

TREVIGEN®

MATERIAL SAFETY DATA SHEET

CHEMICAL IDENTIFICATION

PRODUCT NAME: 50X Co²⁺

CATALOG NUMBERS: **4810-30-09**; 4810-30-CK; 4810-30-K; 4810-30-R; 4811-30-K; 4812-30-K

COMPOSITION/INFORMATION ON INGREDIENTS:

Cobalt Chloride solution

CAS#: none

SARA 313: No

HAZARDS IDENTIFICATION

Label Precautionary Statements: Toxic. Dangerous for the environment. Causes burns. May cause sensitization by inhalation and skin contact. May cause cancer by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Emergency Overview:

HMIS RATING: Health: 3

Flammability: 0

Reactivity: 0

NFPA RATING: Health: 3

Flammability: 0

Reactivity: 0

FIRST AID MEASURES:

Eye exposure: In case of contact, flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Oral exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Dermal exposure: In case of contact, immediately wash skin with soap and copious amounts of water.

Inhalation exposure: If inhaled, remove to fresh air. If breathing with difficulty, give oxygen. If not breathing, give artificial respiration. Call a physician.

FIRE FIGHTING MEASURES:

FLASH POINT N/A

AUTOIGNITION TEMP N/A

FLAMMABILITY N/A

EXTINGUISHING MEDIA

Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear laboratory coat, safety goggles, rubber boots, and heavy rubber gloves. Wash contaminated clothing thoroughly after handling and before reuse.

METHODS FOR CLEANING UP

Contact a licensed professional waste disposal service to dispose of this material. Observe all Federal, State, and Local environmental regulations. [DN] Requires Special Label: "Contains a substance which is regulated by Danish work environmental law due to the risk of carcinogenic properties."

HANDLING

Storage: - 20 °C

STABILITY

Stable: stable.

Materials to Avoid: Strong oxidizing agents.

Hazardous decomposition products: Cobalt/cobalt oxides, hydrogen chloride

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ROUTE OF EXPOSURE

Inhalation: May be harmful; material may be irritating to mucous membranes and upper respiratory tract.
Skin: May cause skin irritation. May be harmful if absorbed through the skin.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

SENSITIZATION

Prolonged or repeated exposure may lead to allergic reactions in certain sensitive individuals.

TARGET ORGAN(S) OR SYSTEM(S)

Blood. Kidneys. Heart. Thyroid, Male Reproductive System, Pancreas.

CHRONIC EXPOSURE: CARCINOGEN

Result: This product contains a component that has been reported to be probably carcinogenic based on its IARC, OGHA, ACGIH, NTP, or EPA classification.

DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix this liquid with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Dispose of contaminated packaging as unused product.

SHIPPING

DOT: Not Hazardous
IATA: Not Hazardous

REGULATORY INFORMATION**US CLASSIFICATION AND LABEL TEXT**

Indication of Danger: Toxic. Dangerous for the environment.

Risk Statements: Toxic if swallowed. Causes Burns. May cause sensitization by inhalation. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety Statements: Restricted to professional users. Attention! Avoid Exposure. Obtain special instructions before use. Do not breathe vapor spray. Wear suitable protective clothing, gloves, and eye/face protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately. This material and its container must be disposed of as hazardous waste.

US STATEMENTS

Probable Carcinogen (US). Target organs: Thyroid, Heart

CANADA REGULATORY INFORMATION:

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T

Indication of Danger: Toxic

R: 49-42/43-52/53

Risk Statements: May cause cancer by inhalation. May cause sensitization by inhalation and skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S: 53-23-36/37-45-60

Safety Statements: Restricted to professional users. Attention! Avoid Exposure. Obtain

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special instructions before use. Do not breathe vapor. Wear suitable protective clothing, and gloves. In case of accident or if you feel unwell, seek medical advice immediately. This material and its container must be disposed of as hazardous waste.

OTHER INFORMATION

The above information is believed to be correct, however, the physical, chemical, and toxicological properties of the product may not yet have been fully characterized. Trevigen recommends the use of gloves, lab coats and eye protection while using or handling this product. Trevigen assumes no liability for damage resulting from handling or contact with the above product. This MSDS does not represent any guarantee of the properties of the product.

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