

MATERIAL SAFETY DATA SHEET
Chromium(III) nitrate

Section 1 - Chemical Product and Company Identification

MSDS Name: Chromium(III) nitrate
Catalog Numbers: 014826
Synonyms:

Company Identification: **SISCO RESEARCH LABORATORIES PVT. LTD.**
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Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
87-72-9	L-Arabinose extrapure	99+%	201-767-6

Section 3 - Hazards Identification

EMERGENCY OVERVIEW Not available

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin irritation.
May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract.
May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation.
May be harmful if inhaled.
Chronic:

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas.
Avoid contact with skin and eyes.
Avoid ingestion and inhalation.

Storage: Store in a cool, dry place.
Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 87-72-9:

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder

Color: white - fine

Boiling Point: Not available
Solubility in water: Soluble
Molecular Formula: C₅H₁₀O₅
Molecular Weight: 150.13

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products : Carbon monoxide, carbon dioxide.
Hazardous Polymerization : Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 87-72-9: None listed
LD50/LC50: RTECS: Not available.
Carcinogenicity: L(+)-Arabinose - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity: Fish: Fathead Minnow: LC50 = 37700 mg/L; 96H; flow-through

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

Group:	Hazard Class:	UN Number:	Packing
IATA	Not regulated.	Not regulated.	Not regulated.
IMO	Not regulated.	Not regulated.	Not regulated
RID/ADR	Not regulated.	Not regulated.	Not regulated
Shipping Name:			

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 87-72-9: Not available

Canada

CAS# 87-72-9 is listed on Canada's NDSL List

US Federal

TSCA

CAS# 87-72-9 is listed on the TSCA Inventory.

16 - Additional Information

SISCO RESEARCH LABORATORIES provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

