



MATERIAL SAFETY DATA SHEET

Cal-Treat 233

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.
Address: 2008 Altom Court, St. Louis, MO 63146-4151
Product Name: Cal-Treat 233
Synonyms: Aqueous Cooling Tower Treatment

Tel No: (314) 469-7000, (800) 554-5499
CHEMTREC: (800) 424-9300
Product Number: 4149

II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
# Zinc Nitrate	7779-88-6	<5	N/A	N/A
Sodium Molybdate	7631-95-0	<5	5mg/m3	5mg/m3

Ingredient subject to reporting under Section 313 of Title III (SARA) and 40 CFR 372.

All ingredients are TSCA listed.

III - PHYSICAL DATA

Vapor Pressure: mm Hg: N/A
Evaporation Rate: (ether=1) N/A
Solubility in H₂O: Complete
Freezing Point °F: @20°
Boiling Point °F: 212 @14.7 psig
Specific Gravity H₂O=1 @25° C: 1.095

Vapor Density (Air=1) 60-90° F: N/A
VOC Content (% by wt.): 87% @105°C/2 hrs
pH @ Solution: N/A
pH as Distributed: 7.0
Appearance: Slightly hazy straw liquid.
Odor: Bitter

IV - FIRE AND EXPLOSION

Flash Point F: None to boil **Flammable Limits:** N/A
Extinguishing Media: Use media suitable for surrounding fire.
Special Fire Fighting Procedures: None.
Unusual Fire and Explosion Hazards: Freshly formed zinc oxide fumes (as from a fire) may cause metal fume fever, a temporary condition with chills, fever, tightness in chest, cough and leukocytes. Contains nitrites - dry powder may explode when exposed to heat or flame.

V - REACTIVITY DATA

Stability - Conditions to avoid: None known. Do not allow evaporation to dryness.
Incompatibility: None known.
Hazardous Decomposition Products: Forced ignition of dried residues may produce CO, CO₂, phosphorus OX1.
Conditions Contributing to Hazardous Polymerizations: Will not occur.

VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),
A. ACUTE (Primary Route of Exposure) EYES: Causes irritation. **SKIN:** May cause irritation.
INGESTION: Overexposure causes upset to stomach. **INHALATION:** Inhalation of metal oxide fumes, formed when product is heated to decomposition, can result in metal fume fever, a temporary condition with chills, fever, tightness in chest, cough and leukocytes.
B. SUBCHRONIC, CHRONIC, OTHER: None known.
C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air and contact physician.

EYES: In case of eye contact, flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Wash thoroughly with soap and water.

INGESTION: Give large amounts of water.

VIII - SPILL OR LEAK PROCEDURE

Spill Management: Do not allow liquid to evaporate. Small spills may be mopped up or flushed to drain with water.

Waste Disposal Methods: Contact an authorized scavenger service.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: Not required

Eye Protection: Safety glasses or goggles **Glove:** Rubber Gloves

Other Clothing and Equipment: Protective apron.

Ventilation: Normal.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : If frozen, thaw to room temperature and mix thoroughly. (Roll drum) For industrial and institutional use only.

Additional Information: Read and observe all label precautions.

NFPA

Health Hazard.....: 1

Fire Hazard.....: 0

Reactivity.....: 0

Specific Hazard ...:

HMIS RATING

Health Hazard.....: 1

Fire Hazard.....: 0

Reactivity.....: 0

Personal Protection ...: X (Sec. 9)

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