



## SAFETY DATA SHEET CONVERSION COATING

### 1. Identification

#### Product identifier

**Product name**                      CONVERSION COATING

**Product number**                      3008

#### Recommended use of the chemical and restrictions on use

**Application**                              Industrial Use

#### Details of the supplier of the safety data sheet

**Supplier**                                  SIFCO Applied Surface Concepts  
5708 E. Schaaf Road  
Independence, Ohio 44131  
U.S.A.  
Tel.: +1 216-524-0099  
Fax: +1 216-524-6331  
E-Mail: info@sifcoasc.com

#### Emergency telephone number

**Emergency telephone**                      CHEMTREC (United States) (800) 424-0099; CHEMTREC (International) +1 703-527-3887

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards**                              Not Classified

**Health hazards**                              Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350 Repr. 1B - H360F

**Environmental hazards**                      Aquatic Acute 2 - H401 Aquatic Chronic 2 - H411

#### Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H360F May damage fertility.  
H411 Toxic to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> <p>P260 Do not breathe vapor/ spray.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P301+P310 If swallowed: Immediately call a poison center/ doctor.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p>
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**Contains** COBALT NITRATE

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<b>COBALT NITRATE</b>	<b>1-5%</b>
CAS number: 10141-05-6	
M factor (Acute) = 10	M factor (Chronic) = 10
<b>Classification</b> Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350i Repr. 1B - H360F Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

The full text for all hazard statements is displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes and get medical attention.
<b>Eye contact</b>	Remove affected person from source of contamination. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

#### Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.
<b>Skin contact</b>	May cause serious chemical burns to the skin.

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**Eye contact** Causes severe burns. May cause serious eye damage.

**Indication of immediate medical attention and special treatment needed**

**Notes for the doctor** No specific recommendations.

### 5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

**Special hazards arising from the substance or mixture**

**Specific hazards** Toxic and corrosive gases or vapors.

**Advice for firefighters**

**Protective actions during firefighting** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapors. Provide adequate general and local exhaust ventilation.

**Environmental precautions**

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

**Methods and material for containment and cleaning up**

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and dispose of spillage as indicated in Section 13. Wash thoroughly after dealing with a spillage.

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and storage

**Precautions for safe handling**

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapors and spray/mists. Provide adequate general and local exhaust ventilation.

**Conditions for safe storage, including any incompatibilities**

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight.

**Storage class** Toxic storage. Corrosive storage.

**Specific end uses(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure Controls/personal protection

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### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapor or mist.

#### Eye/face protection

Tight-fitting safety glasses.

#### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. It is recommended that gloves are made of the following material: Nitrile rubber.

#### Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

#### Hygiene measures

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

Color	Red-brown.
Odor	Odorless.
pH	pH (concentrated solution): 3.9-4.1
Flash point	No information available.
Relative density	1.004-1.008
Other information	Not available.

### 10. Stability and reactivity

Reactivity	Acid-reactive materials.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Acid-reactive materials.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Acids - oxidizing.
Hazardous decomposition products	None at ambient temperatures.

### 11. Toxicological information

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### Information on toxicological effects

<b>Inhalation</b>	Vapor from this product may be hazardous by inhalation.
<b>Ingestion</b>	Toxic if swallowed. Causes severe burns. May cause chemical burns in mouth, esophagus and stomach.
<b>Skin Contact</b>	May cause serious chemical burns to the skin. May cause sensitization or allergic reactions in sensitive individuals.
<b>Eye contact</b>	Causes serious eye damage. Immediate first aid is imperative.
<b>Acute and chronic health hazards</b>	Causes severe burns. May cause cancer.
<b>Route of entry</b>	Ingestion Inhalation Skin and/or eye contact

### 12. Ecological Information

<b>Ecotoxicity</b>	The product contains a substance which may have hazardous effects on the environment.
<b>Toxicity</b>	No data available.

### Ecological information on ingredients.

#### COBALT NITRATE

##### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.01 < L(E)C50 ≤ 0.1

M factor (Acute) 10

##### Chronic aquatic toxicity

M factor (Chronic) 10

### Persistence and degradability

**Persistence and degradability** No data available.

### Bioaccumulative potential

**Bio-Accumulative Potential** The product does not contain any substances expected to be bioaccumulating.

### Mobility in soil

**Mobility** The product is soluble in water.

### Other adverse effects

**Other adverse effects** Not determined.

### 13. Disposal considerations

#### Waste treatment methods

**General information** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

### 14. Transport information

#### UN Number

**UN No. (TDG)** 3082

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UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (DOT)	3082

### UN proper shipping name

Proper shipping name (TDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (COBALT NITRATE)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (COBALT NITRATE)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (COBALT NITRATE)
Proper shipping name (DOT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (COBALT NITRATE)

### Transport hazard class(es)

DOT hazard class	9
DOT hazard label	9
TDG class	9
TDG label(s)	9
IMDG Class	9
ICAO class/division	9

### Transport labels



### DOT transport labels



### Packing group

TDG Packing Group	III
IMDG packing group	III
ICAO packing group	III
DOT packing group	III

### Environmental hazards

#### Environmentally Hazardous Substance



### Special precautions for user

EmS	F-A, S-F
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## 15. Regulatory information

### US Federal Regulations

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### SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed.

### CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Not listed.

### SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed.

### SARA 313 Emission Reporting

Not listed.

### SARA (311/312) Hazard Categories

Acute  
Chronic

### OSHA Highly Hazardous Chemicals

Not listed.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

Not listed.

### Inventories

#### US - TSCA

All the ingredients are listed or exempt.

### 16. Other information

#### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Carc. = Carcinogenicity  
 Eye Dam. = Serious eye damage  
 Eye Irrit. = Eye irritation  
 Flam. Liq. = Flammable liquid  
 Muta. = Germ cell mutagenicity  
 Repr. = Reproductive toxicity  
 Resp. Sens. = Respiratory sensitisation  
 Skin Corr. = Skin corrosion  
 Skin Irrit. = Skin irritation  
 Skin Sens. = Skin sensitisation  
 STOT RE = Specific target organ toxicity-repeated exposure  
 STOT SE = Specific target organ toxicity-single exposure

#### Revision date

11/3/2017

#### Revision

1

#### Hazard statements in full

H317 May cause an allergic skin reaction.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H341 Suspected of causing genetic defects.  
 H350 May cause cancer.  
 H350i May cause cancer by inhalation.  
 H360F May damage fertility.  
 H400 Very toxic to aquatic life.  
 H401 Toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.

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<b>ACA HMIS Health rating.</b>	Slight hazard. (1)
<b>ACA HMIS Flammability rating.</b>	Will not burn. (0)
<b>ACA HMIS Physical hazard rating.</b>	Normally stable. (0)
<b>ACA HMIS Personal protection rating.</b>	C

The Information in this data sheet is believed to be correct but neither we nor our employees or agents give any warranty or make any representation to the accuracy thereof and accept no liability for any loss, injury or damage which may result in it's use. The sole purpose of this data sheet is to provide guidance on the safe handling and use of the products to which it relates. It does not form part of any product specification nor part of any contract. It is not practical for the guidance and information in this data sheet to cover every conceivable application of a product and as we may not be aware of the use to which the products covered by this data sheet are to be put it remains the responsibility of the user to conduct it's own tests and to satisfy itself as to the suitability of the product.