

Safety Data Sheet
Crysocoat 2707Revision date : 2018/07/19
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(30690290/SDS_GEN_US/EN)**1. Identification****Product Identifier used on the label****Crysocoat 2707****Recommended use of the chemical and restriction on use**

Recommended use*: Surface treatment agent

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheetCompany:Chemetall U.S., Inc.
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Other means of identification**2. Hazards Identification****According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200****Classification of the product**

Acute Tox.	4 (oral)	Acute toxicity
Acute Tox.	3 (dermal)	Acute toxicity
Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
Carc.	2	Carcinogenicity
STOT RE	2	Specific target organ toxicity — repeated exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Met. Corr.	1	Corrosive to metals

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Label elements

Pictogram:



Signal Word:
 Danger

Hazard Statement:

- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H311 Toxic in contact with skin.
- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H402 Harmful to aquatic life.
- H290 May be corrosive to metals.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H351 Suspected of causing cancer.

Precautionary Statements (Prevention):

- P201 Obtain special instructions before use.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P260 Do not breathe dust or mist.
- P270 Do not eat, drink or smoke when using this product.
- P202 Do not handle until all safety precautions have been read and understood.
- P234 Keep only in original packaging.
- P281 Use personal protective equipment as required.
- P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

- P305 + P338 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P361 Take off immediately all contaminated clothing.
- P330 Rinse mouth.
- P322 Specific measures (see on this label).
- P321 Specific treatment (see on this label).
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

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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.

Hazards not otherwise classified

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

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
Trade Secret	>= 0.2 - < 0.3%	3-nitrobenzenesulphonate, Na-Salt
7631-99-4	>= 5.0 - < 7.0%	Sodium nitrate
7664-39-3	>= 0.3 - < 1.0%	Hydrofluoric acid
Trade Secret	>= 1.0 - < 3.0%	Trade Secret Registry
174955-61-4	>= 0.3 - < 1.0%	Nopol ethoxylated propoxylated
Trade Secret	>= 0.3 - < 1.0%	Trade secret registry
Trade Secret	>= 1.0 - < 3.0%	Trade secret registry
7664-38-2	>= 0.3 - < 1.0%	Orthophosphoric acid

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothes, undergarments and shoes immediately. Remove affected person from danger area. Keep warm, calm and covered up. First aid personnel should pay attention to their own safety. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident. Call a poison control center or physician for treatment advice.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

If on skin:

Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Flush with copious amounts of water for at least 15 minutes. Immediate medical attention required. Apply calcium gluconate gel.

If in 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.

If swallowed:

Immediately rinse mouth and then drink milk or a magnesium hydroxide/calcium carbonate suspension, do not induce vomiting, seek medical attention. Summon medical aid without delay.

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Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see

section 2) and/or in section 11:

Hazards: Symptoms of poisoning may only appear after several hours. 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.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:

Administration of calcium gluconate.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

carbon dioxide, dry powder, water spray, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

fluorinated compounds, carbon oxides, nitrogenous compounds, phosphorus oxides, sulfur oxides

Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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 and material for containment and cleaning up

Rinse with plenty of water. Neutralize with soda or slaked lime. Pick up with inert absorbent material (e.g. sand, earth etc.). Pack in tightly closed containers for disposal.

7. Handling and Storage

Precautions for safe 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. Keep away from food, drink and

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animal feeding stuffs. Avoid contact with skin and eyes. 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.

Conditions for safe storage, including any incompatibilities

Segregate from bases.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (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 direct sunlight. avoid contact with metals

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Orthophosphoric acid	OSHA PEL	PEL 1 mg/m ³ ; STEL value 3 mg/m ³ ; TWA value 1 mg/m ³ ;
	ACGIH TLV	TWA value 1 mg/m ³ ; STEL value 3 mg/m ³ ;

Advice on system design:

Use only in well-ventilated areas.

Personal protective equipment

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166) protective shield

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

General safety and hygiene measures:

Eye wash fountains and safety showers must be easily accessible. Handle in accordance with good industrial hygiene and safety practice. 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

Odour threshold:	No data available.
pH value:	< 2.5 (20 °C) (undiluted)
Melting point:	< -1.00 °C
boiling temperature:	not determined
Flash point:	not applicable
Flammability:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Autoignition:	
Vapour pressure:	No data available.
Relative density:	No data available.

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Vapour density: No data available.
Solubility in water: fully soluble
Miscibility with water: miscible in all proportions
Evaporation rate: No data available.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effect on metals.

Oxidizing properties:

not fire-propagating

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts with metals, with evolution of hydrogen.

Conditions to avoid

Avoid drying-out.

Incompatible materials

bases, organic substances, reducing agents, flammable, oxidizable substances, Avoid prolonged contact of concentrate with glass, ceramic, or concrete.

Hazardous decomposition products

Decomposition products:
Possible decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry

Ingestion

Skin

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: The substance/product can be absorbed through the skin in toxic amounts. Harmful if swallowed.

Oral

Type of value: ATE

Value: 500.0000 mg/kg

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Dermal

Type of value: ATE
Value: 300.0000 mg/kg

Irritation / corrosion

Assessment of irritating effects: Irritating to eyes and skin.

Sensitization

Assessment of sensitization: May cause sensitization by skin contact.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated exposure may affect certain organs.

Genetic toxicity

Assessment of mutagenicity: Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: Limited evidence of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity: Based on available Data, the classification criteria are not met.

Teratogenicity

Assessment of teratogenicity: Based on available Data, the classification criteria are not met.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:
Acutely harmful for aquatic organisms.

Persistence and degradability

Elimination information

No data available.

Bioaccumulative potential

Bioaccumulation potential

Accumulation in organisms is not to be expected.

Mobility in soil

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Assessment transport between environmental compartments

No data available.

No data available.

Additional information

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

Observe national and local legal requirements.

Container disposal:

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

14. Transport Information

Land transport

USDOT

Hazard class:

8

Packing group:

III

ID number:

UN 2922

Hazard label:

8, 6.1

Proper shipping name:

CORROSIVE LIQUID, TOXIC, N.O.S. (contains
HYDROXYLAMMONIUM SULPHATE, HYDROFLUORIC ACID)
SOLUTION

Sea transport

IMDG

Hazard class:

8

Packing group:

III

ID number:

UN 2922

Hazard label:

8, 6.1

Marine pollutant:

NO

Proper shipping name:

CORROSIVE LIQUID, TOXIC, N.O.S. (contains
HYDROXYLAMMONIUM SULPHATE, HYDROFLUORIC ACID)
SOLUTION

Air transport

IATA/CAO

Hazard class:

8

Packing group:

III

ID number:

UN 2922

Hazard label:

8, 6.1

Proper shipping name:

CORROSIVE LIQUID, TOXIC, N.O.S. (contains
HYDROXYLAMMONIUM SULPHATE, HYDROFLUORIC ACID)
SOLUTION

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15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
7631-99-4	Sodium nitrate

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	7664-38-2	Orthophosphoric acid
100 LBS	7664-39-3	Hydrofluoric acid

State regulations

State RTK

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	Trade Secret	Trade Secret Registry
PA	7631-99-4	Sodium nitrate

NFPA Hazard codes:

Health: 3 Fire: 0 Reactivity: 0 Special:

HMIS III rating

Health: 3 Flammability: 0 Physical hazard: 0

16. Other Information

SDS Prepared by:

Chemetall (now part of BASF Group) NA Product Regulations
SDS Prepared on: 2018/07/19

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