



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Sodium Dichromate Dihydrate**

PRODUCT NUMBER: 3264

CAS NUMBER: 7789-12-0

MANUFACTURER:

Prochem, Inc.
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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H272	May intensify fire; oxidizer.
H301	Toxic if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340	May cause genetic defects.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H372	Causes damage to the lung, the liver, the digestive system and the blood through prolonged or repeated exposure.

Precautionary Phrases

P221	Take any precaution to avoid mixing with combustibles.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

HMIS CLASSIFICATION:

Health: 3 Fire: 1 Reactivity Hazard: 2

NFPA RATING:

Health: 3 Flammability: 1 Reactivity Hazard: 2

EYE CONTACT: Cause severe eye damage.

SKIN CONTACT: Harmful in contact with skin.

INHALATION: Fatal if inhaled.

INGESTION: Toxic if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{Cr}_2\text{Na}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$

Molecular Weight: 298.00

CHEMICAL NAME	CAS#	%
Sodium Dichromate Dihydrate	7789-12-0	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with plenty of water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove to fresh air and keep at rest. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases, seek immediate medical assistance.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: No data

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Carbon dioxide, extinguishing powder, or water spray. Fight large fires with water spray or alcohol resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. This substance is an oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Sodium oxides and chromium oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Use neutralizing agent. Sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store under dry inert gas. Hygroscopic. Protect from humidity and water.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity
Sodium Dichromate Dihydrate	0.5 mg/m ³	TWA	ACGIH
	1 mg/m ³	TWA	OSHA

TWA: Time Weighted Average over 8 hours of work.

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.

SKIN PROTECTION: Wear nitrile or rubber gloves, and a complete suit protecting against chemicals.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator.

ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Orange-red solid

ODOR: None

MOLECULAR WEIGHT: 298.00

BOILING POINT: 400° C (dec.)

MELTING POINT: 100° C

SPECIFIC GRAVITY: 2.348 gm/ml

SOLUBILITY: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Reacts with reducing agents and flammable substances

INCOMPATIBILITY: Acids, reducing agents, flammable substances, water, moisture, bases, organic materials, and metal powders.

DECOMPOSITION PRODUCTS: Sodium oxide and chromium oxide

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 oral – Rat – 50 mg/kg.

CARCINOGENIC EFFECTS: Carcinogenic to humans. Swallowing will lead to a strong corrosive effect on mouth and throat to the danger of perforation of esophagus and stomach.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

CHRONIC TOXICITY: Not available

RTECS: HX7750000

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

Very toxic to aquatic life

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

UN3087

Oxidizing solid, toxic, n.o.s.

(Sodium Dichromate Dihydrate)

Class 5.1 (6.1)

PG II

Marine Pollutant: No

SECTION 15 REGULATORY INFORMATION

TSCA: No data

SARA (TITLE 313): Sodium Dichromate Dihydrate

CALIFORNIA PROP. 65: Sodium Dichromate Dihydrate

SECTION 16 OTHER INFORMATION

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DATE PREPARED: 05/15

SDS DEPT.