



# MATERIAL SAFETY DATA SHEET

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## CF DESCO II

### SECTION I: IDENTIFICATION OF PRODUCT

**Product Name:** CF DESCO II  
**Chemical Family:** Mixture  
**WHMIS Classification:** D2A, D2B  
**Workplace Hazard:** Potential carcinogen; skin and eye irritant.

**Product Use:** Thinner, dispersant  
**TDG Classification:** Not Regulated  
**Packaging Group:** Not applicable  
**PIN:** Not applicable

### SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD <sub>50</sub> (Species/Route)	LC <sub>50</sub> (Species/Route)
Crystalline Silica quartz	0.1-1.0	14808-60-7	Not available	Not available
Ferrous sulphate	5-10	17375-41-6	Not available	Not available

### SECTION III: TOXICOLOGICAL PROPERTIES

**Route of entry:**  Skin  Eye Contact  Inhalation  Ingestion

#### Effects of acute exposure:

- Eye:** May cause severe irritation and could cause prolonged impairment of vision. The degree of injury depends on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment. May scratch the surface of the eye.
- Skin:** May cause severe irritation, redness and itching. Not expected to be harmful to the internal organs if absorbed through the skin.
- Ingestion:** Not expected to be harmful if swallowed. May be irritating to the mouth, throat and stomach. Symptoms may include nausea, vomiting and diarrhea.
- Inhalation:** May cause irritation of the upper respiratory tract.

#### Effects of chronic exposure:

**Inhalation:** This product contains crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation may cause silicosis, a progressive, disabling and sometimes fatal lung disease. Chronic inhalation exposure to crystalline silica quartz has been observed to cause lymph node effects, kidney effects and auto-immune disease. Long term exposure to iron dusts may cause a benign lung condition (siderosis) in which there are lung changes identifiable by x-ray imaging, without significant impairment of lung function

#### Exposure limits:

Component	Limit	TWA	STEL	Ceiling / Peak	Notation
Crystalline Silica	ACGIH	0.025 mg/m <sup>3</sup>	NA	NA	NA
Ferrous Sulfate	ACGIH	1 mg/m <sup>3</sup>	NA	NA	as Fe



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**Irritancy of product:** May cause respiratory tract irritation if inhaled. May cause skin irritation. Dust may produce mechanical irritation to the mucous membrane of the eyes, nose throat and upper respiratory tract. May cause eye irritation.

**Sensitization to product:** Not available

**Carcinogenicity:** Bentonite is not listed by ACGIH, IARC, NTP or OSHA. Crystalline silica, when inhaled from occupational sources, is considered as a human carcinogen by IARC (Class 1) and by NTP. ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

**Reproductive toxicity:** No information available

**Teratogenicity:** No information available

**Mutagenicity:** Crystalline silica has been shown to cause mutagenic effects in human cells in-vitro.

**Name of toxicological synergistic products:** No information available

## SECTION IV: FIRST AID MEASURES

**Skin contact:** Wash thoroughly with water and soap. If irritation persists get medical attention.

**Eye contact:** Flush with gently flowing warm water for 15 minutes, or until irritation ceases, holding the eyelids open. If irritation persists obtain medical attention.

**Inhalation:** Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth and give a glass of water. Seek medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.



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## SECTION V: PHYSICAL DATA

**Physical state:** Solid.

**Appearance and odour:** Fine reddish-brown powder with small white specks; odourless

**Odour threshold:** Not applicable

**Specific gravity (°C):** 1.5-1.7

**Vapor pressure (mmHG):** Not applicable

**Vapor density (Air=1):** Not applicable

**Evaporation rate:** Not applicable

**Boiling point (°C):** Not applicable

**Freeze/Melting point (°C):** Not applicable

**pH (%):** Not available

## SECTION VI: FIRE AND EXPLOSION DATA

**Conditions of flammability:** If in a finely divided and suspended state, treat as a flammable dust.

**Means of extinguishing:** CO<sub>2</sub>, water, mist, foam.

**Flash point:** Not applicable

**Upper flammable limit:** Not applicable

**Lower flammable limit:** Not applicable

**Auto-ignition temperature:** Not applicable

**Hazardous combustion products:** No information available

**Explosion data-sensitivity to mechanical impact:** Not applicable

**Explosion data-sensitivity to static discharge:** Not applicable



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## SECTION VII: REACTIVITY DATA

**Chemically unstable (conditions):** Stable

**Product incompatible with:** May react with oxygen and strong oxidizing agents.

**Conditions of reactivity:** Not established

**Hazardous decomposition products:** Carbon, sulfur and iron oxides may be released when burned.

## SECTION VIII: PREVENTATIVE MEASURES

**Personal protective equipment:**

- **Eye/Face Protection:** Suggest safety glasses with side shields or chemical goggles.
- **Skin Protection:** It is suggested to use chemical resistant protective clothing when handling this product. Suggest rubber or neoprene gloves.
- **Respiratory Protection:** Suggest NIOSH approved dust mask be worn for levels below TLV. Use approved respirator with dust cartridges for levels above TLV.

**Specific engineering controls:** Use only in well ventilated area. Use local exhaust ventilation, process enclosure and/or other engineering controls to maintain levels of airborne dust below TLV. Ensure eyewash station and emergency shower are available.

**Procedures for leak/spills:** Use appropriate safety equipment. Avoid all bodily contact with spilled material. Vacuum or sweep up in a manner that prevents the creation of airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Flush spill area with water. Do not allow material to enter storm sewers or storm water inlets.

**Waste disposal:** Dispose in accordance with federal, provincial and local regulations. It is the responsibility of the end user to determine if material meets the criteria of hazardous waste at the time of disposal.

**Handling procedures and equipment:** Avoid ingestion. Avoid skin and eye contact. Do not breathe the dust. Wash thoroughly after handling. Practice reasonable caution and personal cleanliness. Launder exposed clothing before reuse. Wear suitable protection for eyes and skin when handling.

**Storage requirements:** Store in dry, well-ventilated area away from incompatibles and ignition sources. Empty packages contain small amounts of hazardous material and should be handled as if full.

**Special shipping information:** Not applicable

## SECTION IX: PREPARATION

**Date updated:** May 15, 2009

**Prepared by:** Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by q'max solutions inc. As to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does q'max solutions inc. Assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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