

**SECTION 1: IDENTIFICATION**

PRODUCT IDENTIFIER:	<b>SAF-KOTE</b>
OTHER MEANS OF IDENTIFICATION:	None
RECOMMENDED USE:	Oilwell drilling fluid additive
RESTRICTIONS ON USE:	None
SUPPLIER IDENTIFIER:	<b>Di-Corp</b> <b>8750-53 Ave</b> <b>Edmonton, AB T6E 5G2</b> <b>780-440-4923</b>
EMERGENCY PHONE NUMBER:	780-468-4064 (24 hr)

**SECTION 2: HAZARD IDENTIFICATION**

CLASSIFICATION:	Skin irritation – Category 2 Serious eye damage – Category 1 Aspiration Hazard - Category 1
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LABEL SYMBOLS:



SIGNAL WORD:

**DANGER**

CLASSIFICATION INFORMATION:

Causes skin irritation.  
Causes serious eye damage.  
May be fatal if swallowed and enters airways.

**PREVENTION**

Wash exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection

**RESPONSE**

PRECAUTIONARY STATEMENTS:

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do not induce vomiting.  
IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**STORAGE**

Store locked up.

**DISPOSAL**

Dispose of contents and containers in accordance with local, provincial and/or federal requirements.

OTHER HAZARDS:

None known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS NUMBER	CONCENTRATION (w/w)
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	60 - 100%

Fatty acids, tall-oil, reaction products with diethylenetriamine	61790-69-0	7 – 13%
Alcohols, C12-14 secondary, ethoxylated	84133-50-6	1 – 5%
2-ethylhexanol	104-76-7	1-5%

## SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Immediately flush affected area with running water while removing contaminated clothing. Continue flushing for 15 minutes. If irritation persists, or develops, obtain medical attention.
EYE CONTACT:	Immediately flush with gently flowing warm water for minimum 15 minutes. Obtain medical attention when flushing period is complete.
INGESTION:	Do not induce vomiting. Rinse mouth with water. If vomiting occurs, keep head below hips to reduce risk of aspiration of vomitus into lungs. Get immediate medical attention. Do not give anything by mouth if victim is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Move to fresh air. Apply oxygen or artificial respiration if required. Obtain immediate medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS:	Aspiration during swallowing or vomiting may cause harm. May cause eye irritation.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	If swallowed, do not induce vomiting. Get immediate medical attention. Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Carbon dioxide, dry chemical, water spray or foam.
UNSUITABLE EXTINGUISHING MEDIA:	Do not use direct water stream: May spread fire.
SPECIFIC FIRE HAZARDS:	This product will burn under fire conditions. Under fire conditions closed containers may rupture or explode.
HAZARDOUS COMBUSTION PRODUCTS:	Including, but not limited to: Oxides of carbon, oxides of nitrogen.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Full protective equipment and self-contained breathing apparatus required for fire-fighting personnel. Remove containers from fire area, or cool with water spray, if possible.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Evacuate area and eliminate ignition sources. Enter area only if wearing appropriate safety equipment. Avoid all bodily contact with spilled material. Stop leak if possible to do so without risk. Do not allow material to enter storm sewers or waterways.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Small spills; soak up with absorbent material and dispose in approved containers. Large spills; dike to contain spill. Recover uncontaminated material for repackaging. Collect contaminated material and absorbents in approved container for disposal. Flush spill area with water. Collect flush water in an approved container for disposal.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Wash thoroughly after handling. Clean contaminated clothing and footwear before reuse. Avoid breathing mists and vapours.

### CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool area separate from incompatible materials. Store unused material in original container. Keep container tightly closed

when not in use. Handle only in area free of ignition sources. Ground containers when transferring material. Empty containers, which have not been cleaned and purged, contain residual hazardous material and should be handled and stored as if full.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE LIMITS: ACGIH TLV TWA = 5 mg/m<sup>3</sup> (oil mist, respirable)  
 ENGINEERING CONTROLS: Local exhaust ventilation, process enclosure or other engineering controls as required to maintain vapour concentration below TLV's.  
 RESPIRATORY PROTECTION: PERSONAL PROTECTIVE MEASURES  
 In absence of proper ventilation, recommend approved respirator with organic vapour/mist cartridges or SCBA be worn.  
 PROTECTIVE GLOVES: Viton gloves recommended.  
 EYE PROTECTION: Chemical goggles recommended.  
 OTHER PROTECTIVE EQUIPMENT (SPECIFY): Suggest the use of a chemical apron and/or chemical resistant clothing. Ensure eye-wash station and emergency shower are available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Dark amber liquid  
 ODOUR: Amine odor  
 ODOUR THRESHOLD: Not available  
 pH: Not available  
 MELTING POINT / FREEZING POINT: <-15°C  
 BOILING POINT / RANGE: Not available  
 FLASH POINT: >93.3°C  
 EVAPORATION RATE: Not available  
 FLAMMABILITY: Must be heated before ignition.  
 FLAMMABILITY / EXPLOSIVE LIMITS: Not available  
 VAPOUR PRESSURE: Not available  
 VAPOUR DENSITY: Not available  
 RELATIVE DENSITY: 0.85 – 0.90  
 SOLUBILITY: Dispersible in water  
 PARTITION COEFFICIENT: Not available  
 AUTO-IGNITION TEMPERATURE: Not available  
 DECOMPOSITION TEMPERATURE: Not available  
 VISCOSITY: Not available

**SECTION 10: STABILITY AND REACTIVITY**

REACTIVITY: No information available  
 CHEMICAL STABILITY: Stable under normal conditions  
 POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur  
 CONDITIONS TO AVOID: Heat, sparks or open flames.  
 INCOMPATIBLE MATERIALS: Strong oxidizers.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

**SECTION 11: TOXICOLOGICAL INFORMATION**

PRODUCT TOXICITY: ATE (oral) > 5000 mg/kg  
 COMPONENT TOXICITY

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
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distillates (petroleum), hydrotreated light paraffinic	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not available
Fatty acids, tall-oil, reaction products with diethylenetriamine	>5000 mg/kg (rat)	Not available	Not available
Alcohols, C12-14 secondary, ethoxylated	>412 mg/kg (rat)	>14000 mg/kg (rat)	1.06 mg/L (rat)
2-ethylhexanol	2049 mg/kg (rat)	1970 mg/kg (rabbit)	Not available

SKIN CONTACT:	May cause mild to moderate skin irritation including redness and swelling. May cause more severe response under clothing, gloves, etc. Repeated or prolonged contact may cause dermatitis.
EYE CONTACT:	Contains an ingredient which causes serious eye irritation/damage. High vapour concentrations may cause irritation.
INGESTION:	May cause gastrointestinal irritation.
INHALATION:	May cause irritation of the respiratory tract. Prolonged excessive exposure may cause adverse effects including central nervous system depression. Aspiration in to lungs may occur during swallowing or vomiting, causing lung damage or even death due to chemical pneumonia.
CARCINOGENICITY:	No information available.
TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No information available.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	No information available.

## SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No product information available.

CHEMICAL NAME	LC50 (fish)	LC50 (invertebrates)	EC50 (bacteria)
Alcohols, C12-14 secondary, ethoxylated	3.2 – 3.6 mg/L/96 hr (fathead minnow)	7.3 mg/L/48 hr (water flea)	>1000 mg/L/16 hr

PERSISTENCE AND DEGRADABILITY:	No information available.
BIOACCUMULATIVE POTENTIAL:	No information available.
MOBILITY IN SOIL:	No information available.
OTHER ADVERSE EFFECTS:	No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose/incinerate in accordance with federal, state and local regulations. Do not dump into sewer drains, watercourses or on the soil. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty containers, which have not been cleaned and purged, contain residual hazardous material and must be disposed of, or recycled, according to local regulations.

## SECTION 14: TRANSPORTATION INFORMATION

TDG:	Not regulated
DOT:	Not regulated
IATA:	Not regulated
IMDG:	Not regulated
UN NUMBER:	Not applicable
PROPER SHIPPING NAME:	Not applicable
CLASS:	Not applicable
PACKING GROUP:	Not applicable
IMDG HAZARDS:	Not applicable
BULK TRANSPORT:	Not applicable
SPECIAL PRECAUTIONS:	Not applicable

### **SECTION 15: REGULATORY INFORMATION**

DSL:	All ingredients are listed on the DSL.
WHMIS CLASS:	D2B
TSCA:	All ingredients are listed or exempt from listing.

### **SECTION 16: OTHER INFORMATION**

REVISION DATE:	May 28, 2018
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