

**Gardolene<sup>®</sup> D 6800/6**

Version 0.1

Revision Date 06/04/2015

Print Date 06/04/2015

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Gardolene<sup>®</sup> D 6800/6

Substance number : REL\_10862>

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	pungent
Hazard Summary	Causes severe burns. Liquid or vapor causes burns which may be delayed. Also harmful by inhalation and if swallowed.

**GHS Classification**

Skin corrosion : Category 1A

Serious eye damage : Category 1

**GHS Label element**

Hazard pictograms : 

Signal word : Danger

Hazard statements : Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**  
Wash skin thoroughly after handling.  
Wear protective gloves/ protective clothing/ eye protection/ face

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protection.

**Response:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Wash contaminated clothing before reuse.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**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
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Trade secret registry	735517-5135P	10 - 20
Aluminum Hydroxide	21645-51-2	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.

**SECTION 4. FIRST AID MEASURES**

- |                         |  |
|-------------------------|--|
| If inhaled              | : If inhaled, remove to fresh air.<br>If symptoms persist, call a physician.<br>If breathing is irregular or stopped, administer artificial respiration.   |
| In case of skin contact | : Wash off immediately with plenty of water for at least 15 minutes.<br>Pay particular attention to skin under nails.<br>Take off contaminated clothing and shoes immediately.<br>First treatment with calcium gluconate paste.<br>Get medical attention immediately if irritation develops and persists |
| In case of eye contact  | : Rinse immediately with plenty of water for at least 15 minutes.<br>Keep eye wide open while rinsing.<br>Get medical attention immediately  |
| If swallowed            | : Rinse mouth.<br>Give several glasses of water to drink followed by milk of magnesia.<br>Never give anything by mouth to an unconscious person.<br>Get medical attention immediately  |

**SECTION 5. FIREFIGHTING MEASURES**

- |   |  |
|---|--|
| Suitable extinguishing media                  | : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Further information                           | : Use water spray to cool unopened containers.                             |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus.           |

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Ensure adequate ventilation.  |
| Methods and materials for containment and cleaning up               | : Ventilate area.<br>Neutralize with lime milk or soda and flush with plenty of water.<br>Clean up with inert absorbant material. |

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Keep in suitable, closed containers for disposal.  
 Flush with plenty of water.

Additional advice : Never return spills in original containers for re-use.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Add this product to surface of solution slowly to avoid spattering  
 Do not add large amounts of product to solution at any one time.  
 Use only with adequate ventilation.

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**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Trade secret registry	735517-5135P	TWA	5.000000 mg/m3	OSHA Z-1
		TWA	5.000000 mg/m3	ACGIH
		STEL	10.000000 mg/m3	ACGIH
		TWA	5.000000 mg/m3	OSHA P0
		STEL	10.000000 mg/m3	OSHA P0
		TWA	5.000000 mg/m3	NIOSH REL
		ST	10.000000 mg/m3	NIOSH REL
Aluminum Hydroxide	21645-51-2	TWA (Respirable fraction)	1.000000 mg/m3	ACGIH

**Personal protective equipment**

Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.

Hand protection  
 Remarks : Polyvinyl alcohol or nitrile- butyl-rubber gloves

Eye protection : Chemical resistant goggles must be worn.  
 Face-shield

Skin and body protection : Complete suit protecting against chemicals

Hygiene measures : Avoid contact with skin, eyes and clothing.

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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	: pungent
pH	: < 2.5
Freezing point	: -1.11 °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	: 1.158
Bulk density	: 9.65 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

**SECTION 10. STABILITY AND REACTIVITY**

Incompatible materials	: Bases Warning! Do not use together with other products. May release dangerous gases (chlorine). Avoid prolonged contact of concentrate with glass, ceramic, or concrete.
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Hazardous decomposition products : Acidic fumes  
Hydrogen, by reaction with metals  
Gaseous hydrogen fluoride (HF).

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Components:****Aluminum Hydroxide:**

Acute oral toxicity : LD50 rat: &gt; 2,000.000000 mg/kg

Acute inhalation toxicity : LC50 rat: 2,300.000000 mg/l  
Test atmosphere: dust/mist**Skin corrosion/irritation****Components:****Trade secret registry:**

Result: Corrosive

**Serious eye damage/eye irritation****Components:****Trade secret registry:**

Result: Corrosive

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**STOT - single exposure**

no data available

**STOT - repeated exposure**

no data available

**Aspiration toxicity**

no data available

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**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** : Corrosive to skin  
**WHMIS Classification** : E: Corrosive Material  
D2B: Toxic Material Causing Other Toxic Effects**EPCRA - Emergency Planning and Community Right-to-Know Act****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.

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**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**

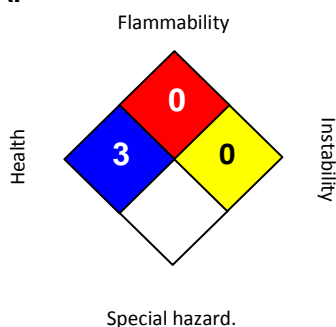
No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

water	7732-18-5
Trade secret registry	735517-5135P

**New Jersey Right To Know**

water	7732-18-5
Trade secret registry	735517-5135P
Aluminum Hydroxide	21645-51-2

**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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

Corrosive Acid

Splash Goggles, Gloves, Apron, Dust  
 and Vapour Respirator

**SECTION 16. OTHER INFORMATION**
**Further information**

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

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