

MATERIAL SAFETY DATA SHEET

Product and company identification

Product name : Mn-cpx 3 Catalog number : sc-221951

: Santa Cruz Biotechnology, Inc. Supplier 2145 Delaware Avenue

Santa Cruz, California 95060 800.457.3801 or 831.457.3800

Chemical formula C30H20Cl2MnO6 **Emergency**

ChemWatch Within the US & Canada: 877-715-9305 Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. Composition / information on ingredients

Substance/Preparation : Substance

Chemical name*	CAS No.	EC Number	Symbol	R-Phrases
Mn-cpx 3	-	Not available.	Xn	R22

Hazards identification 3.

Physical/chemical hazards : Not applicable. **Human health hazards**

MAY BE HARMFUL IF SWALLOWED.

4. First-aid measures

First-Aid measures

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

> Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention

Effects and symptoms

Eve Contact

Ingestion : Hazardous in case of ingestion.

Aggravating conditions Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

Flammability of the Product

: May be combustible at high temperature.

Extinguishing Media

Suitable : SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Hazardous thermal (de)composition

These products are carbon oxides (CO, CO2), halogenated compounds, hydrogen chloride. Some metallic oxides.

Special fire-fighting procedures

: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters : Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

Personal precautions : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Small Spill and Leak . Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak . Use a shovel to put the material into a convenient waste disposal container.

7. Handling and storage

Handling : Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective

clothing. If ingested, seek medical advice immediately and show the container or the label.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 4°C (39.2°F).

Packaging materials

Recommended use : Use original container.

8. Exposure controls/personal protection

Engineering measures : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne

contaminants below the exposure limit.

Hygiene measures : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at

the end of day

<u>Ingredient Name</u> <u>Occupational Exposure Limits</u>

Mn-cpx 3 Not available.

Personal protective equipment

Skin and body : Lab coat.

Eyes : Safety glasses.

Protective Clothing (Pictograms):



9. Physical and chemical properties

Physical state : Solid.

Molecular Weight : 602.3

Solubility : Not available.

Flash point : Not available.

Explosive properties: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

10. Stability and reactivity

Stability : The product is stable.

Conditions to avoid : Not available.

Hazardous Decomposition Products : These products are carbon oxides (CO, CO2), halogenated compounds, hydrogen chloride. Some metallic oxides.

11. Toxicological information

RTECS # : Not available.

Local effects

Skin irritation : Not available

Acute toxicity : LD50: Not available.

LC50: Not available.

Chronic toxicity : Repeated or prolonged exposure is not known to aggravate medical condition.

Other Toxic Effects on Humans : Not a

Hazardous in case of ingestion.

Not available.

To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated

Carcinogenic effects : Not available. **Mutagenic effects** : Not available Reproduction toxicity : Not available Teratogenic effects : Not available.

Ecological information 12.

Ecotoxicity : Not available

Toxicity of the Products of The products of degradation are as toxic as the product itself.

Biodegradation

13. Disposal considerations

Contaminated packaging

Methods of disposal; Waste of residues; : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Transport information

International transport regulations

Land - Road/Railway

ADR/RID Class : Not controlled under ADR (Europe).

Sea

IMDG Class : Not controlled under IMDG.

Air

IATA-DGR Class : Not controlled under IATA.

Special Provisions for Not applicable.

Transport

15. Regulatory information

EU Regulations

Hazard symbol(s)

Classification

Risk Phrases R22- Harmful if swallowed

Safety Phrases S24/25- Avoid contact with skin and eves.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

Contains

U.S. Federal Regulations : TSCA: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

HCS Classification Not controlled under the HCS (United States).

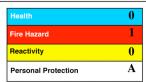
State Regulations

WHMIS (Canada) Not controlled under WHMIS (Canada).

No products were found

16. Other information

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)

