

Substance key: 000000463011  
 Version : 1 - 1 / CDN

Revision Date: 11/28/2017  
 Date of printing :12/03/2017

**WHMIS controlled:** yes  
**Class:** B2  
 D2A  
 D2B

**Section 01 - Product and company identification**

|  |   |
|--|---|
| <b>Identification of the company:</b>            | Clariant (Canada) Inc.<br>2 Lone Oak Court<br>Toronto, Ontario M9C 5R9, |
| <b>Information of the substance/preparation:</b> | ESHA- Phone (514) 832 2559  |
| <b>Emergency Phone Number:</b>                   | 306-634-3411  |

**Trade name:** PHASETREAT 40  
**Material number:** 280755  
**Chemical family:** Mixture  
 Demulsifier  
**Primary product use:** De-emulsifier

**Section 02 - Hazards identification**

**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 naphta (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

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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),<br>heavy arom.; Kerosine -<br>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.

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**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  |         |

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|                              |            | Values (TLV)                                  |                                      |         |                       |
|------------------------------|------------|---|--------------------------------------|---------|-----------------------|
| Diesel fuel                  | 68334-30-5 | USA. ACGIH<br>Threshold Limit<br>Values (TLV) | 8-hour, time-<br>weighted<br>average |         | 100 mg/m <sup>3</sup> |
| Xylene (o, m & p<br>isomers) | 1330-20-7  | USA. ACGIH<br>Threshold Limit<br>Values (TLV) | 8-hour, time-<br>weighted<br>average | 100 ppm |                       |
| Xylene (o, m & p<br>isomers) | 1330-20-7  | USA. ACGIH<br>Threshold Limit<br>Values (TLV) | Short-term<br>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/cm<sup>3</sup> (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.

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**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

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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  
E m 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

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## WHMIS



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**

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