



A-40X Demulsifier Safety Data Sheet

Section 01 - Product and company identification

Identification of the Company: Prairie Mud Service
738 6th Street
Estevan, SK
S4A 1A4
306-634-3411
Emergency Phone number: 306-634-3411
Trade name: PHASETREAT 40
Material number: 280755
Chemical family: Mixture Demulsifier
Primary product use: De-emulsifier

Section 02 - Hazards identification

Classification:

WHMIS controlled: yes
Class: B2
D2A
D2B

Flammable

Causes eye, skin, and respiratory tract irritation. May be harmful if swallowed or if inhaled.
May be harmful if absorbed through skin.

MAY CAUSE BIRTH DEFECTS BASED ON ANIMAL DATA



Health effects of exposure:

Flammable. Toxic by ingestion. Harmful by inhalation and skin contact. Eye and skin contact will cause burns. Inhalation of spray or mists will cause burns to the respiratory tract. May result in permanent damage. May affect fetal development.

Diesel is expected to show evidence of skin carcinogenic activity based on mutagenic and / or analytical data. Possible risk of irreversible effects.

Xylene (o,m,p- isomers): are reported as teratogenic and reproductive effectors in rodents. The substance is toxic to blood, kidneys, the nervous system, liver. Repeated or prolonged exposure can cause cumulative effects in target organs. Inhalation of high concentrations may cause irritation of the nose and throat and signs of nervous system depression (headache, fatigue, dizziness and drowsiness).

Solvent naphtha (petroleum), heavy aromatics: harmful by ingestion, inhalation and skin contact. If swallowed, aspiration into the lungs may cause severe pulmonary injury. Inhalation of vapours or mists can cause irritation of the respiratory tract, nausea, headaches, dizziness and other central nervous system effects. Eye contact may cause severe irritation and possible damage. Skin contact may cause irritation which can be severe. Prolonged or repeated skin contact may cause dermatitis and sensitization.

Naphthalene: investigated as a tumorigen, mutagen and reproductive effector. IARC group 2b carcinogen.

Listed carcinogen:

NTP - National Toxicology Program Report:
Listed OSHA Specifically Regulated

Chemicals/Carcinogens: Not listed
International Agency for Research on Cancer
(IARC) - Overall Evaluations of Carcinogenicity
to Humans.: Listed



Section 03 - Composition/information on ingredients

Hazardous ingredients:

Component	CAS number	Concentration
Fuels diesel	68334-30-5	7 - 13 %
Ethylbenzene	100-41-4	10 - 30 %
Xylene	1330-20-7	30 - 60 %
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1 %
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	64742-94-5	5 - 10 %
Naphthalene	91-20-3	0.1 - 1 %

Component toxicity information:

Xylene (1330-20-7)

Acute oral toxicity: LD50 4,300 mg/kg (Rat)

1,2,4-Trimethylbenzene (95-63-6)

Acute inhalation toxicity: LC50 18 mg/l (4 h, Rat)

Naphthalene (91-20-3)

Acute oral toxicity: LD50 533 - 710 mg/kg (Rat)

Source: literature

Acute oral toxicity: LD50 1,250 mg/kg (Rat)

Acute inhalation toxicity: LC50 > 0.4 mg/l (4 h, Rat)

Source: European Chemicals Agency (ECHA)

Acute dermal toxicity: LD50 > 16,000 mg/kg (Rat)

Source: European Chemicals Agency (ECHA)

Section 04 - First aid measures

After inhalation:

- Move the victim to fresh air.
- Give oxygen or artificial respiration if needed.
- Get immediate medical advice/ attention.
- Never give anything by mouth to an unconscious person.

After contact with skin:

- Remove contaminated clothing and wash affected areas with soap and plenty of water for at least 15 minutes. If redness or skin irritation occurs, seek medical attention.

After contact with eyes:

- Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

After ingestion:

- If swallowed, DO NOT induce vomiting.
- Get immediate medical advice/ attention.

Advice to doctor / Treatment:

- None known.

Section 05 - Fire fighting measures

Flashpoint: 30.5 °C
Method: Pensky-Martens closed cup

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Cool containers/tanks with water spray.

Hazardous combustion products:

- Burning produces noxious and toxic fumes.
- Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.



Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:

Wear prescribed protective equipment. Eliminate all ignition sources. Contain spill. Use explosion-proof equipment to ventilate the area and to pump the spill into appropriate containers. Smaller spill may be recovered by using an inert absorbent. May cover the spill with appropriate foam to hinder the formation of explosive vapors. Wash the spill area.

Section 07 - Handling and storage

Advice on safe handling:

Keep away from heat, sparks and open flames. - Avoid breathing vapors or contact with skin, eyes, and clothing- Use only with adequate ventilation and proper protective eyewear, face shield, gloves and clothing. Wash thoroughly after handling. Keep container closed.

Further info on storage conditions:

Keep containers tightly closed in a cool, well-ventilated place.
Handle and open container with care.
Do not store at temperature exceeding 30 °C

Section 08 - Exposure controls / personal protection

Occupational exposure limits:

Component	CAS number	Regulatory list	Type of value	Value 1	Value 2
Naphthalene	91-20-3	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	10 ppm	
Naphthalene	91-20-3	USA. ACGIH Threshold Limit	Short-term exposure limit	15 ppm	

		Values (TLV)			
Diesel fuel	68334-30-5	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average		100 mg/m3
Xylene (o, m & p isomers)	1330-20-7	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	100 ppm	
Xylene (o, m & p isomers)	1330-20-7	USA. ACGIH Threshold Limit Values (TLV)	Short-term exposure limit	150 ppm	

Respiratory protection:

Wear an approved respirator when exposed to vapours or to mists beyond the TLV. Use appropriate filters. Do not exceed filters limitations. TLV = Threshold Limit Value

Hand protection:

Butyl Rubber, PVC or Neoprene

Eye protection:

Safety goggles
Face-shield

Other protective equipment: Avoid skin contact.

Wear suitable protective clothing.

Advice on system design:

Local ventilation recommended - mechanical ventilation may be used.

Section 09 - Physical and chemical properties

Form: Liquid

Color: Clear, amber

Odor: aromatic

Solubility in water: insoluble



Density: 0.88 - 0.92 g/cm³ (25 °C)
Freezing point: -35 °C

Section 10 - Stability and reactivity

Hazardous Polymerization: Hazardous polymerisation does not occur.
Incompatibility with (Conditions to avoid): Keep away from heat.
Keep away from open flames, hot surfaces and sources of ignition.

Section 11 - Toxicological information

Skin irritation: irritating
The product has not been tested. The information is derived from the properties of the individual components.
Eye irritation: irritating
The product has not been tested. The information is derived from the properties of the individual components.
Sensitization: non-sensitizing
The product has not been tested. The information is derived from the properties of the individual components.

Section 12 - Ecological information

Product information:

Remarks:

The product should not be allowed to enter drains, water courses or the soil.

Component information:

Naphthalene (91-20-3)

Biodegradation: ca. 0 % (28 d, BOD in % of theoretical OD)
Not biodegradable.
Method: OECD 302 C
Source: literature

Biodegradation: 99.9 % (15 d, BOD in % of theoretical OD)
Readily biodegradable.
Method: Other
Source: literature

Fish toxicity: LC50 1.6 mg/l (96 h, *Oncorhynchus mykiss* (rainbow trout))
Method: OECD Test Guideline 203
Source: literature

Daphnia toxicity: EC50 2.16 mg/l (48 h, *Daphnia magna* (Water flea))
Method: OECD Test Guideline 202
Source: literature
The details of the toxic effect relate to the nominal concentration.

Algae toxicity: NOEC (Growth rate) \geq 16 mg/l (8 d, *Lemna gibba* G3)
Method: Other
Source: literature

Bacteria toxicity: IC50 29 mg/l (24 h, *Nitrosomonas* sp.)
Method: Other
Source: literature
The details of the toxic effect relate to the nominal concentration.

Remarks: Do not allow to enter ground water, waterways or waste water.

Section 13 - Disposal considerations

Waste disposal information:

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.



Section 14 - Transport information

TDG

Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN/ID number: UN 1993
Primary risk: 3
Remarks: Shipment permitted
Hazard inducer(s): Xylene
Ethylbenzene

IATA

Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN/ID number: UN 1993
Primary risk: 3
Remarks: Shipment permitted
Hazard inducer(s): Xylene
Ethylbenzene

IMDG

Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN no.: UN 1993
Primary risk: 3
Hazard inducer(s): Xylene
Ethylbenzene
Em S: F- E S- E

Section 15 - Regulatory information

Registration status

DSL: yes
NDSL: no
All components of the product are listed on the DSL/Canada.

CEPA

Listed as toxic substance: Not listed
Listed as priority substance: Listed

NPRI

Listed

TSCA Status:

All components of this product are listed on the TSCA Inventory.

FDA:

Permitted for Use per
Section: NONE

Section 16 - Other information

Revised: May1, 2019

The information contained on this SDS is to the best of our knowledge an accurate summary of the data available as of the date of preparation. Prairie Mud Service is not liable for the application or use of this information in situations beyond its control or outside the normal and expected use of its product. Prairie Mud Service. assumes no responsibility for damage or injury from the use of the product described herein.