

Gardolene® D 6871

Version 0.1

Revision Date 05/18/2015

Print Date 05/25/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Gardolene® D 6871

Substance number : REL_10232

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	straw
Odour	mild
Hazard Summary	Combustible material May cause eye irritation May be harmful if swallowed Repeated or prolonged ingestion of Ethanol may cause cancer

GHS Classification

Flammable liquids : Category 4

Carcinogenicity : Category 1A

GHS Label element

Hazard pictograms



Signal word : Danger

Hazard statements : Combustible liquid.
May cause cancer.

Precautionary statements : **Prevention:**

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Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Wear protective gloves/ eye protection/ face protection.

Use personal protective equipment as required.

Response:

IF exposed or concerned: Get medical advice/ attention.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

Store in a well-ventilated place. Keep cool.

Store locked up.

Disposal:

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

Potential Health Effects

Inhalation : no

Skin : no

Ingestion : yes

Aggravated Medical Condition : None known.

Carcinogenicity:**IARC**

Group 1: Carcinogenic to humans

Ethanol 64-17-5

ACGIH

Confirmed animal carcinogen with unknown relevance to humans

Ethanol 64-17-5

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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Ethanol

64-17-5 | 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 | : | Remove to fresh air.
If symptoms persist, call a physician. |
| In case of skin contact | : | Wash off with plenty of water.
If skin irritation persists, call a physician. |
| In case of eye contact | : | Keep eye wide open while rinsing.
Rinse immediately with plenty of water for at least 15 minutes.
If eye irritation persists, consult a specialist. |
| If swallowed | : | Rinse mouth.
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 |
| 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.
Remove all sources of ignition. |
| Methods and materials for containment and cleaning up | : | Ventilate area.
Use nonsparking equipment when cleaning up flammable spill.
Clean up with inert absorbant material.
Flush with plenty of water.
Keep in suitable, closed containers for disposal. |
| Additional advice | : | Never return spills in original containers for re-use. |

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SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Unscrew closure slowly. Allow all pressure to escape through threads before removing closure
Use with adequate ventilation.
- Conditions for safe storage : Keep containers tightly closed in a cool, well-ventilated place.
KEEP FROM FREEZING

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900.000000 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900.000000 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,900.000000 mg/m3	OSHA P0
		STEL	1,000 ppm	ACGIH

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 : Safety glasses with side-shields
- Skin and body protection : Rubber or plastic apron
- Hygiene measures : Avoid contact with eyes.
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 heat and flame.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	: liquid
Colour	: straw
Odour	: mild
pH	: 10.5 - 11.5
Freezing point	: -4.44 °C
Boiling point/boiling range	: no data available
Flash point	: 61 °C Method: Tag closed cup
Evaporation rate	: 1 Water = 1
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 1.007
Bulk density	: 8.40 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

Conditions to avoid	: Heat, flames and sparks. freezing
Incompatible materials	: Strong oxidizing agents Acids
Hazardous decomposition products	: Carbon dioxide (CO ₂) Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

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Product:

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

Components:**Ethanol:**

Acute oral toxicity : LD50 rat: 6,200.000000 mg/kg

LD50 rat: 7,060.000000 mg/kg

LDlo Humans: 1,400.000000 mg/kg

Acute inhalation toxicity : LC50 rat: 8,001.000000 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 rabbit: 19,999.000000 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation**Components:****Ethanol:**

Result: Eye irritation

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

SECTION 12. ECOLOGICAL INFORMATION

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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** : Combustible Liquid, Carcinogen, Moderate eye irritant
WHMIS Classification : B3: Combustible Liquid
D2B: Toxic Material Causing Other Toxic Effects**EPCRA - Emergency Planning and Community Right-to-Know Act****SARA 311/312 Hazards** : Fire Hazard
Chronic Health Hazard
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**

Ethanol

64-17-5

Pennsylvania Right To Know

water

7732-18-5

Ethanol

64-17-5

Trade Secret Registry

735517-5062P

2-Propanol

67-63-0

New Jersey Right To Know

water

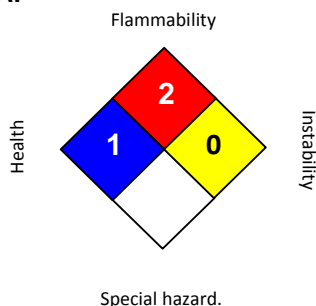
7732-18-5

Ethanol

64-17-5

Trade Secret Registry

735517-5062P

NFPA:**HMIS III:**

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0

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

Safety Glasses, Gloves

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.

The products supplied by Chemetall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Chemetall materials for their own

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