SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Copperchromite Catalyst: sc-255031

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Product Name: Copperchromite Catalyst

Catalog Number: sc-255031

Supplier:
Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Emergency:
ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA Exposure Limits:
COPPER CHROMITE CATALYST	12053-18-8	90 - 100%	0.5 mg/m³ TWA	1 mg/m³ TWA

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Harmful by inhalation, in contact with skin and if swallowed.

Category of Danger:
Harmful**.** Dangerous for the environment

Principle routes of exposure: Skin
Inhalation: Harmful by inhalation.
Ingestion: Harmful if swallowed.
Skin contact: Harmful in contact with skin.
Eye contact: Risk of serious damage to eyes**.**

Statements of hazard HARMFUL IF SWALLOWED. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR INHALED.
Statement of Spill or Leak - ANSI Label Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation: Move to fresh air. Call a physician immediately.
Skin contact: Rinse immediately with plenty of water and seek medical advice**.**
Ingestion: Do not induce vomiting without medical advice.
Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Protection of first-aiders: No information available
Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use media appropriate for the surrounding fire. Do not use carbon dioxide.

Specific hazards: Burning produces irritant fumes.

Unusual hazards: None known

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods: Water mist may be used to cool closed containers.

Flash point: Not determined

Autoignition temperature: Not determined

NFPA rating:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Environmental precautions: Prevent product from entering drains.

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Storage:

ROOM TEMPERATURE

Handling: Use only in area provided with appropriate exhaust ventilation.

Safe handling advice: Wear personal protective equipment.

Incompatible products: Oxidising and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: Pvc or other plastic material gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses with side-shields

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor odorless; available as lumps, granules, powder or high purity single crystals

Physical state: Solid

Formula: 2CuO•Cr2O3

Molecular weight: 311.08

Melting point/range:	1900 °C (3452 °F)
Boiling point/range:	2642 °C (4788 °F)
Density:	7.2 (water = 1)
Vapor pressure:	Practically zero at room temperature 1 mm Hg at 1616 °C
Evaporation rate:	No data available
Vapor density:	No data available
Solubility (in water):	Insoluble
Flash point:	Not determined
Autoignition temperature:	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	None under normal processing.
Hazardous decomposition products:	Chromium (Cr-)
Materials to avoid:	-

Water (Listed under Chromium, Soluble Chromic, Chromous Salts (as Cr)); Strong oxidizers (Listed under Chromium, Metal and Insoluble Salts)

Conditions to avoid: Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components	RTECS Number:	Selected LD50s and LC50s
COPPER CHROMITE CATALYST	Not Available	Not Determined

Chronic toxicity:	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
Local effects:	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Specific effects:	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
Primary irritation:	No data is available on the product itself.
Carcinogenic effects:	No data is available on the product itself.
Mutagenic effects:	No data is available on the product itself.
Reproductive toxicity:	No data is available on the product itself.

Components	NIOSH - Health Effects	NIOSH - Target Organs
COPPER CHROMITE CATALYST	Pulmonary effects	respiratory system, skin, eyes

12. ECOLOGICAL INFORMATION

Mobility:	No data available
Bioaccumulation:	No data available
Ecotoxicity effects:	No data available
Aquatic toxicity:	May cause long-term adverse effects in the aquatic environment.

Components	U.S. DOT - Appendix B - Marine Pollutan	U.S. DOT - Appendix B - Severe Marine Pollutants	United Kingdom - The Red List:
COPPER CHROMITE CATALYST	Not Listed	DOT regulated severe marine pollutant	Not Listed

Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
COPPER CHROMITE CATALYST	Not Listed	0.05 mg/L (Provisional)	LC50 (96 hr) fathead minnow:23 ug/L:20 mg CaCO3/L;LC50 (96 hr) rainbow trout:13.8 ug/L:juveniles;LC50 (96 hr) bluegill:236 - 892 ug/L:adults

Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
COPPER CHROMITE CATALYST	IC50 (72 hr) freshwater algae (Scenedesmus subspicatus):120 ug/L:	Not Listed	LC50 (96 hr) water flea:10 ug/L:Cond: 45 mg CaCO3/L;LC50 (96 hr) water flea:200 ug/L:Cond: 226 mg CaCO3/L

Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
COPPER CHROMITE CATALYST	Rank (of 275): 073	Not Listed	Maximum concentration = 13 ug/L; continuous concentration = 9.0 ug/L

Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants
COPPER CHROMITE CATALYST	Water and organisms = 1300 ug/L	Maximum concentration = 4.6 ug/L; continuous concentration = 3.1 ug/L

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging: Do not re-use empty containers

14. TRANSPORT INFORMATION

UN/Id No: 3077

DOT:

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
IATA Hazard Label(s): Miscellaneous
Hazard Class 9 -
Other miscellaneous materials
Packing group: III

Emergency Response Guide Number (ERG): 171

Components	U.S. DOT - Appendix A Table 1 - Reportable Quantities
COPPER CHROMITE CATALYST	RQ = 5000 pounds (2270 kg); The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches).

TDG (Canada):

WHMIS hazard class: D2a very toxic materials

:

IATA

Proper shipping name:	Environmentally hazardous substance, solid, n.o.s.
IATA Hazard Label(s):	Miscellaneous
Hazard Class	9 - Other miscellaneous materials
Packing group:	III

Emergency Response Guide Number (ERG): 171

Components	**U.S. DOT - Appendix A Table 1 - Reportable Quantities**
COPPER CHROMITE CATALYST	RQ = 5000 pounds (2270 kg); The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches).

IMDG/IMO

Proper shipping name:	Environmentally hazardous substance, solid, n.o.s.
IMDG - Hazard Classifications	Not Applicable

Components	**U.S. DOT - Appendix B - Marine Pollutan**	**U.S. DOT - Appendix B - Severe Marine Pollutants**
COPPER CHROMITE CATALYST	Not Listed	DOT regulated severe marine pollutant

IMO-labels:

15. REGULATORY INFORMATION

International Inventories

Components	
COPPER CHROMITE CATALYST	
Inventory - United States TSCA - Sect. 8(b)	Present
Canada DSL Inventory List -	Present
Australia (AICS):	Present
Inventory - China:	Present
EU EINECS List -	235-000-1; Cr2Cu2O5
Korean KECL:	KE-08911
Philippines PICCS:	Present

U.S. regulations:

Components	**California Proposition 65 -**	**Massachusetts Right to Know List:**	**New Jersey Right to Know List:**	**Pennsylvania Right to Know List:**
COPPER CHROMITE CATALYST	Not Listed	carcinogen; extraordinarily hazardous	sn 0432	environmental hazard; special hazardous substance (any compound of this substance is also an environmental hazard)

Components	**Florida substance List:**	**Rhode Island Right to Know List:**	**Illinois - Toxic Air Contaminants**	**Connecticut - Hazardous Air Pollutants**
COPPER CHROMITE CATALYST	[present]	Toxic, Carcinogen	Present on Great Waters or Great Lakes list	2.5 ug/m^3 HLV

Components	**SARA 313 Emission reporting/Toxic Release of Chemicals**	**CERCLA/SARA - Section 302 Extremely Haz**	**NTP:**	**IARC:**
COPPER CHROMITE CATALYST	form R reporting required for 1.0% de minimis concentration	Not Listed	None	None

SARA 313 Notification: The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Ammendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification: The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

5/31/2012