



FOSECO

Vesuvius USA

Foundry

20200 Sheldon Road, Cleveland, Ohio 44142

## Safety Data Sheet

**COVERAL® 100**

**SDS Number** SDS-11204

**Revision:** 8

**Legacy Number:**

### Preparation Information:

**Site:** All

Contact Customer Sales Representative for further product information during normal business hours.

### Section 1: Product and Company Identification

**Product Name:**  
COVERAL® 100

**Chemical Name:**  
N/A

**Formula:**  
MIXTURE

**CAS Number:**  
N/A

**Product Use:**  
Exothermic crossing flux.

### Supplier Information:

**Supplier Name:**  
Foseco

**Supplier Phone:**  
(440) 826-4548

### Supplier Address:

20200 Sheldon Rd.  
Cleveland, OH 44142  
USA

### Manufacturer Information:

**Manufacturer Name:**  
Foseco

**Manufacturer Phone:**  
(440) 826-4548


### Manufacturer Address:

20200 Sheldon Rd.  
Cleveland, OH 44142  
USA

### Emergency Contact Information:

CHEMTREC (800) 424-9300 (USA and Canada)

**Section 2: Hazard(s) Identification**

<b>Hazard Classification:</b> Acute Toxicity - Category 4 Serious Eye Damage/Eye Irritation - Category 2			
<b>Signal Word:</b> Warning			
<b>Hazard Statement(s):</b> Harmful if swallowed. Causes serious eye irritation.			
<b>Pictograms:</b> 			
<b>Precautionary Statement(s):</b>			
<b>Prevention</b> Wash hands thoroughly after handling.  Do not eat, drink or smoke when using this product.  Wear protective gloves and eye protection.	<b>Response</b> IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  Rinse mouth.  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  If eye irritation persists: Get medical advice.	<b>Storage</b> N/A	<b>Disposal</b> Dispose of contents/container in accordance with local, state and federal regulations.
<b>Hazards not Otherwise Classified:</b> None			
<b>Percentage of the mixture consisting of ingredients of unknown toxicity:</b> <1%			

**Section 3: Composition/Information on Ingredients**

Ingredient:	CAS No. / Other Identifiers:	% Weight:
Sodium Silico Fluoride	16893-85-9	7-13
Sodium Nitrate*	7631-99-4	5-10
Sodium Carbonate	497-19-8	3-7
Sodium Chloride	7647-14-5	30-60
Potassium Chloride	7447-40-7	15-40
*Oxidizer		

**Section 4: First Aid Measures**

<b>Emergency Overview:</b>
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N/A
<b>Potential Health Effects:</b> Skin, eyes and mucous membrane irritation possible. Toxic if ingested. Fluoride dust and fumes can cause nose bleeds.
<b>Chronic Health Hazards:</b> Prolonged inhalation of dust from product may result in fluorosis or other respiratory damage. Skin and respiratory tract sensitization possible. Fluorides can cause loss of appetite, vomiting, increase in bone density and may affect the CNS, skeleton and kidneys.
<b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing skin and respiratory ailments.

### Routes of Entry:

<b>Eyes?</b> Yes	<b>Skin?</b> Yes	<b>Inhalation?</b> Yes	<b>Ingestion?</b> No	<b>Other?</b> N/A
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### Carcinogenicity:

<b>NTP?</b> N/A	<b>IARC?</b> N/A	<b>OSHA?</b> N/A	<b>WHMIS?</b> N/A	<b>Other?</b> N/A
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### Details:

N/A

<b>Eye Contact:</b> Immediately flush with water for at least 15 minutes. Consult physician if irritation persists.
<b>Skin Contact:</b> Immediately wash with soap and water. Consult physician if irritation persists.
<b>Inhalation:</b> Remove person to fresh air. Consult physician if problems persist.
<b>Ingestion:</b> Drink lime water (0.15%) or milk. Induce vomiting. Do not make an unconscious person vomit. Consult physician immediately.

## Section 5: Fire-Fighting Measures

<b>Flash Point:</b> N/A	<b>Auto-Ignition:</b> N/A	<b>LEL:</b> N/A	<b>UEL:</b> N/A
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### NFPA Hazard Classification:

<b>Health:</b> 2	<b>Flammable:</b> 0	<b>Reactivity:</b> 0	<b>Special Hazard:</b> N/A
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### HMIS Hazard Classification:

<b>Health:</b> 2	<b>Flammable:</b> 0	<b>Reactivity:</b> 0	<b>PPE:</b> B
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<b>Extinguishing Media:</b> Will not burn.
<b>Special Fire Fighting Procedures:</b> Due to possibility of toxic fume if involved in fire, wear self-contained breathing apparatus.
<b>Unusual Fire and Explosion Hazards:</b> SENSITIVITY TO MECHANICAL IMPACT: N/A

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SENSITIVITY TO STATIC DISCHARGE: N/A  
OTHER: N/A

### Section 6: Accidental Release Measures

Sweep up or pick up with vacuum cleaner. Minimize dust levels and wear approved respirator.

### Section 7: Handling and Storage

Store in dry area away from acids. Minimize skin contact.

### Section 8: Exposure Controls/Personal Protection

Exposure Limits Ingredient	PEL-OSHA	TLV-ACGIH	Other
Sodium Silico Fluoride	2.5 mg/M3 as F	2.5 mg/M3 as F	N/A
Sodium Nitrate	N/AV	N/AV	N/A
Sodium Carbonate	N/AV	N/AV	N/A
Sodium Chloride	N/AV	N/AV	N/A
Potassium Chloride	N/AV	N/AV	N/A

#### Details:

N/A

#### Respiratory Protection:

If PEL/TLV is exceeded, wear NIOSH approved mask/respirator for the above listed ingredients.

#### Ventilation

LOCAL: N/A

SPECIAL: N/A

MECHANICAL: As required to maintain levels below the listed PEL/TLVs.

ENGINEERING CONTROLS: N/A

#### Protective Equipment:

GLOVES: Rubber or PVC

EYE: Safety glasses with side shields

CLOTHING: As required to prevent prolonged exposure to skin.

#### Personnel Sampling Procedure:

N/A

#### PPE Symbols Displayed:



## Section 9: Physical and Chemical Properties

	Chemical Properties
<b>Appearance (physical state, color, etc.):</b>	White powder
<b>Odor:</b>	No odor
<b>Odor threshold:</b>	N/AV
<b>pH:</b>	N/AV
<b>Melting point/freezing point:</b>	N/AV
<b>Initial boiling point and boiling range:</b>	N/AV
<b>Flash point:</b>	N/A
<b>Evaporation rate:</b>	N/A
<b>Flammability (solid, gas):</b>	Will not burn.
<b>Upper/lower flammability or explosive limits:</b>	N/A
<b>Vapor pressure:</b>	N/A
<b>Vapor density:</b>	N/A
<b>Relative density:</b>	N/AV
<b>Solubility(ies):</b>	>50% in water
<b>Partition coefficient: n-octanol/water:</b>	N/A
<b>Auto ignition temperature:</b>	N/A
<b>Decomposition temperature:</b>	N/AV
<b>Viscosity:</b>	N/A
<b>Other Relevant Properties:</b>	N/A

## Section 10: Stability and Reactivity

<b>Stability:</b> Stable	<b>Avoid:</b> N/A
<b>Reactivity:</b> Stable	<b>Avoid:</b> N/A
<b>Other:</b> N/A	
<b>Incompatibility:</b> Acids will produce CO <sub>2</sub> gas and possibly HF gas.	
<b>Hazardous Decomposition of By-products</b> CO, CO <sub>2</sub> , fumes of Na <sub>2</sub> O, K <sub>2</sub> O and chlorides, NO <sub>x</sub> , fluorides possible.	
<b>Polymerization:</b> Will not occur.	<b>Avoid:</b> N/A

**Section 11: Toxicological Information**

Chemical Name	% Wt.	LD50	LC50	Route of Exposure:	Short / Long Term Exposure Effects:	Known Carcinogen:
Sodium Silico Fluoride	7-13	125 mg/Kg - oral rat	N/A	Ingestion	N/AV	No
Sodium Nitrate	5-10	1267 mg/Kg - oral rat	N/A	Ingestion	N/AV	No
Sodium Carbonate	3-7	4090 mg/Kg - oral rat	N/A	Ingestion	N/AV	No
Sodium Chloride	30-60	3000 mg/Kg - oral rat	N/A	Ingestion	N/AV	No
Potassium Chloride	15-40	2600 mg/Kg - oral rat	N/A	Ingestion	N/AV	No

**Other Studies:**

COVERAL 100 Acute Toxicity Estimate = 760 mg/kg

**Section 12: Ecological Information**

**Ecotoxicity:**

N/AV

**Environmental Fate:**

N/AV

**Section 13: Disposal Considerations**

Dispose of in accordance with local, state and federal regulations.

**Section 14: Transport Information**

**International**

N/A

**United States**

N/A

**Canada**

SHIPPING NAME: N/A

P.I.N/UN: N/A

PRIMARY CLASS: N/A

SUBSIDIARY CLASS: N/A

PACKING GROUP: N/A

**European Community**

N/A

## Section 15: Regulatory Information

### US Federal Regulations

<p><b>TSCA</b> All components of this product are included on the EPA TSCA Chemical Substance Inventory.</p>
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### SARA 311 and 312 Hazard Categories:

<b>Immediate (Acute) Health Hazard:</b>	Yes
<b>Delayed (Chronic) Health Hazard:</b>	Yes
<b>Fire Hazard:</b>	No
<b>Reactivity:</b>	No
<b>Sudden Release of Pressure:</b>	No

<p><b>SARA Section 313 Notification:</b> This product contains no toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372, based upon our knowledge of the raw materials comprising this product.</p>
<p><b>Ozone Depleting Substances:</b> N/A</p>
<p><b>Volatile Organic Compounds (VOC):</b> N/A</p>
<p><b>US State Regulation:</b> N/A</p>
<p><b>Canadian Regulation:</b> Canadian Environmental Protection Act (CEPA) - All substances in this product are listed, as required, on the Domestic Substance List (DSL). <b>WHMIS CLASSIFICATION: D 1B: TOXIC MATERIAL</b> This Product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.</p>
<p><b>European Regulation:</b> N/A</p>
<p><b>Other Regulation:</b> N/A</p>
<p><b>MITI:</b> N/A</p>

<p>N/A is Not Applicable N/K is Not Known N/AV is Not Available</p>
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## Section 16: Other Information

### Document Revision History:

<p><b>Revision:</b> 8</p>	<p><b>Date Created:</b> 05/02/2000 <b>Date of Last Revision:</b> 03/16/2015</p>	<p><b>Last Approval Date:</b> 03/16/2015</p>
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## SDS for COVERAL® 100

### **SDS Status:**

Revised Sections 2, 3, 8, 9, 10, 11

CANADIAN LABEL CODES: C008, D101, D1, CAUTION: R021, R084, P033, P160, P172, P146, FIRST AID: F003, F044, F045, F046

### **Disclaimer**

Information contained within this safety data sheet is based on the current state of knowledge and relates to such products, their intended usage and the required safety precautions. Although every effort has been made to ensure that this information is correct and gives adequate safety margins in line with current knowledge, it does not constitute a specification and no information for other purposes, particularly information regarding properties of the delivered materials, may be inferred. Determination of the technical suitability of each material and complying with any guidance relating to safe usage remain the sole responsibility of the user. Consequently, beyond any separately agreed contractual arrangements, the aforementioned manufacturer and its subsidiaries exclude any and all liability resulting from the use of the product. Unknown hazards may be inherent in all materials; therefore these materials shall be treated with caution. Although certain hazards are described herein, we are unable to guarantee that these are the only hazards.

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