SAFETY DATA SHEET

Date Printed: 03/29/2024
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SECTION 1. IDENTIFICATION

Product Identifier: (2N) 99% Chromium(II) Acetate Dihydrate

Product Code: CR2-AC-02-P.2HYD

CAS Number: 628-52-4

Relevant identified uses of the substance: Scientific research and development

Supplier details:

American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351
Emergency telephone number:
+1 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE
Not a dangerous substance or mixture according to GHS.
HMIS CLASSIFICATION:
Health: 0 Fire: 0 Reactivity Hazard: 0
NFPA RATING:
Health: 0 Flammability: 0 Reactivity Hazard: 0
EYE CONTACT: May cause immediate or delayed eye irritation.
SKIN CONTACT: May cause irritation.
INHALATION: May be irritating to the respiratory tract.
INGESTION: No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: Cr2(OOCCH3)4.? 2H2O
Molecular Weight: 376.20
CHEMICAL NAME / CAS#
Chromium (II) Acetate / 628-52-4

SECTION 4. FIRST AID MEASURES

EYE EXPOSURE: Flush eyes with plenty of water. Seek medical attention.
SKIN EXPOSURE: Immediately wash with plenty of soap and water. Seek medical attention.
INHALATION: Remove to fresh air and keep at rest. If not breathing, give artificial respiration. Get medical attention if necessary.
INGESTION: Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

SECTION 5. FIREFIGHTING MEASURES

FLASH POINT: >110°C
AUTO IGNITION TEMPERATURE: Not available
EXPLOSION LIMITS: Not available
EXTINGUISHING MEDIUM: Water spray, foam, carbon dioxide, and dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Chromium oxide and carbon oxides.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid the formation of dust. Avoid breathing vapors, mist, gas, or dust.
ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in suitable container for proper disposal.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Use with adequate ventilation. Avoid formation of dusts and aerosols. Handle under inert gas.
CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store under inert gas. Air and moisture sensitive.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS: Contains no substances with occupational exposure limit values.
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: Light red-brown powder
ODOR: None
MOLECULAR WEIGHT: 376.20
BOILING POINT: No data available
MELTING POINT: No data available
SPECIFIC GRAVITY: 1.79 gm/ml
SOLUBILITY: Insoluble

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Avoid air and moisture
INCOMPATIBILITY: Strong oxidizing agents.
DECOMPOSITION PRODUCTS: Chromium oxide and carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: LD50 Oral – Rat – 11,260mg/kg.
CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is considered to be a human carcinogen.
MUTAGENIC EFFECTS: Not available
TETRATOGENIC EFFECTS: Not available
CHRONIC TOXICITY: Not available
RTECS: AG3000000

SECTION 12. ECOLOGICAL INFORMATION

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

Not a dangerous good

SECTION 15. REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory
SARA 302/304: Not Listed
SARA 311/312: Not Listed
SARA (TITLE 313): Not Listed
CALIFORNIA PROP. 65: Not Listed
MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.
NEW JERSEY RIGHT TO KNOW COMPONENTS: Chromium(II) acetate hydrate
PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Chromium(II) acetate hydrate

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16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.