

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL DAY OR NIGHT 1-800-561-8273 or CHEMTREC – DAY OR NIGHT 1 800-424-9300**

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

- 1.1 **PRODUCT IDENTIFIER:**  
**TRADE NAME:** SUPRA CAPTAN 80 WSP
- 1.2 **RECOMMENDED USE:** GROUP M FUNGICIDE
- 1.3 **DISTRIBUTED BY:**  
 LOVELAND PRODUCTS CANADA, INC.  
 789 DONNYBROOK DRIVE • DORCHESTER, ONTARIO N0L 1G5
- 1.4 **24 Hour Emergency Phone: (Chemtrec):** 1-800-424-9300 (Toll Free) - **Additional Emergency Phone** 1-800-561-8273  
**Loveland Technical Service:** 1-800-328-4678  
**U.S. Coast Guard National Response Center:** 1-800-424-8802

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Acute toxicity – Dermal	Category 4	H312
Acute toxicity – Inhalation (Dusts/Mists)	Category 3	H331
Serious eye damage/eye irritation	Category 1	H318
Skin sensitization	Category 1	H317

**2.2 Label elements**



Signal word: DANGER  
 Hazard Statement: H312 – Harmful in contact with skin.  
 H317 – May cause an allergic skin reaction.  
 H318 – Causes serious eye damage.  
 H331 – Toxic if inhaled.

Precautionary Statement: P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
 (Prevention): P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 – Use only outdoors or in a well-ventilated area.  
 P272 – Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statement: P302+P352 – IF ON SKIN: Wash with plenty of soap and water.  
 (Response): P304+P340: IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338 – IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 – Immediately call a POISON CENTRE or doctor/physician.  
 P311 – Call a POISON CENTRE or doctor/physician if you feel unwell.  
 P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.  
 P363 – Wash contaminated clothing before reuse.

Precautionary Statement: P403+P233 – Store in a well-ventilated place. Keep container tightly closed.  
 (Storage):

Precautionary Statement: P501 – Dispose of contents/container to an approved waste disposal to an approved waste disposal facility.  
 (Disposal):



## SAFETY DATA SHEET

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### 2.3 Other hazards

Contains the allergen sulfites.

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## 3. COMPOSITION, INFORMATION ON INGREDIENTS

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### 3.1 Substances

### 3.2 Mixtures

Chemical Name:	CAS No.	Concentration [%]
Captan	133-06-2	80.00

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## 4. FIRST AID MEASURES

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### 4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

<b>If in eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
<b>If inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control centre or doctor for further treatment advice.
<b>If swallowed:</b>	Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control centre or doctor. Do not give anything by mouth to an unconscious person.
<b>If on skin or clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

### 4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: May cause irritation to the respiratory tract.

### 4.3 Immediate Medical Attention and Special Treatment

Treatment: Treat symptomatically.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273**

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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## 5. FIRE FIGHTING MEASURES

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### 5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use medium appropriate to surrounding fire. Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, soft stream or water fog only if necessary.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: In the event of fire and/or explosion do not breathe fumes. May cause skin sensitization in susceptible persons. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

### 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



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**6. ACCIDENTAL RELEASE MEASURES**

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Personal Precautions: Avoid inhalation of vapours and spray mist and contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer systems. See section 12 for further ecological information.

**6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP**

Methods for Clean-Up: Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and to keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away any traces with water. Take precautionary measures against static discharges.

**7. HANDLING AND STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING:**

Advice on Safe Handling: Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/mist vapours/spray. Use with local exhaust ventilation.

**7.2 CONDITIONS FOR SAFE STORAGE:**

Requirements for Storage Areas and Containers: Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. Keep in properly labeled containers. Do not contaminate water, food, or feed by storage or disposal.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS:**

**OCCUPATIONAL EXPOSURE LIMITS**

**U.S. Workplace Exposure Level (ACGIH) TLVs**

Components	Type	Value
Captan	TLV	5 mg/m <sup>3</sup> (1) SEN

**U.S. Workplace Exposure Level (OSHA) PELs**

Components	Type	Value
Not listed	TWA	

**Biological limit values**

**ACGIH Biological Exposure Indices**

Components	Value	Specimen
No listings		

**8.2 EXPOSURE CONTROLS:**

**Engineering Measures**

Showers. Eyewash stations. Ventilation systems.

**Individual Protection Measures:**

Eye / Face Protection: Goggles or shielded safety glasses are recommended. Face protection shield.

Skin Protection: Long-sleeved shirt and long pants. Shoes plus socks. Chemical-resistant gloves. Chemical-resistant apron, as appropriate to prevent skin contact.

Respiratory Protection: Dependent on job function. If vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved air-purifying respirator with any cartridges/filters approved for pesticides. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection Standard. Wear a supplied air respirator if exposure concentrations are unknown.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 APPEARANCE:** Solid powder.  
**ODOUR:** Pungent, organic odour.  
**ODOUR THRESHOLD:** No data available.  
**COLOUR:** Off- white to tan-coloured.  
**pH:** 5.5  
**MELTING POINT / FREEZING POINT:** No data available  
**BOILING POINT:** No data available  
**FLASH POINT:** No data available  
**FLAMMABILITY (solid, gas):** No data available.  
**UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:** No data available.  
**VAPOUR PRESSURE:** No data available  
**SOLUBILITY:** Dispersible.  
**PARTITION CO-EFFICIENT, n-OCTANOL / WATER:** No data available.  
**AUTO-IGNITION TEMPERATURE:** No data available.  
**DECOMPOSITION TEMPERATURE:** No data available.  
**VISCOSITY:** No data available.  
**SPECIFIC GRAVITY (Water = 1):** 0.562 g/ml  
**DENSITY:** 562 kg/m<sup>3</sup>

Note: These physical data are typical values based on material tested but may vary from sample to sample.  
 Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

**10. STABILITY AND REACTIVITY**

- 10.1 REACTIVITY**  
 Stable  
**10.2 CHEMICAL STABILITY**  
 Stable under normal temperature conditions  
**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**  
 None under normal processing. Will not polymerize.  
**10.4 CONDITIONS TO AVOID**  
 Moisture.  
**10.5 INCOMPATIBLE MATERIALS**  
 Alkaline materials. Acidic materials.  
**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**  
 Hydrogen chloride. Oxides of carbon. Oxides of nitrogen (NO<sub>x</sub>). Hydrogen cyanide.

**11 TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

Eye Contact: **Causes serious eye damage.**  
 Skin Contact: **May cause an allergic skin reaction.**  
 Inhalation: **Harmful if inhaled.**  
 Ingestion: **Do not ingest.**

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Captan 133-06-2	= 3573 mg/kg ( Rat ) = 9 g/kg ( Rat )	> 5 g/kg ( Rat ) > 5000 mg/kg ( Rat )	= 0.72 mg/L ( Rat ) 4 h

Information on physical, chemical and toxicological effects

Symptoms: **Please see section 4 of this SDS for symptoms.**

Chemical Name	ACGIH	IARC	NTP	OSHA
Captan 133-06-2	A3	Group 3		

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity: **Suspected of causing cancer.**



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### Numerical measures of toxicity

Acute Oral LD50 (Rat): >2,000 mg/kg

Acute Dermal LD50 (Rabbit): >2,000 mg/kg

Inhalation LC50 (Rat): 1.16 mg/L (4-hr)

Eye Irritation: **Causes serious eye damage.**

Dermal Irritation: **Non-irritating.**

Dermal Sensitization: **Skin sensitizer.**

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## 12 ECOLOGICAL INFORMATION

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### 12.3 ECOTOXICITY

The product is toxic to fish and aquatic invertebrates. See section 6 for other information.

#### Ecotoxicological Data

	Species	Test Results
Captan	Rainbow trout	0.3 mg/L – 96-hour LC <sub>50</sub>
	Fathead minnow	0.168 – 0.238 mg/L – 96-hour LC <sub>50</sub>
	Bluegill	0.16 mg/L – 96-hour LC <sub>50</sub>
	Daphnia magna	9.9 mg/L – 48-hour EC <sub>50</sub>

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area.

### 12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available.

### 12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

### 12.4 MOBILITY IN SOIL

No data available.

### 12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

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## 13 DISPOSAL CONSIDERATIONS

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### 13.1 WASTE TREATMENT METHODS

Do not reuse containers for any purpose. Completely empty bag into application equipment. Container is to be disposed of at a container collection site. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food, or feed by storage or disposal.

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## 14 TRANSPORT INFORMATION

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### 14.3 LAND TRANSPORT

#### TDG

UN/ID no	UN3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (CAPTAN)
Hazard Class	9
Packing Group	III
Special Provisions	16, 99
Emergency Response Guide Number	171

#### Notes:

1) A marine pollutant based on Section 2.7 of TDG Regulations

2) Certain exemptions from TDG Regulations requirements may apply for land transport as stated in Section 1.45.1 and Special Provision 99 of Regulations.



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**DOT**  
 UN/ID no UN3077  
 Proper shipping name Environmentally hazardous substance, solid, n.o.s. (CAPTAN)  
 Hazard Class 9  
 Packing Group III  
 Special Provisions 8,146, 335, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33  
 Emergency Response Guide Number 171  
 U.S. Surface Freight Classification: INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120, CLASS: 77.5)

**15 REGULATORY INFORMATION**

**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS**

NFPA & HMIS Hazard Ratings:	NFPA		HMIS
	2 Health	0 Least	2 Health
	0 Flammability	1 Slight	0 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	X PPE
		4 Severe	

SARA Hazard Notification/Reporting  
 SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N  
 Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Captan (CAS: 133-06-2) 10 pounds.  
 SARA, Title III, Section 313: Captan (CAS: 133-06-2) 80.0%  
 RCRA Waste Code: Not listed.  
 CA Proposition 65: Not applicable.  
 WHMIS [Canada]: Pest control products are not controlled under WHMIS. Classified D2B

**16 OTHER INFORMATION**

SDS STATUS: Section 14 revised.  
 PREPARED BY: Product Stewardship and Regulatory Affairs REVIEWED BY: Safety, Health and Environment  
**Pest Control Products Act REG. NO.: 24613**

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