



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: Desco II (Chrome Free)
PRODUCT USE: Oil Well Fluid Additive
CHEMICAL FAMILY: Mixture

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Class D-2(A); and Class D-2(B)
WORK PLACE HAZARD: Potential Carcinogen; and Skin and Eye Irritant

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Not Dangerous Goods
TDG CLASSIFICATION: Not Regulated
UN NUMBER (PIN): N/A
PACKING GROUP: N/A

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₍₅₀₎ Oral-Rat</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Crystalline Silica	<1%	Various	No Data	0.1 mg/m ³	0.1 mg/m ³
Ferrous sulphate	10%	7720-78-7	No Data	1 mg/m ³	1 mg/m ³

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EYE CONTACT: May cause severe irritation to the eyes.

SKIN CONTACT: May cause irritation, redness and itching to the skins; may cause dermatitis.

INGESTION: May cause gastrointestinal tract irritation, shock, liver damage, rapid heart- beat, and death.

INHALATION: Will be irritating to mucous membranes of nose, throat and upper respiratory tract. This product contains free crystalline silica and long term exposure to dust containing crystalline silica may cause silicosis, a progressive pulmonary fibrosis which may be associated with significantly impaired pulmonary function, cardiopulmonary impairment and death.

SECTION IV: FIRST AID MEASURES



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EYE CONTACT:	Flush with running water for 15 minutes holding the eye- lid open. Call a physician and seek medical aid.
SKIN CONTACT:	Wash with soap and running water for 15 minutes. Wash clothes prior to reuse. If irritation persists get medical attention.
INGESTION:	Immediately give 2 glasses of water. Induce vomiting if patient is conscious. Seek medical attention. Keep patient warm ant at rest.
INHALATION:	Remove patient to fresh air. Administer oxygen if breathing is difficult. Administer CPR if breathing has ceased. Call a physician.
NOTE TO PHYSICIAN:	This product contains iron salts. If severity of poisoning requires chelation therapy, the following is recommended: Gastric lavage using Deproxamine 2 grams in 1 litre of water containing sodium bicarbonate, 20 mg/l. Leave 10 mg of Deprosamine in 50 ml of 5% sodium bicarbonate in the stomach.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Fine reddish-brown powder with small white specks; Odourless
SPECIFIC GRAVITY:	1.5-1.7 g/cc
BOILING POINT (°C):	N/A
MELTING POINT (°C):	N/A
pH:	1% solution = No Data
SOLUBILITY IN WATER:	Appreciable
PERCENT VOLATILE BY VOLUME:	N/A
EVAPORATION RATE:	N/A
VAPOUR PRESSURE (mm Hg):	N/A
VAPOUR DENSITY (Air = 1):	N/A

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A
FLAMMABLE LIMITS:	N/A
EXTINGUISHING MEDIA:	CO ₂ , Water, Mist, Foam.
SPECIAL FIRE FIGHTING PROCEDURES:	Fire fighters must wear appropriate breathing apparatus and clothing. May release carbon, sulphur and iron oxides when burned.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	If in a finely divided and suspended state, treat as a non-flammable dust.

SECTION VII: REACTIVITY DATA

STABILITY: **Stable [XX]** **Unstable []**



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INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents and alkalies.	
CONDITIONS OF REACTIVITY:	Heat	
HAZARDOUS DECOMPOSITION PRODUCTS:	It is possible to have sulphur and oxides of sulphur and carbon.	
HAZARDOUS POLYMERIZATION:	Will Not Occur [XX]	May Occur []

VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	Use an NIOSH approved dust filter.
VENTILATION	Local exhaust ventilation is recommended for controlled products.
PROTECTIVE GLOVES	Chemical resistant gloves.
EYE PROTECTION	Use chemical goggles when handling this product.
OTHER PROTECTIVE EQUIPMENT (Specify)	It is suggested to use chemical resistant protective clothing when handling this product. Make eye bath and emergency shower available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid ingestion. Do not breath the dust. Wash thoroughly after handling. Practice reasonable caution and personal cleanliness. Launder exposed clothing before reuse. Avoid skin and eye contact. Wear suitable protection for eyes and skin when handling. Store in dry well ventilated place.

STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Use appropriate safety equipment. Avoid all bodily contact with spilled material. Small spills, sweep up and either recover or dispose in approved containers. Large spills shovel and sweep up for reclamation or disposal. It is suggested that recovered material be reclaimed for reuse. Do not allow material to enter storm sewers or storm water inlets.

WASTE DISPOSAL METHOD

Dispose to conform to local disposal regulations. It is the responsibility of the user of this product to determine at the time of disposal whether the product meets criteria for hazardous waste. This product lends itself to recovering for reclamation if spilled.

SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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