

CrysCoat[®] 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CrysCoat[®] 2707

Substance number : REL_11083

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	light yellow
Odour	mild
Hazard Summary	Liquid or vapor causes burns which may be delayed. Causes irritation of eyes and skin. May be harmful if swallowed

GHS Classification

Skin irritation : Category 2

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : Causes skin irritation.

Precautionary statements : **Prevention:**
Wash skin thoroughly after handling.
Wear protective gloves.
Response:
IF ON SKIN: Wash with plenty of soap and water.

CrysCoat® 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

If skin irritation occurs: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.

Potential Health Effects

Inhalation : no
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
Sodium nitrate	7631-99-4	5 - 10
Trade Secret Registry	735517-5124P	1 - 5
Trade Secret Registry	735517-5044P	1 - 5
E.P. Fatty Alcohol	174955-61-4	0.1 - 1
Trade secret registry	735517-5033P	0.1 - 1

Unidentified ingredients are considered not hazardous, or not required to be listed 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 : Move to fresh air.

CrysCoat® 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

If symptoms persist, call a physician.
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.
Take off contaminated clothing and shoes immediately.
First treatment with calcium gluconate paste.
Call a physician if irritation develops or persists.
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
Get medical attention immediately
- If swallowed : Rinse mouth.
Drink 1 or 2 glasses of water.
Never give anything by mouth to an unconscious person.
Get medical attention immediately

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical
- 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.
Neutralize with lime milk or soda and flush with plenty of water.
Clean up with inert absorbant material.
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 : Use only with adequate ventilation.
Add this product to surface of solution slowly to avoid spattering
Do not add large amounts of product to solution at any one

CrysCoat® 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

time.

Conditions for safe storage : Store indoors in a cool, well-ventilated place
Keep container closed to prevent drying out.
Keep container out of sun and away from heat.
Keep containers dry and tightly closed to avoid moisture absorption and contamination.

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

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, proper control and protection measures should be implemented.

Hand protection
Remarks : Impervious gloves

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

Skin and body protection : Rubber or plastic apron

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 : light yellow

Odour : mild

pH : < 2.5

Freezing point : < -1 °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.

CrysCoat® 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

Vapour pressure	: no data available
Relative density	: 1.128
Bulk density	: 9.41 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	: Avoid letting the product become dry.
Incompatible materials	: Bases Organic materials Reducing agents Combustible material Avoid prolonged contact of concentrate with glass, ceramic, or concrete.
Hazardous decomposition products	: Carbon dioxide (CO ₂) Carbon monoxide Oxides of phosphorus Sulphur oxides Nitrogen oxides (NO _x) Traces of Fluorides

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

Acute oral toxicity	: Acute toxicity estimate : > 5,000.000000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate : > 40.000000 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : > 5,000.000000 mg/kg Method: Calculation method

CrysCoat® 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

Components:**Sodium nitrate:**

Acute oral toxicity : LD50 rat: 1,267.000000 mg/kg
LD50 rabbit: 2,680.000000 mg/kg

Trade Secret Registry:

Acute oral toxicity : LD50 rat: 7,200.000000 mg/kg
Acute dermal toxicity : LD50 rabbit: 2,000.000000 mg/kg

Trade Secret Registry:

Acute oral toxicity : LD50 mouse: 980.000000 mg/kg
LD50 rat: 842.000000 mg/kg
Acute inhalation toxicity : Target Organs: Lungs, Mucous membranes

E.P. Fatty Alcohol:

Acute oral toxicity : LD50 rat: > 200.000000 mg/kg

Trade secret registry:

Acute oral toxicity : LD50 rat, male: 2,417.000000 mg/kg
Acute dermal toxicity : LD50 rabbit: 2,000.000000 mg/kg

Skin corrosion/irritation**Product:**

Result: Skin irritation

Components:**Trade Secret Registry:**

Result: Skin irritation

E.P. Fatty Alcohol:

Result: Skin irritation

Trade secret registry:

Result: Mild skin irritation

Serious eye damage/eye irritation**Product:**

Result: Moderate eye irritation

Components:

CrysCoat® 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

Sodium nitrate:

Result: Eye irritation

Trade Secret Registry:

Result: Eye irritation

E.P. Fatty Alcohol:

Result: Eye irritation

Trade secret registry:

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**Ecotoxicity**

no data available

Bioaccumulative potential**Product:**

Partition coefficient: n-octanol/water : Remarks: no data available

Components:**Sodium nitrate :**

Partition coefficient: n-octanol/water : log Pow: -3.8 (25 °C)

Other adverse effects

CrysCoat® 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

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 : Moderate skin irritant, Moderate eye irritant, Harmful by ingestion., Harmful by skin absorption.

WHMIS Classification : E: Corrosive Material
D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydrofluoric acid	7664-39-3	100	15,152

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydrofluoric acid	7664-39-3	100	15,152

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:
Hydrofluoric acid 7664-39-3

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:
Sodium nitrate 7631-99-4

CrysCoat® 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

US State Regulations**Massachusetts Right To Know**

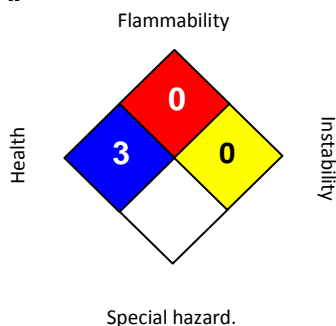
Sodium nitrate	7631-99-4
Hydrofluoric acid	7664-39-3

Pennsylvania Right To Know

water	7732-18-5
Trade secret registry	735517-5190P
Sodium nitrate	7631-99-4
Hydrofluoric acid	7664-39-3
Phosphoric acid	7664-38-2

New Jersey Right To Know

water	7732-18-5
Trade secret registry	735517-5190P
Sodium nitrate	7631-99-4
Trade Secret Registry	735517-5124P
Trade Secret Registry	735517-5044P

NFPA:**HMIS III:**

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

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**

Version 1.1

Revision Date 08/11/2016

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

CrysCoat[®] 2707

Version 1.1

Revision Date 08/11/2016

Print Date 08/11/2016

particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.