

HEBEI CHROMATE CHEMICAL CO., LTD.

MATERIAL SAFETY DATA SHEET

PRODUCT: CHROMIC ACID, FLAKE

CAS #: 1333-82-0

MSDS No.: HCC 02 --- Effective Date: 10/01/00

SECTION 1: PRODUCT IDENTIFICATION:

Trade Name/ Chemical Name: Chromic Acid, Flake.

Synonyms: Chromium Trioxide, Anhydrous; Chromium Trioxide; Chromic Trioxide; Chromic Anhydride; Chromium(VI) Oxide;

Chemical Formula: CrO₃.

Molecular Weight: 99.99

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>%</u>	<u>(ACGIH) T.L.V.</u>	<u>(OSHA) PEL</u>	<u>CAS #</u>	<u>Rout, Species: Rat, Oral</u>
Chromic Acid	>99	0.05mg/m ³	0.1mg/m ³	1333-82-0	52mg/m ³ .

SECTION 3 : PHYSICAL PROPERTIES.

Appearance & Odor : Solid dark red flakes, no odor.

Specific Gravity: 2.70~2.80 Melting point: 197 Deg C (387F) Freezing point: 170~172 Deg C

PH: 0.2-2

Solubility in Water(%W/W): Appreciable- 63% at 20 Deg C (68F).

SECTION 4: FIRE & EXPLOSION HAZARD DATA.

Flammable Limits (% by vol. In air): None. Flash Point & Method: Not applicable.

Would any material saturated with this product be subject to spontaneous combustion? No.

Fire Extinguishing Media: This product is not combustible. Water , fog, dry chemical or carbon dioxide may be used in areas where product is stored.

Fire Fighting Procedures: Self-contained breathing apparatus should be worn by fire fighter in areas where this product is stored.

Unusual Fire and Explosion Hazards: Under fire conditions, decomposition may form hot, viscous foam, Is an oxidizer. Avoid contact with organic material.

SECTION 5. REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Under normal use conditions this product is stable. This product is hygroscopic. Do not store in humid places.

Hazardous Decomposition Products: Organic materials, oils, grease or any easily oxidizable material.

Hazardous Polymerization: Will not occur.

SECTION 6 HEALTH HAZARD DATA.

Route of Entry – Inhalation: Yes.
Carcinogenicity: Yes.

Route Of Entry-Skin: Yes.
IARC : Yes.

Route Of Entry-Ingestion: Yes.
OSHA: No. NTP: Yes.

Health Hazard – Acute:

Cause severe irritation to eyes. May cause deep penetrating ulcers on skin, severe irritation of respiratory tract and nasal septum and possible perforation.

Health Hazard – Chronic:

It is reported that long-term exposure increases the chance of respiratory-tract cancer in humans.

Sings, Symptoms and Effects of Exposure:

May cause blindness . Ingestion may result in kidney failure and death.

Emergency and First Aid Procedures:

Eye-Immediately flush eyes with lots of running water for 15 minutes while holding eyelids open. Get immediate medical attention.

Skin-Wash skin with lots of soap and water. Remove contaminated clothing and shoes, wash before reuse. Get medical attention.

Inhalation - Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion - Do not induce vomiting. If conscious give large amounts of water. Get immediate medical attention.

SECTION 7. SPECIAL PROTECTION INFORMATION.

Ventilation Requirements: Exhaust ventilation or other controls where dust may be generated.

Respiratory Protection: Use a NIOSH/MSHA approved respirator following manufacturer’ s recommendations where dust, fumes or vapors may be generated.

Eye Protection: Face shield/goggles/chemical goggles.

Protective Gloves: Industrial grade, rubber or plastic.

Protective Clothing: Protective clothing should be worn and changed at least daily.

Other Protective Equipment: An eyewash and safety shower should be nearby and ready for use.

SECTION 8. SPECIAL REQUIREMENTS.

Precautions-Handling/Storing: Do not store in close proximity to combustible materials. Store in tightly-closed containers away from sources of heat. Don’t re-use containers. Product residue may remain in containers.

SECTION 9. SPILL OR LEAK PROCEDURE

Steps to be taken in even of spill or release : Stop leak, Remove as much of the spill as possible (vacuum truck). Treat the spill area with a reducing agent and neutralize with a weak base. Soak up with inert absorbent material (sand), place in a closed, labeled container and store in a safe place.

Neutralizing Agent: Sodium Bicarbonate, Soda Ash or Lime.

Waste disposal Method: Dispose of via an approved chemical waste landfill. Dispose of in accordance with federal, provincial and local health pollution requirements.

SECTION 10. TRASPORTAT INFORMATION:

International (Water, I.M.O.)

Proper Shipping Name: CHROMIC ACID, SOLID

Hazard Class: 5.1, 8

UN/NA: UN1463

Packing Group: II

Information reported for product/size: 50kg

Diamond Label: OXIDIZER, CORROSIVE

Domestic (Land, D.O.T.)

Proper Shipping Name: CHROMIC ACID, SOLID

Hazard Class: 5.1, 8

UN/NA: UN1463

Packing Group: II

Information reported for product/size: 50kg

Diamond Label: OXIDIZER, CORROSIVE

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