

# Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System Date of Revision: 09/19/2019 Revision: 02

## **Section 1 - Chemical Product and Company Identification**

- 1.1 Product Name: SEF 40:1 2 Cycle
- 1.2 VP Racing Fuels, Inc., 7124 Richter Road, Elmendorf, TX 78112, 210.635.7744
- 1.3 Recommended Use: Small Engine Fuel
- 1.4 RESTRICTIONS on USE THIS PRODUCT IS FOR SMALL 2 CYCLE GASOLINE ENGINE USE ONLY!
- 1.5 Emergency Response Number: CHEMTREC 800-424-9300

International Emergency Telephone Number: +1-703-527-3887

1.6 See Section 16.3 for CHEMTREC in Country Emergency Number

### **Section 2 - Hazards Identification**

**Hazard Categories** 

# 2.1 GHS HAZARD

**Hazard Classes** 

Highly Flammable liquid/vapor	Category 2
<b>Specific Target Organs toxicity single exposure</b>	Category 3
Specific Target Organs repeated exposure	Category 2
Eye Irritation	Category 2A
Skin Irritation	Category 2
Acute Toxicity Oral	Category 4
Acute Toxicity Inhalation	Category 4
Mutagenicity	Category 1B
Carcinogen	Category 1B
Reproductive Toxicity	Category 2
Aspiration Hazard	Category 1
Toxic to Aquatic Life Long Lasting Effects	Category 2

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## 2.2 Signal Word: Danger



# 2.4 Hazard Statements

PHYSICAL HAZARDS: H225: Highly flammable liquid and vapor.

HEALTH HAZARDS: H302: harmful if swallowed.

H304: May be fatal if swallowed and enter the

airway.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

H340: May cause genetic defects.

H350: May cause cancer.

H361: Suspected of damaging fertility or the

unborn child.

H373: May causes damage to organs through

prolonged or repeated exposure.

ENVIRONMENTAL HAZARDS: H411: Toxic to aquatic life with long-lasting

effects.

PRECAUTIONARY STATEMENTS: P102: Keep out of reach of children.

P201: Obtain special instructions before use.

**READ SDS BEFORE USE.** 

P202: Do not handle until all safety precautions have

been read and understood.

P210: Keep away from sparks and open flames-

No smoking.

P240: Ground or bond container and receiving

equipment.

P241: Use explosion-proof equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against

static discharge.

P260: Do not breathe mist.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink, or smoke when using

this product.

P271: Use only outdoors or in a well ventilated

area.

P273: Avoid release to the environment.

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System

P280: Wear protective gloves, clothing, and eye protection.

**RESPONSE STATEMENTS:** 

P301 +P310+ P331: IF SWALLOWED: <u>USA</u> Immediately call the National POISON CENTER at 800-222-1222. <u>OUTSIDE USA</u> Immediately call poison center or doctor.DO NOT induce vomiting.

P303+P361+P353: IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED. Remove to fresh air and keep comfortable for breathing.

P305+P351: IF IN EYES: Rinse cautiously with

water for at least 15 minutes.

P308+P313: If exposed or concerned, get

medical attention.

P362+P364: IF ON CLOTHING, take off

contaminated clothing and wash it before reuse

P313+P332+P337: If skin or eye irritation

persists get medical attention

H314: Get medical attention if you feel unwell. P370: In case of fire use foam, carbon dioxide,

dry chemicals to extinguish fire.

P391: Collect spillage.

STORAGE STATEMENTS: P403+P235: Store in a well-ventilated place.

Keep cool.

P405: Store locked up.

DISPOSAL STATEMENTS: P501: Dispose of content and/or container in

accordance with local, regional, national or

international regulations

**2.5** Hazards not otherwise classified (HNOC) or not covered by GHS: Repeated exposure may cause skin dryness or cracking.

# **Section 3 - Composition / Information on Ingredients**

### 3.1

CAS#	EC#	Chemical Names	Percent	GHS Classification
Blend		Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	97-98%	None
Proprietary	Proprietary	Synthetic 2 Cycle Oil	2 - 3%	Asp. Tox. 1 H304

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System

3.2 Hydrocarbon Blend

Chemical Names	CAS#	EC#	GHS Classification
1,1,2-Trimethylethane	78-78-4	201-142-8	Flam. Liq. 1 H224, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central nervous Sys Inhalation H336, Aquatic Chronic 2 H411
Phenylmethane	108-88-3	203-625-9	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central nervous Sys Inhalation H336, Repr. 2 H361, STOT RE 2 Central nervous sys H373
Alkylate Full Range	64741-64-6	265-066-7	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central Nervous Sys. Inhalation H336, Muta. 1B H340, Carc. 1B H350, Aquatic Chronic 2 H411
Hydrotreated light distillate	64742-47-8	265-149-8	Asp. Tox. 1 H304

**3.3** Trade Secret Provision and Chemical Concentration Disclosure: Per OSHA and GHS Regulations, we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a blend and apply to the hazards as identified in this Safety Data Sheet.

### **Section 4 - First Aid Measures**

**4.1 Eye:** Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**4.2 Skin:** Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and dermatitis.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

**4.3 Ingestion:** Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonia, pulmonary edema, and even death.

**Ingestion:** Do NOT induce vomiting. Get medical aid immediately.

**4.4 Inhalation:** Prolonged breathing of high vapor concentrations can produce headaches, dizziness, nausea, and impaired vision. Extreme overexposure can cause central nervous system depression, loss of consciousness, liver damage and death resulting from respiratory failure.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

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- **4.5** After first aid, get appropriate paramedic, or community medical support. The severity of outcome following exposure may be more related to the time between the exposure and treatment, rather than the amount of the exposure. Therefore, there is a need for rapid treatment of any exposure.
- 4.6 Note to Physicians: If you determine that a medical emergency exists, and the specific chemical identity is necessary for emergency or first-aid treatment, we will immediately disclose the specific chemical identity. Call CHEMTREC 800-424-9300 or +1-703-527-3887. We will require a written statement of need and confidentiality agreement, per OSHA's Trade Secret Regulations as soon as circumstances permit. In non-emergency situations, we will upon written request disclose a specific chemical identity.

## **Section 5 - Fire-Fighting Measures**

- 5.1 General Fire Hazards: Use water to cool containers exposed to fire.
- **5.2 Hazardous Combustion Products:** Avoid fumes of burning products.
- **5.3 Extinguishing Media:** Carbon dioxide, dry chemical, foam.
- **5.4** Fire Fighting Equipment/Instructions: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

### **Section 6 - Accidental Release Measures**

- **6.1 Spill /Leak Procedures:** Ventilate area highly flammable. Spillages of the liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition away from the spill.
- **6.2 Spills:** Avoid direct contact with the material. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers or waterways. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a container for disposal.

# **Section 7 - Handling and Storage**

- **7.1 Handling Precautions:** Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid ingestion and contact with eyes, skin, or clothing. Keep container tightly closed. Avoid inhalation.
- **7.2 Storage Requirements:** Store in a tightly closed container in a cool, dry, and well-ventilated area.

# **Section 8 - Exposure Controls / Personal Protection**

#### 8.1

<b>Chemical Names</b>	ACGIH- TLV	OSHA - PEL	
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	20 - 300 ppm TWA	20- 300 ppm TWA	
Synthetic 2 Cycle Oil	5 mg/m3 TWA	5 mg/m3 TWA	

8.2.

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

NOTE: TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour workweek which shall not be exceeded.

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- **8.3 Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
- **8.4 Contaminated Equipment:** Separate contaminated work clothes from street clothes and launder before reuse.

Remove this material from your shoes and clean personal protective equipment.

### 8.5 Personal protective equipment

### **8.5.1** Respiratory protection

Where risk assessment shows, air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied-air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### 8.5.2 Hand protection

Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011** or European EN374 Standard.

Full contact: Viton Splash contact: Viton

Registered trademark of The Chemours Company FC, LLC.

#### 8.5.3 Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### 8.5.4 Skin and body protection

Impervious clothing, flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

### 8.6 Protective Clothing Pictograms









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## **Section 9 - Physical and Chemical Properties**

9.1

Physical State: Liquid Appearance: Red

Odor: Aromatic Hydrocarbon Odor Vapor Pressure: Not Available Vapor Density (Air=1): >1 Specific Gravity (H2O=1,): 0.726 Relative Density: Not Available Odor Threshold: Not Available

Flammability (solid, gas): Not applicable.

**Evaporation rate:** Not Available

Partition coefficient octanol/water: Not

Available

Water Solubility: Insoluble

**Melting point/freezing point:** Not Available **Flash Point:** -31.9°F (-35.5°C) close cup **Boiling Point / Range:** 97.7 – 402.1°F

 $(36.5 - 205.6^{\circ}C)$ 

Lower Explosive Limits (vol % in air): 1% Upper Explosive Limits (vol % in air): 8% Viscosity: <20.5mm2/s @104°F 40°C Auto ignition Temperature: Not Available Decomposition temperature: Not Available

pH: None

## **Section 10 - Stability and Reactivity**

**10.1 Stability:** Stable under ordinary conditions of use and storage.

**10.2 Polymerization:** Hazardous polymerization has not been reported.

**10.3** Chemical Incompatibilities: Strong oxidizing agents.

**10.4** Hazardous Decomposition Products: Combustion produces carbon monoxide and carbon dioxide.

**10.5** Conditions to Avoid: Avoid heat, sparks open flames, and other ignition sources.

# **Section 11- Toxicological Information**

11.1

Acute Toxicity Estimate for this blend (ATE)

ATE (Oral): 1666 mg/kg ATE (Dermal): 2500 mg/kg

ATE (Inhalation vapor/mist): 5.9 mg/l mist

- **11.1.1** OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Harmful Oral Toxicity.
- **11.1.2** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Dermal Toxicity.
- **11.1.3** OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Harmful Inhalation Toxicity.
- **11.2** Route of Entry: Inhalation, Ingestion, Absorption, Skin, and/or Eye Contact.
- **11.3 Aspiration Hazard:** European Chemical Agency Data Base shows that components of this product may be fatal if swallowed and enters airways.
- **11.4 Mutagenicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause genetic defects.

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- **11.5** Skin Corrosion/Irritation: OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause skin irritation. Repeated exposure may cause skin dryness or cracking.
- **11.6 Serious Eye Damage/Irritation:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause serious eye irritation.
- **11.7 Reproductive toxicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause damage to fertility or the unborn child.
- **11.8 Skin Sensitization** OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause skin sensitivity.
- **11.9 Respiratory Sensitization** OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause respiratory sensitivity.
- **11.10** Specific Target Organ Toxicity (Single Exposure): European Chemical Agency Data Base shows that components of this product may cause damage to the central nervous system (CNS).
- **11.11 Specific Target Organ Toxicity (Repeated Exposure):** Contains chemicals that may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).
- **11.12 Signs and Symptoms:** Effects due to exposure may include: Headache, Dizziness, Drowsiness, Metabolic Acidosis, Coma, Seizures. Symptoms may be delayed.
- **11.13 Carcinogenicity:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20		Not classifiable as a human carcinogen	Not listed	Not listed
Synthetic 2 Cycle Oil	None shown	None shown	None shown	None shown

# **Section 12 - Ecological Information**

#### 12.1

Product Name	Results	Species	Exposure
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	It is expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment		
Synthetic 2 Cycle Oil	Under Section 311 of the Clean Water Act and the Oil Pollution Control Act of 1990, this material is considered to be toxic to aquatic organisms.		

**Toxicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause long-term toxicity to aquatic life.

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12.2 Mobility: Floats on water

**12.3** Persistence/degradability: Inconclusive technical data.

**12.4** Bioaccumulation: Inconclusive technical data.

**12.5** Other adverse effects: Inconclusive technical data.

## **Section 13 - Disposal Considerations**

**13.1 Disposal: DO NOT REUSE EMPTY CONTAINER!** The container should be emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

## **Section 14 - Transport Information**

### **14.1 DOT Transport Information**



**ID No.:** UN 1203

Shipping Name: Gasoline

Hazard Class: 3
Packing Group: II
Label: Flammable
Placard: Flammable

Marking: MARINE POLLUTANT Alkylate Full Range when shipping ground greater than 119 gallons' single container

or any quantity by water

### 14.2 IMDG Transport Information



**ID No.:** UN 1203

Shipping Name: GASOLINE

Hazard Class: 3
Packing Group: ||

Flash Point: (-35.5°C c.c.) EmS Number: F-E, S-E Label: Flammable

Placard: Flammable

Marking: Marine Pollutant Alkylate Full Range

### **14.3** UN Dangerous Goods Transport Information

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ID No.: ID No.: UN1203 Shipping Name: Gasoline

Hazard Class: 3 Packing Group: II Label: Flammable Placard: Flammable

Marking: Marine Pollutant Alkylate Full Range



Use marking when shipping as a consumer commodity ground in the US

## 14.4 DOT Transport Limited Quantity/Consumer Commodity

Inner packaging not over
1.0L (0.3 gallons) net capacity each.
Outer Package not over 30kg (66lbs) each



Use marking when shipping as a limited quantity by vessel.

### 14.5 IMDG Transport Limited Quantity

Inner packaging not over

1.0L (0.3 gallons) net capacity each. Outer Package not over 30kg (66lbs) each

**ID No.:** UN 1203

Shipping Name: GASOLINE LTD.QTY.

Hazard Class: 3
Packing Group: ||

Flash Point: (-35.5° C c.c.) EmS Number: F-E, S-E

NOTE: Because the MARINE POLLUTANT Alkylate Full Range in the inner packaging of the combination

packaging is a net quantity of 5 L or less. The MARINE POLLUTANT marking is not required.

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## **Section 15 - Regulatory Information**

### 15.1 US Regulations

**US. Toxic Substances Control Act**: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

**Toxic Release Inventory (TRI):** This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372):

CAS Number	Chemical Name	Chemical percentage by weight not exceeding
108-88-3	Phenylmethane	18%

This information must be included in all SDSs that are copied and distributed for this material.

CERCLA Hazardous Substances and corresponding RQs: Phenylmethane 1000lbs

SARA Community Right-to-Know Program: All components of this blend.

Clean Water Act: Synthetic 2 Cycle Oil

Clean Air Act: 1,1,2-Trimethylethane

**OSHA:** All ingredients are regulated by 28 CFR 1910.1200.

State Regulations California prop. 65



WARNING-Cancer and Reproductive Harm - www.P65Warnings.ca.gov."

Chemicals on the following State Right to Know Lists:

**Massachusetts:** All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

**New Jersey** All components of this product are on the New Jersey inventory or are exempt from Inventory requirements.

**Pennsylvania:** All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements.

### 15.2 International Regulations:

**Australian Inventory of Chemical Substances:** All components of this product are on the Inventory or are exempt from Inventory requirements

**National Existing Chemical Inventory in Taiwan:** All components of this product are on Inventory or are exempt from Inventory requirements

**Philippine Inventory of Chemicals and Chemical Substances** All components of this product are on the Inventory or are exempt from Inventory requirements

**China Existing Chemical Inventory:** All components of this product are on the Inventory or are exempt from Inventory requirements

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## **Section 16 - Other Information**

- **16.1** Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.
- **16.2** References: CHEMpendium database of the Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller onLine, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

### 16.3 CHEMTREC in-country emergency dial numbers:

CHEMTREC  In-Country Dial Numbers	Local # Provided in Country	Toll Free in Country*	Greeting Language
	AMERICAS		
CHEMTREC Argentina (Buenos Aires)	+(54)-1159839431		Latin American Spanish
CHEMTREC Brazil (Rio De Janeiro)	+(55)-2139581449		Portuguese
CHEMTREC Cayman Islands	+(1)-345-749-8392		English
CHEMTREC Chile (Santiago)	+(56)-225814934		Latin American Spanish
CHEMTREC Colombia *		01800-710-2151	Latin American Spanish
CHEMTREC Costa Rica*	+(506)-40003869		Latin American Spanish
CHEMTREC Mexico*		01-800-681-9531	Latin American Spanish
CHEMTREC Panama	+(507)-8322475		Latin American Spanish
CHEMTREC Peru (Lima)	+(51)-17071295		Latin American Spanish
CHEMTREC Trinidad and Tobago*	+(1)-868-224-5716		English

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## **16.3** CHEMTREC in-country emergency dial numbers continued:

	MIDDLE EAS	Т		
CHEMTREC Bahrain (Bahrain)	+(973)-16199372		Arabic	
CHEMTREC Israel (Tel Aviv)	+(972)-37630639		Hebrew	
CHEMTREC Saudi Arabia*	+(966)-8111095861		Arabic and English	
CHEMTREC Kuwait National	+965-22274681		Arabic and English	
	SUB SAHARAN A	FRICA		
CHEMTREC South Africa*		0-800-983-611	English	
	EAST ASIA	-		
CHEMTREC Hong Kong (Hong Kong)*		800-968-793	Cantonese	
CHEMTREC Japan (Tokyo)	+(81)-345209637		Japanese	
CHEMTREC South Korea*		00-308-13-2549	Korean	
CHEMTREC South Korea	+(82) 070-7686-0086		Korean	
CHEMTREC Taiwan*		00801-14-8954	Mandarin	
SOUTHEAST ASIA				
CHEMTREC Indonesia*		001-803-017-9114	Indonesian	
CHEMTREC Malaysia *		1-800-815-308	Malay	
CHEMTREC Malaysia (Kuala Lumpur)	+(60)-327884561		Malay	
CHEMTREC Philippines *		1-800-1-116-1020	Tagalog	
CHEMTREC Philippines (Manila)	+(63) 2-395-3308		Tagalog	
CHEMTREC Singapore*		800-101-2201	English and Mandarin	
CHEMTREC Singapore	+(65)-31581349		English and Mandarin	
CHEMTREC Thailand *		001-800-13-203-9987	Thai	
CHEMTREC Vietnam (Hanoi)*	+(84)-444581938		Vietnamese	
	SOUTH ASIA	N.		
CHEMTREC Bangladesh††	N/A	N/A	Bengali	
CHEMTREC India *		000-800-100-7141	Hindi	
AUSTRALIA & OCEANIA				
CHEMTREC Australia (Sydney)	+(61)-290372994		English	
CHEMTREC New Zealand (Auckland)*	+(64)-98010034		English	
*Phone numbers for countries marked with an asterisk must be dialed within the country				
*Phone numbers for countries man			· · · · · · · · · · · · · · · · · · ·	

**16.4 SDS Preparation Date** 01/23/2016

**SDS Previous Issue Date:** None

**SDS Revision Date:** 01/22/2019 Sections 2,3,8,11,12,14,15,16 **SDS Revision Date:** 09/19/2019 Sections 2,3,8,11, 15,16

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