

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 M4 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 – Inhalation (Dusts/Mists)	Category 4	H332
Serious eye damage/eye irritation	Category 1	H318
Skin sensitization	Category 1	H317
Carcinogenicity	Category 2	H351

2.2 Label elements



Signal word: DANGER
 Hazard Statement: H332 – Harmful if inhaled.
 H317 – May cause an allergic skin reaction.
 H318 – Causes serious eye damage.
 H351 – Suspected of causing cancer.

Precautionary Statement: P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
 (Prevention): P271 – Use only outdoors or in a well-ventilated area.
 P272 – Contaminated work clothing should not be allowed out of the workplace
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.
 P264 – Wash thoroughly after handling.
 P201 – Obtain special instructions before use.
 P202 – Do not handle until all safety precautions have been read and understood.

Precautionary Statement: P304+P340: IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
 (Response): P311 – Call a POISON CENTRE or doctor/physician if you feel unwell.
 P308+P313 – If exposed or concerned: Get medical advice/attention.
 P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 – Immediately call a POISON CENTRE or doctor/physician.
 P302+P352 – If on skin: Wash with plenty of water and soap.
 P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
 P321 – Specific treatment (see First Aid on the label).
 P363 – Wash contaminated clothing before reuse.

Precautionary Statement: P405 – Store locked up.
 (Storage): P403+P233 – Store in a well-ventilated place. Keep container tightly closed.



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Precautionary
Statement:
(Disposal)

P501 – Dispose of contents/container to an approved waste disposal to an approved waste disposal facility.

2.3 Other hazards

Contains the allergen sulfites. Very toxic to aquatic life with long lasting effects.

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

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

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

If in eyes:	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.
If on skin or clothing:	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.
If inhaled:	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.
If swallowed:	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.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: Harmful if inhaled. Causes serious eye damage. May cause an allergic skin reaction.

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: Treat symptomatically.



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5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use medium appropriate to surrounding fire. Foam, carbon dioxide (CO₂), 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.

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	TWA	5 mg/m ³ (1) SEN

U.S. Workplace Exposure Level (OSHA) PELs

Components	Type	Value
Captan	TWA	(vacated)

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Specimen
No listings		

8.2 EXPOSURE CONTROLS:

Engineering Measures

Refer to the product label. Use only with adequate ventilation. 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 vapours 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 granules.
 ODOUR: Slight, characteristic odour.
 ODOUR THRESHOLD: No data available.
 COLOUR: Off- white to tan-coloured.
 pH: No data available.
 MELTING POINT / FREEZING POINT: 173 – 175 °C
 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: 4.2 x 10⁻⁹
 SOLUBILITY: Dispersible.
 PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available.
 AUTO-IGNITION TEMPERATURE: >181 °C.
 DECOMPOSITION TEMPERATURE: No data available.
 VISCOSITY: No data available.
 SPECIFIC GRAVITY (Water = 1): 1.70 g/ml
 DENSITY: 1700 kg/m³

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. May decompose if heated.
 10.4 CONDITIONS TO AVOID
 Excessive heat. Avoid moisture. Contact with incompatible materials.
 10.5 INCOMPATIBLE MATERIALS
 Alkaline materials. Acidic materials.
 10.6 HAZARDOUS DECOMPOSITION PRODUCTS
 Hydrogen chloride. Oxides of carbon. Oxides of nitrogen (NO_x). Hydrogen cyanide.

11 TOXICOLOGICAL INFORMATION

11.3 LIKELY ROUTES OF EXPOSURE
 Eye contact. Skin absorption. Skin contact. Inhalation.
 LC₅₀ (rat): 0.72 mg/L (4 HR)
 LD₅₀ Oral (rat): 3573 mg/kg
 LD₅₀ Dermal (rabbit): > 5,000 mg/kg
 Acute Toxicity Estimates: No data available
 Skin Irritation (rabbit): Moderately irritating.
 Eye Irritation (rabbit): Category 1.
 Specific Target Organ Toxicity: Skin, Central Nervous System, Liver, Kidneys.
 Aspiration: No data available.
 Skin Sensitization (guinea pig): Sensitizer (Category 1).
 Carcinogenicity: ACGIH TLV-A3 (Animal Carcinogen) | IARC Group 3 (Not classifiable as a human carcinogen).
 Germ Cell Mutagenicity: No data available.
 Interactive Effects: None known



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12 ECOLOGICAL INFORMATION

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 ₅₀
	Fathead minnow	0.168 – 0.238 mg/L – 96-hour LC ₅₀
	Bluegill	0.16 mg/L – 96-hour LC ₅₀
	Daphnia magna	9.9 mg/L – 48-hour EC ₅₀

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.

13 DISPOSAL CONSIDERATIONS

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.

14 TRANSPORT INFORMATION

14.3 LAND TRANSPORT

TDG Shipping Description: UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (CAPTAN) 9, ERG GUIDE 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

3 Health	0 Least	3 Health
1 Flammability	1 Slight	1 Flammability
1 Instability	2 Moderate	1 Reactivity
	3 High	X PPE
	4 Severe	

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:

Immediate

Y
N

Fire
Reactive

N
N

Sudden Release of Pressure

N



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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

Read the approved label, authorized under the Pest Control Products Act, prior to handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labeling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control product label.

DANGER

CORROSIVE TO EYES

16 OTHER INFORMATION

SDS STATUS: New.

PREPARED BY: Product Stewardship and Regulatory Affairs

REVIEWED BY: Safety, Health and Environment

Pest Control Products Act REG. NO.: 33641

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