gardobond® Additive H 7271

Version 0.1

Revision Date 06/12/2015

Print Date 06/12/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Gardobond® Additive H 7271

Substance number : REL_10295

Chemical usage : Surface Pre-treatment material

Manufacturer or supplier's details

Company : Chemetall US, Inc.

Address : 675 Central Avenue
New Providence NJ 07974

Telephone : (800) 526-4473

Telefax : (908) 464-4658

Emergency telephone no : CHEMTREC - 800-424-9300, 1-703-527-3887 (International)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance	liquid
Colour	colourless
Odour	ammoniacal
Hazard Summary	Harmful by inhalation and if swallowed. Causes irritation of eyes and skin.

GHS Classification

Skin irritation : Category 2

Eye irritation : Category 2A

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : Causes skin irritation.
Causes serious eye irritation.Precautionary statements : **Prevention:**
Wash skin thoroughly after handling.
Wear eye protection/ face protection.

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Wear protective gloves.

Response:

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/ attention.

If eye irritation persists: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

Potential Health Effects

Inhalation : yes

Skin : yes

Ingestion : yes

Aggravated Medical Condition : None known.

Carcinogenicity:**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Ammonium hydroxide	1336-21-6	1 - 5

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

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SECTION 4. FIRST AID MEASURES

- | | | |
|-------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled | : | Remove person to fresh air. If signs/symptoms continue, get medical attention. |
| In case of skin contact | : | Wash off immediately with plenty of water for at least 15 minutes.
If skin irritation persists, call a physician. |
| In case of eye contact | : | Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
Seek medical advice. |
| If swallowed | : | Rinse mouth.
Drink 1 or 2 glasses of water.
Never give anything by mouth to an unconscious person.
Obtain medical attention. |

SECTION 5. FIREFIGHTING MEASURES

- | | | |
|-----------------------------------------------|---|--------------------------------------------------------------------------|
| Suitable extinguishing media | : | Carbon dioxide (CO ₂)
Dry chemical
Foam
Water spray |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | | |
|-------------------------------------------------------|---|------------------------------------------------------------------------------------------------|
| Methods and materials for containment and cleaning up | : | Soak up with inert absorbent material.
Neutralise with acid.
Flush with plenty of water. |
| Additional advice | : | Never return spills in original containers for re-use. |

SECTION 7. HANDLING AND STORAGE

- | | | |
|-----------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------|
| Conditions for safe storage | : | Keep containers dry and tightly closed to avoid moisture absorption and contamination.
Store indoors in a cool, well-ventilated place |
|-----------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------|

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

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Personal protective equipment

- Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
- Hand protection
Remarks : Impervious gloves
- Eye protection : Chemical resistant goggles must be worn.
- Hygiene measures : Avoid contact with skin, eyes and clothing.
Wear suitable gloves and eye/face protection.
Wear suitable protective clothing.
Wash hands before breaks and immediately after handling the product.
Provide adequate ventilation.
Do not inhale fumes.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : colourless
- Odour : ammoniacal
- pH : 9.5 - 10.5
- Freezing point : -2.22 °C
- Boiling point/boiling range : no data available
- Flash point :
does not flash
- Evaporation rate : 1
Water = 1
- Upper explosion limit : Not applicable.
- Lower explosion limit : Not applicable.
- Vapour pressure : no data available
- Relative density : 1.00
- Bulk density : 8.33 lb/gal
- Solubility(ies)
- Water solubility : completely soluble
- Partition coefficient: n-octanol/water : no data available
- Auto-ignition temperature : No data available
- Thermal decomposition : No data available
- Viscosity, dynamic : No data available

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SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: freezing Direct sources of heat.
Incompatible materials	: Acids Amines Strong oxidizing agents
Hazardous decomposition products	: Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000.000000 mg/kg
Method: Calculation method

Components:**Ammonium hydroxide:**

Acute oral toxicity : LD50 rat: 350.000000 mg/kg

LD50 rat: > 90.000000 mg/kg

LD50 rat: 8,100.000000 mg/kg

LD50 mouse: 7,600.000000 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

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STOT - single exposure

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

no data available

Bioaccumulative potential**Product:**Partition coefficient: n-
octanol/water

: Remarks: no data available

Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues

: Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION**International regulation****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION**TSCA Status**

: All components of this material comply with US TSCA requirements.

OSHA Hazards

: Toxic by ingestion

WHMIS Classification

: D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

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CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ammonium fluoride	12125-01-8	100	11,111

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations
Massachusetts Right To Know

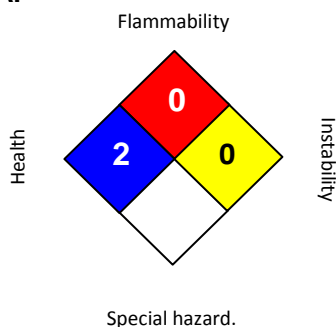
Ammonium hydroxide 1336-21-6

Pennsylvania Right To Know

 water 7732-18-5
 Ammonium hydroxide 1336-21-6
 Ammonium fluoride 12125-01-8

New Jersey Right To Know

 water 7732-18-5
 Ammonium hydroxide 1336-21-6

NFPA:

HMIS III:

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

 0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

Safety Glasses, Gloves, Apron

SECTION 16. OTHER INFORMATION

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Further information

Version 1.0

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Chemetall US, Inc. warrants that the products described herein will conform with its published specifications.

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