

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **CHROMIUM III TRIFLUOROPENTANEDIONATE - AKC218**

CHEMICAL NAME: CHROMIUM III TRIFLUOROPENTANEDIONATE

SYNONYMS: CHROMIC TRIFLUOROACETYLACETONATE; CHROMIUM TFAC

CHEMICAL FAMILY: CHROMIUM COMPOUND

FORMULA: C₁₅H₁₂F₉O₆Cr

HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
CHROMIUM III TRIFLUOROPENTANEDIONATE	14592-89-3	>95%	not established (OSHA PEL for chromium: 0.5mg(Cr)/m ³)

PHYSICAL DATA

Boiling Point: not determined	Melting Point: (150-2°C)
Specific Gravity: not determined	Vapor Pressure, 100°: 0.001mm
Vapor Density: NA	Solubility in water: insoluble
% volatiles: <2	Evaporation rate: NA
Molecular Weight: 511.24	Other: NA
Appearance & Color: red-violet crystalline powder	

FIRE & EXPLOSION DATA

Flash Point, COC: >200°C (>392°F) Autoignition Temp.:not determined
Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(AKC218)

ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of dust or particulates may irritate the respiratory tract.

Oral Toxicity: not determined
Chronic Toxicity: not determined

SUGGESTED FIRST AID

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

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable

Conditions to avoid: Store away from oxidizers.

Hazardous decomposition products: Organic acid vapors and chromium oxide fumes.

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds PEL, NIOSH approved dust and mist respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers.

Keep workplace clean, prevent product dusting.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI
DOT HAZARD CLASS: NOT REGULATED
DOT LABEL: NOT REQUIRED
DOT ID No: NOT REQUIRED

Prepared by safety and environmental affairs

AKC218 ISSUE DATE 10/2/02

SUPERSEDES: 8/22/97

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