



Prairie Mud Service Ltd.

"Serving Western Canada with 24 Hour Drilling Mud Service"

MSDS (Material Safety Data Sheet)

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Prairie Mud Service** DATE: November 27, 2009
738 6th Street PHONE: 306-634-3411
Estevan, SK S4A 1A4 FAX: 306-634-6694

PRODUCT NAME: **DESCO II (Deflocculent)**

PRODUCT USE: Drilling Mud Additive CAS #: Mixture

CHEMICAL FAMILY: Mixture

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D2A; D2B
WORK PLACE HAZARD: Potential carcinogen; skin and eye irritant

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Not regulated under TDG
TDG CLASSIFICATION: Not applicable
UN NUMBER (PIN): Not applicable
PACKING GROUP: Not applicable

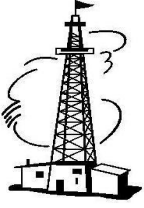
SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	CAS NUMBER	LD ₅₀ Oral - Mse	LC ₅₀ Inhal - Rat	ACGIH TLV
Ferrous sulphate	10	17375-41-6	Not available	Not available	1 mg/m ³ (as Fe)
Crystalline silica	<1	Various	Not available	Not available	0.1 mg/m ³

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] SKIN [XX] EYE CONTACT [XX] INHALATION [XX] INGESTION

EYE CONTACT: May cause severe irritation to the eyes.
SKIN CONTACT: May cause severe irritation, redness and itching.
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. 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.
CARCINOGENICITY: Silica when inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (IARC Group 1 - carcinogenic to humans).
TERATOGENICITY: No information available.
REPRODUCTIVE TOXICITY: No information available.
MUTAGENICITY: No information available.
SYNERGISTIC PRODUCTS: No information available.



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VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: VENTILATION:	Suggest NIOSH approved dust mask be worn for levels below TLV. Use approved respirator with dust cartridges for levels above TLV. 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.
PROTECTIVE GLOVES:	Suggest rubber or neoprene.
EYE PROTECTION:	Suggest chemical goggles when handling this product.
OTHER PROTECTIVE EQUIPMENT (Specify):	It is suggested to use chemical resistant protective clothing when handling this product. Ensure eye wash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid ingestion. Do not breathe 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 area away from incompatibles and ignition sources. Empty packages contain small amounts of hazardous material and should be handled as if full.

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

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 METHOD

Dispose in accordance with federal, provincial and local regulations. This product is considered a dangerous good under TDG when being shipped for disposal (Class 9 Environmentally Hazardous Substance). It is the responsibility of the end user to determine if the material meets the criteria of hazardous waste at the time of disposal.

The above information is supplied as a customer service and is provided in good faith. Although it has been based on data drawn from sources deemed to be reliable, Prairie Mud Service cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.