Material : LINSEED SOAP	MATERIAL	SAFETY	DATA SHEET	-	
SECTION V111 - FIRST AID MEASURES					
Skin Rinse with water.					
Eye Rinse with water.					
Inhalation not applicable					
Ingestion  Drink 2 glasses of water, induce vomiting.					
General advise not applicable					
SECTION IX - PREPARATION OF M.S.D.S.				_	
Additional Information / Comments not applicable					
Sources Used					
Prepared by A.J. HOOD Phone number	905-453-7007	Date	ARPIL 9, 2010		



# MATERIAL SAFETY DATA SHEET



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#### **EXTREME NUMBER ONE**

# **EMERGENCY PHONE NO. (604) 575-6660**

PAGE 1 OF 5

# WHMIS HAZARD INDEX:

# DEGREE OF HAZARD: HAZARD RATING:

HEALTH 0 **LEAST** FIRE 0 1 SLIGHT MODERATE REACTIVITY 0 2 OTHER: B (GLASSES & GLOVES) 3 HIGH **EXTREME** 

# SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME NUMBER ONE CHEMICAL IDENTIFICATION: Acrylamide, Acrylate Copolymer

MATERIAL USE:

WHMIS CLASSIFICATION:

WORK PLACE HAZARD:

Drilling Fluid Additive

Not Regulated

Not Applicable

# TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods

PACKAGE GROUP:

CAS NUMBER:

MSDS CODE:

Not Applicable

Not Applicable

# SECTION 2 HAZARDOUS INGREDIENTS

INGREDIENT: None Considered Hazardous

PERCENTAGE: Not Available
CAS NUMBER: Not Available
LD (50): Not Available
LC (50): Not Available

PAGE 2 OF 5

#### **EXTREME NUMBER ONE**

# MATERIAL SAFETY DATA SHEET

SECTION 3 PHYSICAL DATA

APPEARANCE AND ODOUR: Slight, mild odour, white, granular solid

DENSITY (SPECIFIC GRAVITY): .80

BOILING POINT:

MELTING POINT:

SOLUBILITY:

EVAPORATION RATE: (EE=1):

VAPOUR PRESSURE: (MM HG):

VAPOUR DENSITY: (AIR = 1):

Not Available

Not Available

Not Available

SECTION 4 FIRE AND EXPLOSION

FLASHPOINT: Not Applicable FLAMMABLE LIMIT: Not Available AUTO IGNITION TEMP: No Data

EXTINGUISHING MEDIA: Dry Chemical, Carbon Dioxide, Foam SPECIAL FIRE FIGHTING PROCEDURES: Self-Contained Respirators For Fire Fighting

Personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Products of incomplete combustion and oxides of

nitrogen and carbon.

SECTION 5 REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): Stable

INCOMPATIBILITY (CONDITIONS TO AVOID): Strong oxidizing agents and highly alkaline

solutions

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: None

PAGE 3 OF 5

#### **EXTREME NUMBER ONE**

# MATERIAL SAFETY DATA SHEET

SECTION 6 HEALTH HAZARDS

ROUTE OF ENTRY:

WASTE DISPOSAL:

(X) SKIN (X) EYE CONTACT (X) INHALATION (X) INGESTION

SKIN CONTACT: May be minimally irritating to sensitive skin upon

prolonged direct contact.

EYE CONTACT: May be minimally irritating to eyes upon direct

contact.

INHALATION: May cause irritation to nose and throat.

SECTION 7 PREVENTATIVE MEASURES

SKIN PROTECTION: Impervious gloves, protective clothing as required

EYE PROTECTION: Goggles.

VENTILATION: General mechanical; 10 changes per hour.

RESPIRATORY PROTECTION: Approved dust mask; MESA type

LEAK & SPILL PROCEDURE: Ventilate area, wear rubber boots, gloves and a

self-contained respirator if ventilation inadequate. Collect into waste container, wash site after pick

up. Water solutions extremely slippery. Dispose in compliance with government

regulations and local requirements.

STORAGE REQUIREMENTS: Cool, dry area, away from oxidizing and reducing

agents. Keep containers closed when not in use. Avoid prolonged contact when handling. Do not

inhale dust.

PAGE 4 OF 5

#### **EXTREME NUMBER ONE**

# MATERIAL SAFETY DATA SHEET

SECTION 8 FIRST AID MEASURES

SKIN: Wash thoroughly with soap and warm water EYE: Flush with water for at least 15 minutes. Seek

medical attention.

INHALATION: Remove to fresh air. if not breathing, give artificial

respiration. If breathing is difficult, give oxygen.

Seek medical attention.

INGESTION: Do not induce vomiting. If conscious, dilute by

giving two glasses of water. Seek medical

attention.

SECTION 9 PREPARATION DATE

DATE ISSUED: APRIL 18, 2009
DATE REVISED: JANUARY 01, 2012

BY: PRODUCT SAFETY COMMITTEE

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PAGE 5 OF 5

#### **EXTREME NUMBER ONE**

# MATERIAL SAFETY DATA SHEET

# **ADDENDUM**

SECTION 10 ECOLOGICAL INFORMATION

**ACUTE TOXICITY:** 

- Oral: LD50/oral/rat > 5000 mg/kg

- Dermal: The results of lab testing showed this material to

be non-toxic even at high dose levels.
- Inhalation: The product is not expected to be toxic by

inhalation.

IRRITATION:

- Skin: The results of lab testing showed this material to

be non-irritating to the skin.

Eyes: Testing conducted according to the Draize

technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all

granular materials have no conjuctivae.

SENSITIZATION: The results of lab testing showed this material to

be non-sensitizing.

CHRONIC TOXICITY: The results of extensive lab testing did not reveal

adverse health effects.

**ECOTOXICITY** 

- Fish: LC50 / Fathead minnows / 96 hours > 1000 mg/l

Algae: EC50 / Selenastrum capricornutum > 96 hours >

500 mg/l

Bioaccumulation: The product is not expected to bioaccumulate.

Persistence / degradability: Not readily biodegradable.

# MATERIAL SAFETY DATA SHEET



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#### **EXTREME ROD GREASE**

# **EMERGENCY PHONE NO. (604) 575-6660**

PAGE 1 OF 4

# WHMIS HAZARD INDEX:

# DEGREE OF HAZARD: HAZARD RATING:

HEALTH 0 **LEAST** FIRE 1 1 SLIGHT **MODERATE** REACTIVITY 0 2 OTHER: A (GLASSES & GLOVES) 3 HIGH **EXTREME** 

# SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME ROD GREASE CHEMICAL IDENTIFICATION: Petroleum Hydrocarbon

MATERIAL USE: Thick composition, industrial lubricant

WHMIS CLASSIFICATION:
WORK PLACE HAZARD:
Not controlled
Not applicable

# TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION:
PACKAGE GROUP:
CAS NUMBER:
MSDS CODE:
Not dangerous goods
Not applicable
Not applicable
Not applicable

# SECTION 2 HAZARDOUS INGREDIENTS

INGREDIENT: Mixture of hydrotreated neutral base oil and

additives

PERCENTAGE: 100%
CAS NUMBER: Not applicable

LD (50): Acute oral toxicity (Rat): 5000 Mg/Kg

LC (50): Not determined TLV-TWA: 5 Mg/m³ (Oil Mist)

PAGE 2 OF 4

#### **EXTREME ROD GREASE**

# MATERIAL SAFETY DATA SHEET

SECTION 3 PHYSICAL DATA

APPEARANCE AND ODOUR: Long fibered grease, greenish brown colour, mild

grease like odour.

DENSITY (SPECIFIC GRAVITY): .89
BOILING POINT: .260°C
MELTING POINT: .Not available

SOLUBILITY: Insoluble in cold water, soluble in non-polar

hydrocarbon solvents.

EVAPORATION RATE: (EE=1): Not available VAPOUR PRESSURE: (MM HG): 0.0075 @ 20°C VAPOUR DENSITY: (AIR = 1): Not available

SECTION 4 FIRE AND EXPLOSION

FLASHPOINT: 252°C FLAMMABLE LIMIT: Not available AUTO IGNITION TEMP: 316°C

EXTINGUISHING MEDIA: Dry chemical, foam, CO<sub>2</sub>, water spray, fog

SPECIAL FIRE FIGHTING PROCEDURES: None required

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 5 REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): Stable

INCOMPATIBILITY (CONDITIONS TO AVOID): Avoid excessive heat, highly reactive with

oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, irritating fumes and smoke as products of incomplete combustion.

PAGE 3 OF 4

#### **EXTREME ROD GREASE**

# MATERIAL SAFETY DATA SHEET

SECTION 6 HEALTH HAZARDS

ROUTE OF ENTRY:

(X) SKIN (X) EYE CONTACT (X) INHALATION (X) INGESTION

SKIN CONTACT: Non-irritating; for prolonged exposure wear gloves.

EYE CONTACT: May irritate the eyes

INHALATION: Low vapour pressure, not expected to present inhalation exposure under normal conditions.

INGESTION: Low toxicity on ingestion; has laxative effect and

rapidly eliminated.

SECTION 7 PREVENTATIVE MEASURES

SKIN PROTECTION:

None normally required. Personal preference suggest gloves, boots and long sleeved clothing.

EYE PROTECTION: Wear safety glasses/goggles.

VENTILATION: No special ventilation required for normal

conditions.

RESPIRATORY PROTECTION: None normally required. If mist generated by

heating or spraying wear an organic vapour

respirator with mist filter.

LEAK & SPILL PROCEDURE: Contain spill. Use appropriate tools to place

spilled material in a container for reclaiming or

disposal.

WASTE DISPOSAL: Dispose of in compliance with local and

government regulations.

STORAGE REQUIREMENTS: Store in cool, dry area away from oxidizing agents.

Keep containers tightly closed when not in use.

PAGE 4 OF 4

#### **EXTREME ROD GREASE**

# MATERIAL SAFETY DATA SHEET

SECTION 8 FIRST AID MEASURES

SKIN: Wash gently and thoroughly with mild soap and

water. Remove and launder contaminated

clothes.

EYE: Immediately flush eyes with running water for at

least 15 minutes. Keep eyelids open. Do not use

an eye ointment. Seek medical attention if

irritation persists.

INHALATION: Not expected under normal conditions. Remove

victim to safe area, perform mouth to mouth resuscitation if victim is not breathing. Seek

medical attention.

INGESTION: Do not induce vomiting. Has laxative effect;

rapidly eliminated. Medical assessment advised.

SECTION 9 PREPARATION DATE

DATE ISSUED: AUGUST 20, 2009
DATE REVISED: JANUARY 01, 2012

BY: PRODUCT SAFETY COMMITTEE

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#### **EXTREME STOP**

# **EMERGENCY PHONE NO. (604) 575-6660**

PAGE 1 OF 4

# WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH	0	0	LEAST	
FIRE	0	1	SLIGHT	
REACTIVITY	0	2	MODERATE	
OTHER:	0	3	HIGH	

3 HIGH 4 EXTREME

HAZARD RATING:

# SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME STOP
CHEMICAL IDENTIFICATION: Acrylamide Copolymer
MATERIAL USE: Lost Circulation Material

WHMIS CLASSIFICATION:
WORK PLACE HAZARD:
Non Hazardous
Not Applicable

# TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods

PACKAGE GROUP: N/A
CAS NUMBER: N/A
MSDS CODE: N/A

# SECTION 2 HAZARDOUS INGREDIENTS

INGREDIENT: None Considered Hazardous

PERCENTAGE: N/A CAS NUMBER: N/A

LD (50): LC (50):

PAGE 2 OF 4

**EXTREME STOP** 

# MATERIAL SAFETY DATA SHEET

# SECTION 3 PHYSICAL DATA

APPEARANCE AND ODOUR: White Freeflowing Granules, very mild odour. DENSITY (SPECIFIC GRAVITY): 1.05

 DENSITY (SPECIFIC GRAVITY):
 1.05

 BOILING POINT:
 N/A

 MELTING POINT:
 N/A

 SOLUBILITY:
 >60%

 EVAPORATION RATE: (EE=1):
 N/A

 VAPOUR PRESSURE: (MM HG):
 N/A

 VAPOUR DENSITY: (AIR = 1):
 N/A

# SECTION 4 FIRE AND EXPLOSION

FLASHPOINT: No Data

FLAMMABLE LIMIT: Not Determined AUTO IGNITION TEMP: No Data

EXTINGUISHING MEDIA: Dry chemical, foam, water fog, CO<sub>2</sub>

SPECIAL FIRE FIGHTING PROCEDURES: None UNUSUAL FIRE AND EXPLOSION HAZARDS: None

# SECTION 5 REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): Stable

INCOMPATIBILITY (CONDITIONS TO AVOID): Oxidizing Agents HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon as products of combustion.

PAGE 3 OF 4

**EXTREME STOP** 

# MATERIAL SAFETY DATA SHEET

ROUTE OF ENTRY:
( ) SKIN ( ) EYE CONTACT ( ) INHALATION ( ) INGESTION

SKIN CONTACT: N/A
EYE CONTACT: N/A
INHALATION: N/A
INGESTION: N/A

# SECTION 7

# **PREVENTATIVE MEASURES**

SKIN PROTECTION:

EYE PROTECTION:

VENTILATION:

RESPIRATORY PROTECTION:

No special requirements.

No special requirements.

If nuisance dust use dust mask.

LEAK & SPILL PROCEDURE: Collect in container. Dispose with solid waste. Non

hazardous.

WASTE DISPOSAL: Dispose of in compliance with local and

government regulations.

STORAGE REQUIREMENTS: Store in a cool, dry area, away from oxidizing

agents. Keep containers closed when not in use.

PAGE 4 OF 4

**EXTREME STOP** 

# MATERIAL SAFETY DATA SHEET

SECTION 8	FIRST AID MEASURES
SKIN:	N/A
EYE:	N/A
INHALATION:	N/A
INGESTION:	N/A

SECTION 9 PREPARATION DATE

DATE ISSUED: AUGUST 20, 1996
DATE REVISED: JANUARY 01, 2012

BY: PRODUCT SAFETY COMMITTEE

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PAGE 1 OF 4

# **EMERGENCY PHONE NO. (604) 575-6660**

**EXTREME SUPER-G BLUE** 

#### WHMIS HAZARD INDEX:

#### DEGREE OF HAZARD: HAZARD RATING:

HEALTH 1 0 **LEAST** 2 **SLIGHT** FIRE 1 REACTIVITY 0 2 **MODERATE** 3 OTHER: B (GLASSES & GLOVES) HIGH **EXTREME** 

### SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME SUPER-G BLUE

CHEMICAL IDENTIFICATION: Anionic polyacrylamides in water oil emulsion

MATERIAL USE: Drilling mud additive

WHMIS CLASSIFICATION: B3, D2B

WORK PLACE HAZARD: Combustible liquid; skin & eye irritant

# TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not dangerous goods

PACKAGE GROUP:

CAS NUMBER:

MSDS CODE:

NA

### SECTION 2 HAZARDOUS INGREDIENTS

Mineral spirits INGREDIENT: Alkyl Phenol Ethoxylate Ethoxylated C12-15 Alcohol 0.5-1.5 PERCENTAGE: 30-60 3-7 64742-47-8 68412-54-4 68131-39-5 CAS NUMBER: >3200 mg/kg LD (50): >5 g/kg 3 g/kg LC (50): Undetermined Undetermined Undetermined



PAGE 2 OF 4

#### **EXTREME SUPER-G BLUE**

# MATERIAL SAFETY DATA SHEET

# SECTION 3 PHYSICAL DATA

APPEARANCE AND ODOUR: Blue liquid emulsion, slight odour

DENSITY (SPECIFIC GRAVITY):

BOILING POINT:

MA

MELTING POINT:

SOLUBILITY:

EVAPORATION RATE: (EE=1):

VAPOUR PRESSURE: (MM HG):

VAPOUR DENSITY: (AIR = 1):

NA

# SECTION 4 FIRE AND EXPLOSION

FLASHPOINT: 65°C (TCC)
FLAMMABLE LIMIT: Undetermined
AUTO IGNITION TEMP: Undetermined

EXTINGUISHING MEDIA: Water spray, foam, dry chemical & CO<sub>2</sub>

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained respirators required for firefighting

personnel

UNUSUAL FIRE AND EXPLOSION HAZARDS: Water may cause slipperiness. Sensitivity to static

discharge

# SECTION 5 REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): Stable

INCOMPATIBILITY (CONDITIONS TO AVOID): Strong oxidizing agents, strong reducing agents

HAZARDOUS POLYMERIZATION: Will not occur HAZARDOUS DECOMPOSITION PRODUCTS: NOx , COx

PAGE 3 OF 4

#### **EXTREME SUPER-G BLUE**

# MATERIAL SAFETY DATA SHEET

SECTION 6 HEALTH HAZARDS

ROUTE OF ENTRY:

(XX) SKIN (XX) EYE CONTACT ( ) INHALATION (XX) INGESTION

SKIN CONTACT: Irritant. Can cause redness, inflammation and

irritation on prolonged contact

EYE CONTACT: Severe irritant. Can cause redness, tissue

destruction and irritation

INHALATION: Unlikely

INGESTION: May cause nausea, diarrhea and abdominal

cramps

SECTION 7 PREVENTATIVE MEASURES

SKIN PROTECTION: Chemically resistant gloves

EYE PROTECTION: Safety glasses

VENTILATION: General mechanical

RESPIRATORY PROTECTION: NIOSH approved organic vapour cartridge

respirator if exposure is excessive

LEAK & SPILL PROCEDURE: Small spills: soak up with absorbent material

Large spills: dike to contain spill to prevent water

pollution. Recover diked material

WASTE DISPOSAL: Incinerate/dispose of in accordance with local

regulations

STORAGE REQUIREMENTS: Store in a cool, well-ventilated area

PAGE 4 OF 4

#### **EXTREME SUPER-G BLUE**

# MATERIAL SAFETY DATA SHEET

SECTION 8 FIRST AID MEASURES

SKIN: Wash exposed area with soap & water. If irritation

or abnormalities persist seek medical attention. Remove contaminated clothing and launder prior

to re-use

EYE: Immediately flush eyes with water for 15 mins and

seek medical attention

INHALATION: Remove to fresh air. If irritation continues, seek

medical attention

INGESTION: If conscious & alert, give 1-2 glasses water. Never

give anything by mouth to an unconscious person. Seek medical attention; do not leave unconscious

person unattended. Do not induce vomiting

SECTION 9 PREPARATION DATE

DATE ISSUED: AUGUST 20, 1996
DATE REVISED: JANUARY 01, 2012

BY: PRODUCT SAFETY COMMITTEE

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PAGE 1 OF 4

# **EMERGENCY PHONE NO. (604) 575-6660**

EXTREME SUPER-G GOLD

# WHMIS HAZARD INDEX:

#### **DEGREE OF HAZARD: HAZARD RATING:**

HEALTH 0 **LEAST** FIRE 0 1 SLIGHT MODERATE REACTIVITY 0 2 OTHER: B (GLASSES & GLOVES) 3 HIGH **EXTREME** 

#### SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME SUPER-G GOLD CHEMICAL IDENTIFICATION: Polysaccharide suspension MATERIAL USE: Drilling mud additive

WHMIS CLASSIFICATION: D2B

WORK PLACE HAZARD: Skin & eye irritant

# TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not dangerous goods

PACKAGE GROUP: NA CAS NUMBER: NA MSDS CODE: NA

#### **HAZARDOUS INGREDIENTS SECTION 2**

INGREDIENT: Ethoxylated nonyl phenol

PERCENTAGE: 1-5 CAS NUMBER: 9016-45-9 LD (50): 5100mg/kg

LC (50):

PAGE 2 OF 4

#### **EXTREME SUPER-G GOLD**

# MATERIAL SAFETY DATA SHEET

# SECTION 3 PHYSICAL DATA

APPEARANCE AND ODOUR: Opaque dark yellow to beige liquid – little odour

DENSITY (SPECIFIC GRAVITY): 1.078

BOILING POINT:

MELTING POINT:

SOLUBILITY:

EVAPORATION RATE: (EE=1):

VAPOUR PRESSURE: (MM HG):

VAPOUR DENSITY: (AIR = 1):

Undetermined

Undetermined

Undetermined

Undetermined

# SECTION 4 FIRE AND EXPLOSION

FLASHPOINT: Not flammable FLAMMABLE LIMIT: Undetermined

AUTO IGNITION TEMP: NA

EXTINGUISHING MEDIA: CO<sub>2</sub>; Foam; Dry Chemical; Water Spray

SPECIAL FIRE FIGHTING PROCEDURES: NA

UNUSUAL FIRE AND EXPLOSION HAZARDS: Forms slippery mixture with water

# SECTION 5 REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): Stable

INCOMPATIBILITY (CONDITIONS TO AVOID): Strong Oxidizers & acids

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>2</sub>, smoke on combustion

PAGE 3 OF 4

#### **EXTREME SUPER-G GOLD**

# MATERIAL SAFETY DATA SHEET

SECTION 6 HEALTH HAZARDS

ROUTE OF ENTRY:

(XX) SKIN (XX) EYE CONTACT ( ) INHALATION (XX) INGESTION

SKIN CONTACT: Irritant. Can cause redness & irritation

EYE CONTACT: Severe irritant. Can cause redness & irritation

INHALATION: Unlikely. May cause upper respiratory tract

irritation

INGESTION: May cause nausea, diarrhea and/ or abdominal

cramps

SECTION 7 PREVENTATIVE MEASURES

SKIN PROTECTION: Chemically resistant gloves

EYE PROTECTION: Safety glasses

VENTILATION: General mechanical

RESPIRATORY PROTECTION: NIOSH approved organic respirator if ventilation

inadequate

LEAK & SPILL PROCEDURE: Small spills: soak up with absorbent material

Large spills: dike to contain spill to prevent water pollution. Water will cause extreme slipperiness

WASTE DISPOSAL: Incinerate/dispose of in accordance with local

disposal regulations

STORAGE REQUIREMENTS: Store in a cool, well-ventilated area

PAGE 4 OF 4

#### **EXTREME SUPER-G GOLD**

# MATERIAL SAFETY DATA SHEET

SECTION 8 FIRST AID MEASURES

SKIN: Immediately wash with soap & water for 5 mins.

Seek medical help if irritation develops/persists

EYE: Hold eyelids open & flush with a steady stream of

water for 15 mins. Seek medical attention

INHALATION: Unlikely. If respiratory irritation occurs, move to

fresh air. If symptoms continue, seek medical help

INGESTION: If conscious & alert, give 2 glasses water. Never

give unconscious person anything by mouth. Seek medical help; do not leave unconscious person

unattended. Do not induce vomiting

SECTION 9 PREPARATION DATE

DATE ISSUED: AUGUST 20, 1996
DATE REVISED: JANUARY 01, 2012

BY: PRODUCT SAFETY COMMITTEE

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Page: 1 Revision Date: 06/27/2008 Print Date: 7/1/2008

MSDS Number: R0091437

Version: 2.0

NAPA® PREM PERF GEAR OIL SAE 80W-90 GEAR OIL NP75213

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Ashland Regulatory Information Number 1-800-325-3751
P.O. Box 2219 Telephone 614-790-3333
Columbus, OH 43216 Emergency telephone 1-800-ASHLAND (1-800-274-5263)

Product name NAPA® PREM PERF GEAR OIL SAE 80W-90 GEAR

OIL

Product code NP75213
Product Use Description No data

# 2. HAZARDS IDENTIFICATION

# **Emergency Overview**

Appearance: liquid, amber

CAUTION! PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

#### **Potential Health Effects**

# Routes of exposure

Inhalation, Skin contact, Eye Contact, Ingestion

# Eye contact

Unlikely to cause eye irritation or injury.

#### Skin contact

Unlikely to cause skin irritation or injury. Prolonged or repeated contact may dry and crack the skin.

#### Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

#### Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this

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material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

#### **Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, Skin, lung (for example, asthma-like conditions)

#### **Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)

# **Target Organs**

No data

#### Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

#### Reproductive hazard

There are no data available for assessing risk to the fetus from maternal exposure to this material.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration
DISTILLATES (PETROLEUM),	64742-54-7	>=70-<80%
HYDROTREATED HEAVY PARAF		

# 4. FIRST AID MEASURES

#### Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

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#### Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

#### Ingestion

Do not induce vomiting. Give one glass of milk or water, and get medical attention immediately. If possible, do not leave victim unattended.

#### Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

### Notes to physician

Hazards: Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

Treatment: No information available.

# 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Dry chemical, Carbon dioxide (CO2), Foam, Water spray

# Hazardous combustion products

carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, Hydrocarbons

#### **Precautions for fire-fighting**

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase

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fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid.

# Flammability Class for Flammable Liquids

Combustible Liquid Class IIIB

# 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

#### **Environmental precautions**

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

#### Methods for cleaning up

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

### 7. HANDLING AND STORAGE

#### Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

#### Storage

Store in a cool, dry, ventilated area.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# **Exposure Guidelines**

#### General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

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#### Exposure controls

General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

#### Eye protection

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

# Skin and body protection

Wear resistant gloves (consult your safety equipment supplier). Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

#### Respiratory protection

Respiratory protection is not required under normal conditions of use.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state liquid
Form No data
Colour amber
Odour No data

Boiling point/boiling range 218.30 °C / 424.9 °F@ 760.00 mmHg

pH No data

Flash point (>)432 °F / 222 °C, Cleveland open cup

**Evaporation rate** > 1 (Ethyl Ether)

Explosion limitsNo dataVapour pressure0.10 mmHgVapour density(>) 1 (AIR=1)

**Density** 0.8916 g/cm3 @ 60.01 °F / 15.56 °C 7.28 lb/gal @ 60.1 °F / 15.6 °C

Solubility No data Partition coefficient: n- No data

octanol/water

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log Pow no data available

Autoignition temperature No data

# 10. STABILITY AND REACTIVITY

#### **Stability**

Stable

#### Conditions to avoid

None known.

# **Incompatible products**

Strong oxidizing agents

# Hazardous decomposition products

carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, Hydrocarbons

#### **Hazardous reactions**

Product will not undergo hazardous polymerization.

# Thermal decomposition

No data

# 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

ı	DISTILLATES (PETROLEUM),	LD 50 Rat: > 15 g/kg
ı	HYDROTREATED HEAVY PARAF	

Acute inhalation toxicity

DISTILLATES (PETROLEUM),	no data available
HYDROTREATED HEAVY PARAF	

Acute dermal toxicity

DISTILLATES (PETROLEUM),	LD 50 Rabbit: > 5 g/kg
HYDROTREATED HEAVY PARAF	

# 12. ECOLOGICAL INFORMATION

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# Aquatic toxicity

Acute and Prolonged Toxicity to Fish No data Acute Toxicity to Aquatic Invertebrates No data

#### **Environmental fate and pathways**

No data

#### 13. DISPOSAL CONSIDERATIONS

#### Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

# 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated above) may not reflect package size, quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

# 15. REGULATORY INFORMATION

#### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SARA Hazard Classification Acute Health Hazard

SARA 313 Component(s)

Reportable quantity - Components DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAF

64742-54-7

none

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	Health	Flammability	Reactivity	Other
HMIS	1	1	0	
NFPA	1	1	0	

# 16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

Effective June 2020

# MATERIAL SAFETY DATA SHEET



102 17910 – 55 Ave., Surrey, BC, Canada V3S 6C8 • Toll Free 1-866-535-6699 Tel: 604-575-6660 Fax: 604-575-5494 e-mail: extreme.ron@telus.net

#### EXTREME EXTRA HIGH YIELD GEL

# **EMERGENCY PHONE NO. (604) 575-6660**

PAGE 1 OF 4

# WHMIS HAZARD INDEX:

#### DEGREE OF HAZARD: HAZARD RATING:

HEALTH 1 0 LEAST
FIRE 0 1 SLIGHT
REACTIVITY 1 2 MODERATE
OTHER: B (GLASSES & GLOVES) 3 HIGH

#### SECTION 1

# PRODUCT IDENTIFICATION

**EXTREME** 

PRODUCT NAME: EXTREME EXTRA HIGH YIELD GEL

CHEMICAL IDENTIFICATION: Sodium Montmorillonite MATERIAL USE: Drilling Mud Additive

WHMIS CLASSIFICATION: D-2(A)

WORK PLACE HAZARD: Low concentrations of free silica in airborne dust.

Limited evidence as a Carcinogen from inhaled

crystalline silica.

# TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods

PACKAGE GROUP: Not Applicable CAS NUMBER: 1302-78-9 MSDS CODE: Not Applicable

### **SECTION 2**

# **HAZARDOUS INGREDIENTS**

INGREDIENT: Crystalline Silica (SiO<sub>2</sub>) Crystobalite Bentonite Dust Tridymite PERCENTAGE: See Below See Below See Below See Below 15468-32-3 CAS NUMBER: 14808-60-7 14469-46-1 1302-78-9 LD (50): Not Determined Not Determined N/D N/D LC (50): Not Determined Not Determined N/D N/D .05 mg/M<sup>3</sup> 5 mg/M<sup>3</sup> OSHA PEL: .1 mg/M<sup>3</sup> .05 mg/M<sup>3</sup> .05 mg/M<sup>3</sup> .1 mg/M<sup>3</sup> .05 mg/M<sup>3</sup> N/D ACGIH TVL:



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#### **EXTREME EXTRA HIGH YIELD GEL**

# MATERIAL SAFETY DATA SHEET

# SECTION 3 PHYSICAL DATA

APPEARANCE AND ODOUR: Bluegray to green as moist solid, light tan to gray

as dry powder. No odour.

DENSITY (SPECIFIC GRAVITY): 2.4 - 2.55
BOILING POINT: Not Applicable
MELTING POINT: Approx. 1450°C

SOLUBILITY: Insoluble, forms colloidal suspension.

EVAPORATION RATE: (EE=1): N/A
VAPOUR PRESSURE: (MM HG): N/A
VAPOUR DENSITY: (AIR = 1): N/A

# SECTION 4 FIRE AND EXPLOSION

FLASHPOINT: N/A
FLAMMABLE LIMIT: N/A
AUTO IGNITION TEMP: N/A

EXTINGUISHING MEDIA: None for product. Any media for packaging.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Product becomes slippery when wet.

# SECTION 5 REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): Stable INCOMPATIBILITY (CONDITIONS TO AVOID): None HAZARDOUS POLYMERIZATION: None HAZARDOUS DECOMPOSITION PRODUCTS: None

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#### EXTREME EXTRA HIGH YIELD GEL

# MATERIAL SAFETY DATA SHEET

SECTION 6 HEALTH HAZARDS

ROUTE OF ENTRY:

(X) SKIN (X) EYE CONTACT (X) INHALATION (X) INGESTION

SKIN CONTACT: Possible drying resulting in dermatitis.

EYE CONTACT: Mechanical Irritant

INHALATION: Acute (short term): Dust levels exceeding PEL

may cause irritation of upper respiratory tract. Chronic (long term): Exposure to dust levels higher than TLV may lead to silicosis or other

respiratory problems.

INGESTION: No adverse effects.

SECTION 7 PREVENTATIVE MEASURES

SKIN PROTECTION: Generally not necessary.

EYE PROTECTION: Goggles may be preferred if dusty conditions

develop.

VENTILATION: Mechanical, general room ventilation. Use local

ventilation to maintain REL's/TLV's.

RESPIRATORY PROTECTION: Use respirators approved by NIOSH/MSHA for

silica dust.

LEAK & SPILL PROCEDURE: Avoid breathing dust. Wear silica approved

respirator. Vacuum up to avoid generating dust. Avoid using water, product becomes slippery.

WASTE DISPOSAL: Dispose of in compliance with local and

government regulations.

STORAGE REQUIREMENTS: Store in dry area. Product becomes slippery when

wet.

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#### **EXTREME EXTRA HIGH YIELD GEL**

# MATERIAL SAFETY DATA SHEET

SECTION 8 FIRST AID MEASURES

SKIN: Wash with soap and water until clean. EYE: Flush with water until irritation ceases.

INHALATION: Move to dust free area. Inhalation may aggravate

existing respiratory illness. Seek medical attention

if symptoms persist.

INGESTION: No adverse effects from small quantities.

SECTION 9 PREPARATION DATE

DATE ISSUED: AUGUST 20, 1996
DATE REVISED: JANUARY 01, 2012

BY: PRODUCT SAFETY COMMITTEE

THE DATA REPRESENTED HEREIN IS BELIEVED ACCURATE AND REFLECTS OUR BEST PROFESSIONAL JUDGMENT. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF SUCH DATA, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THAT ANY SUCH USE DOES NOT INFRINGE ANY PATENT. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS OF USE BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF SUCH APPLICATION. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.

Conforms to HazCom 2012/United States

# SAFETY DATA SHEET

# Lucas Extreme Duty Gun Grease



# Section 1. Identification

GHS product identifier

: Lucas Extreme Duty Gun Grease

Other means of identification : Not available.

Product number

: 10889, 10919

Identified uses
Not available.

Supplier's details

 Lucas Oil Products, Inc 302 North Sheridan Street Corona, California 92880-2067

Toll Free: (800) 342-2512
Tel: (951) 270-0154
Fax: (951) 270-1902
Website: www.LucasOil.com

Emergency telephone number (with hours of operation) : (951) 493-1149 (951) 847-5949 Markn@lucasoil.com

7:00A.M. to 5:00P.M. Monday thru Friday

# Section 2. Hazards identification

OSHA/HCS status

: This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the

substance or mixture

: SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

**GHS label elements** 

Hazard pictograms



Signal word

: Warning

**Hazard statements** 

Causes serious eye irritation.
 Causes skin irritation.

Precautionary statements

General

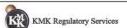
: Read label before use. Keep out of reach of children. If medical advice is needed,

have product container or label at hand.

Prevention

: Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after

handling.



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Lucas Extreme Duty Gun Grease

# Section 2. Hazards identification

Response

: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise : None known.

classified

# Section 3. Composition/information on ingredients

Substance/mixture Other means of identification : Mixture : Not available.

#### CAS number/other identifiers

CAS number : Not applicable.

Product code :

Ingredient name	%	CAS number
Antimony, dialkyl dithiocarbamate Butene, homopolymer Lithium hydroxide, monohydrate	5 - 10 1 - 5 1 - 5	15890-25-2 9003-29-6 1310-66-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures

# Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact

: Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.



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# Section 4. First aid measures

#### Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may

be delayed following exposure.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

#### Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : No known significant effects or critical hazards.

Skin contact : Adverse symptoms may include the following:

irritation redness

Ingestion : No known significant effects or critical hazards.

## Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may

be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

# Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

......

Unsuitable extinguishing

media

: None known.

Specific hazards arising from the chemical

: No specific fire or explosion hazard.



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# Section 5. Fire-fighting measures

Hazardous thermal decomposition products

 Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides Sulfur oxides metal oxide/oxides

Special protective actions for fire-fighters

: No special measures are required.

Special protective equipment for fire-fighters  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-

emergency personnel".

**Environmental precautions** 

 Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

# Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.



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# Section 7. Handling and storage

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# Section 8. Exposure controls/personal protection

#### Control parameters

Occupational exposure limits

Ingredient name	Exposure limits	
Antimony, dialkyl dithiocarbamate	ACGIH TLV (United States, 6/2013).  TWA: 0.5 mg/m³, (as Sb) 8 hours.  OSHA PEL (United States, 2/2013).  TWA: 0.5 mg/m³, (as Sb) 8 hours.  NIOSH REL (United States, 4/2013).  TWA: 0.5 mg/m³, (as Sb) 10 hours.	

#### Appropriate engineering controls

**Environmental exposure** controls

- : Good general ventilation should be sufficient to control worker exposure to airborne
- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection
- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

# Skin protection

Hand protection

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- **Body protection**
- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.



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# Section 9. Physical and chemical properties

**Appearance** 

**Physical state** : Liquid. [Grease.]

Color : Blue. Odor : Grape. Odor threshold : Not available. pH : Not available. **Melting point** : Not available. **Boiling point** : Not available.

Flash point : Closed cup: >200°C (>392°F)

**Evaporation rate** : Not available. : Not available. Flammability (solid, gas) Lower and upper explosive : Not available.

(flammable) limits Vapor pressure

Vapor density

Relative density Solubility Partition coefficient: n-

: Negligible. : Not available.

: Not available.

: >1 [Air = 1]

: 0.92

octanol/water

: Not available. Auto-ignition temperature Decomposition temperature : Not available. : Not available. Viscosity

# Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : High temperatures, sparks, or open flames.

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition

products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

# Information on toxicological effects

# **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Antimony, dialkyl dithiocarbamate	LD50 Dermal LD50 Oral	Rabbit Rat	16000 mg/kg 16400 mg/kg	





# Section 11. Toxicological information

### Irritation/Corrosion

There is no data available.

#### Sensitization

There is no data available.

### Carcinogenicity

There is no data available.

### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

### Aspiration hazard

Name	Result
Butene, homopolymer	ASPIRATION HAZARD - Category 1

Information on the likely

: Dermal contact. Eye contact. Inhalation. Ingestion.

# routes of exposure Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may

be delayed following exposure.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : No known significant effects or critical hazards.

Skin contact : Adverse symptoms may include the following:

irritation

redness

Ingestion : No known significant effects or critical hazards.

# Delayed and immediate effects and also chronic effects from short and long term exposure

### Short term exposure

Potential immediate : No known significant effects or critical hazards.

effects

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate : No known significant effects or critical hazards.

effects

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.



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# Section 11. Toxicological information

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

No known significant effects or critical hazards.

## Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	16835 mg/kg

# Section 12. Ecological information

#### Toxicity

There is no data available.

#### Persistence and degradability

There is no data available.

### Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Butene, homopolymer	7.6 to 7.8	314 to 1882	high

# Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

#### Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

# Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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# Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name			
Transport hazard class(es)	-	7	-
Packing group	7.	71	
Environmental hazards	No.	No.	No.
Additional information	-	<u>1</u>	-

AERG: Not applicable.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

Transport in bulk according: Not available. to Annex II of MARPOL 73/78 and the IBC Code

# Section 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 307: Antimony, dialkyl dithiocarbamate

Clean Air Act Section 112 : Listed

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602

Class | Substances

: Not listed

Clean Air Act Section 602 Class II Substances

: Not listed

**DEA List I Chemicals** 

: Not listed

(Precursor Chemicals) **DEA List II Chemicals** 

: Not listed

(Essential Chemicals) SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.



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# Section 15. Regulatory information

#### SARA 311/312

Classification : Immediate (acute) health hazard

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Butene, homopolymer	1 - 5	No.	No.	No.	Yes.	No.
Lithium hydroxide, monohydrate	1 - 5	No.	No.	No.	Yes.	No.

### **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	Antimony, dialkyl dithiocarbamate	15890-25-2	5 - 10
Supplier notification	Antimony, dialkyl dithiocarbamate	15890-25-2	5 - 10

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

#### State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : The following components are listed: Distillates (petroleum), hydrotreated heavy naphthenic; Distillates (petroleum), solvent-refined heavy paraffinic; Antimony, dialkyl

dithiocarbamate; Lithium hydroxide, monohydrate

Pennsylvania : The following components are listed: Antimony, dialkyl dithiocarbamate

California Prop. 65

No products were found.

# Section 16. Other information

# Hazardous Material Information System (U.S.A.)

Health: 2 \* Flammability: 1 Physical hazards: 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

#### National Fire Protection Association (U.S.A.)

Health: 2 Flammability: 1 Instability: 0

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

#### History

Date of issue mm/dd/yyyy : 02/15/2015



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# Section 16. Other information

Version :

Revised Section(s) : Not applicable.

Prepared by : KMK Regulatory Services Inc.

Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,

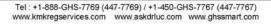
1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.





# **Appendix C: Fuel Inspection Records**

# Aston Bay Property Daily Fuel Inspection Record

Date	Main Cache	Generator Shack	Refueling Station	Tent Drums	Drill Site	Insta-Berm	Bungs & Rims	Corrosion	Hoses/Valves/Fittings	Spill Kit/Fire Extinguisher	Signs	Comments
Example 25 July, 2025	x					no tears, damage, or leaks; rain drain functioning properly	all bungs and rims sealed properly; no leaks detected	minor corrosion on diesel drums of batch B - should be used before batch C	all fuel transfer equipment functioning properly; no leakage detected	spill kit is fully stocked; fire extinguisher inspection up to date	all signs are posted and undamaged	Example
						_						
							=					

Effective June 2020

# Aston Bay Property Weekly Fuel Inspection Record

Date	Main Cache	Generator Shack	Refueling Station	Tent Drums	Drill Site	Insta-Berm	Bungs & Rims	Corrosion	Hoses/Valves/Fittings	Spill Kit/Fire Extinguisher	Signs	Comments
	x					no tears, damage, or leaks; rain drain functioning properly	all bungs and rims sealed properly; no leaks detected	minor corrosion on diesel drums of batch B - should be used before batch C	all fuel transfer equipment functioning properly; no leakage detected	spill kit is fully stocked; fire extinguisher inspection up to date	all signs are posted and undamaged	Example
						·						

# **Appendix D: NT-NU Spill Report Form**



Effective June 2020



OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca

RF	PO	RTI	INE	LISE	ONI	V

										THE OUT LINE OUT ONE
Α	REPORT DATE: MONTH - DAY	Y-YEAR		REPORTT	IME		OR	ORIGINAL SPILL REF	PORT,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH	H – DAY – YEAR		OCCURRE	NCE	TIME		UPDATE # THE ORIGINAL SPIL	L REPORT	
С	LAND USE PERMIT NUMBER	(IF APPLICABLE)		1	WAT	ER LICENCE NUM	MBER (IF	APPLICABLE)		
D	GEOGRAPHIC PLACE NAME	OR DISTANCE AND DIRE	CTION FROM NAMED LO	OCATION		REGION	NAVUT	☐ ADJACENT JUI	RISDICTION	I OR OCEAN
_	LATITUDE			ı	10000	GITUDE	ago de agrico.			
Е	DEGREES	MINUTES	SECONDS	ι	DEG	REES		MINUTES		ECONDS
F	RESPONSIBLE PARTY OR VE	SSEL NAME	RESPONSIBLE F	PARTY ADD	RES	S OR OFFICE LO	OCATION			
G	ANY CONTRACTOR INVOLVE	D	CONTRACTOR A	ADDRESS (	OR C	OFFICE LOCATION	N			
1.1	PRODUCT SPILLED		QUANTITY IN LIT	FRES, KILO	)GR	AMS OR CUBIC N	METRES	U.N. NUMBER		
Н	SECOND PRODUCT SPILLED	(IF APPLICABLE)	QUANTITY IN LIT	TRES, KILO	)GR	AMS OR CUBIC N	METRES	U.N. NUMBER		
l	SPILL SOURCE		SPILL CAUSE					AREA OF CONTAM	INATION IN	SOUARE METRES
J	FACTORS AFFECTING SPILL	OR RECOVERY	DESCRIBE ANY	ASSISTAN	CE F	REQUIRED		HAZARDS TO PER	SONS, PRO	PERTY OR ENVIRONMENT
K										
L	REPORTED TO SPILL LINE BY	Y POSITION		EMPLOYE	R		LO	CATION CALLING FR	MO	TELEPHONE
M	ANY ALTERNATE CONTACT	POSITION		EMPLOYE	R		1551.70	TERNATE CONTACT		ALTERNATE TELEPHONE
$\overline{}$		- K	REPORT LINE	E USE ON	LY		LO	SON IVIN		
200	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYE	700011		LO	CATION CALLED		REPORT LINE NUMBER
N	200 A	STATION OPERAT	OR				YE	LLOWKNIFE, NT		(867) 920-8130
LEAD	AGENCY DEC DCCG D	GNWT □GN □ILA □	INAC □ NEB □TC	SIGNIF	FICA	NCE   MINOR	□ MAJOF	R □ UNKNOWN	FILE STAT	US □ OPEN □ CLOSED
AGE	NCY		CONTA	ACT	TIME		REMARKS			
LEAD	AGENCY									
FIRS	T SUPPORT AGENCY									
SEC	OND SUPPORT AGENCY									
THIR	D SUPPORT AGENCY									

PAGE 1 OF



# Instructions for Completing the NT-NU Spill Report Form

This form can be filled out electronically and e-mailed as an attachment to spills@gov.nt.ca. Until further notice, please verify receipt of e-mail transmissions with a follow-up telephone call to the spill line. Forms can also be printed and faxed to the spill line at 867-873-6924. Spills can still be phoned in by calling collect at 867-920-8130.

A. Report Date/Time	The actual date and time that the spill was reported to the spill line. If the spill is phoned in, the Spill Line will fill this out. Please do not fill in the Report Number: the spill line will assign a number after the spill is reported.
B. Occurrence Date/Time	Indicate, to the best of your knowledge, the exact date and time that the spill occurred. Not to be confused with the report date and time (see above).
C. Land Use Permit Number /Water Licence Number	This only needs to be filled in if the activity has been licenced by the Nunavut Water Board and/or if a Land Use Permit has been issued. Applies primarily to mines and mineral exploration sites.
D. Geographic Place Name	In most cases, this will be the name of the city or town in which the spill occurred. For remote locations – outside of human habitations – identify the most prominent geographic feature, such as a lake or mountain and/or the distance and direction from the nearest population center. You must include the geographic coordinates (Refer to Section E).
E. Geographic Coordinates	This only needs to be filled out if the spill occurred outside of an established community such as a mine site. Please note that the location should be stated in degrees, minutes and seconds of Latitude and Longitude.
F. Responsible Party Or Vessel Name	This is the person who was in management/control/ownership of the substance at the time that it was spilled. In the case of a spill from a ship/vessel, include the name of the ship/vessel. Please include full address, telephone number and email. Use box K if there is insufficient space. Please note that, the owner of the spilled substance is ultimately responsible for any spills of that substance, regardless of who may have actually caused the spill.
G. Contractor involved?	Were there any other parties/contractors involved? An example would be a construction company who is undertaking work on behalf of the owner of the spilled substance and who may have contributed to, or directly caused the spill and/or is responding to the spill.
H. Product Spilled	Identify the product spilled; most commonly, it is gasoline, diesel fuel or sewage. For other substances, avoid trade names. Wherever possible, use the chemical name of the substance and further, identify the product using the four digit UN number (eg: UN1203 for gasoline; UN1202 for diesel fuel; UN1863 for Jet A & B)
I. Spill Source	Identify the source of the spill: truck, ship, home heating fuel tank and, if known, the cause (eg: fuel tank overfill, leaking tank; ship ran aground; traffic accident, vandalism, storm, etc.). Provide an estimate of the extent of the contaminated/impacted area (eg: 10 m²)
J. Factors Affecting Spill	Any factors which might make it difficult to clean up the spill: rough terrain, bad weather, remote location, lack of equipment. Do you require advice and/or assistance with the cleanup operation? Identify any hazards to persons, property or environment: for example, a gasoline spill beside a daycare centre would pose a safety hazard to children. Use box K if there is insufficient space.
K. Additional Information	Provide any additional, pertinent details about the spill, such as any peculiar/unique hazards associated with the spilled material. State what action is being taken towards cleaning up the spill; disposal of spilled material; notification of affected parties. If necessary, append additional sheets to the spill report. Number the pages in the same format found in the lower right hand corner of the spill form: eg. "Page 1 of 2", "Page 2 of 2" etc. Please number the pages to ensure that recipients can be certain that they received all pertinent documents. If only the spill report form was filled out, number the form as "Page 1 of 1".
L. Reported to Spill Line by	Include your full name, employer, contact number and the location from which you are reporting the spill. Use box K if there is insufficient space.
M. Alternate Contact	Identify any alternate contacts. This information assists regulatory agencies to obtain additional information if they cannot reach the individual who reported the spill.
N. Report Line Use Only	Leave Blank. This box is for the Spill Line's use only.

