

**VESTA 5100**

SDS Preparation Date (mm/dd/yyyy): 05/18/2018

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **VESTA 5100**

Product Code(s) : None assigned.

Recommended use of the chemical and restrictions on use

: Fuel additive  
Use pattern: Professional use only  
Recommended restrictions: None known.

Chemical family : Combustion Improver

Name, address, and telephone number of the supplier:

**California Fueling**

19220 Stare Street  
Northridge, CA, U.S.A.  
91324

Supplier's Telephone # : 303-618-5310, 8 am-5 pm MST

24 Hr. Emergency Tel # : INFOTRAC: (800) 535-5053 (Within Continental US and Canada); (352)323-3500 (International)

Name, address, and telephone number of the manufacturer:

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear colorless liquid. Characteristic odor.

*Most important hazards:* This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Hazard classification:

Flammable Liquid - Category 4  
Acute toxicity, oral - Category 4  
Acute Toxicity, dermal - Category 4  
Acute toxicity, inhalation - Category 4

Label elements

Hazard pictogram(s)



Signal Word  
WARNING!

Hazard statement(s)

Combustible liquid.  
Harmful if swallowed, in contact with skin or if inhaled.

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*Precautionary statement(s)*

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.  
 Avoid breathing mist or vapor.  
 Wash exposed skin thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves and eye/face protection.

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.  
 IF ON SKIN: Wash with plenty of soap and water. Call a poison center/doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 Call a poison center/doctor if you feel unwell.  
 In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local regulation.

**Other hazards**

*Other hazards which do not result in classification:*

Toxic fumes may be released during a fire. Direct eye contact may cause slight or mild, transient irritation. Direct skin contact may cause slight or mild, transient irritation.

*Environmental precautions:*

Toxic to aquatic life with long lasting effects. Avoid release to the environment. See Section 12 for more environmental information.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Nitric acid, ester	Proprietary	Proprietary	Proprietary

The exact concentrations and/or specific chemical identities of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

**Description of first aid measures**

- Ingestion* : If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation* : If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a poison center/doctor if you feel unwell.
- Skin contact* : IF ON SKIN: Wash with plenty of soap and water. Call a poison center/doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.
- Eye contact* : Immediately flush eye(s) with plenty of water. Flush eyes with running water for at least 5 to 10 minutes. If irritation or symptoms develop, seek medical attention.

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

- : Harmful if swallowed, in contact with skin or if inhaled. May produce symptoms of vasodilation (Reduced blood pressure and other cardiovascular effects to produce such symptoms as throbbing headache, light headedness, flushing, dizziness, weakness, heart palpitations, nausea, fatigue, confusion and possible loss of consciousness). Ingestion of large quantities of nitrates may affect oxygen transport in the blood and blood system, causing methemoglobinemia. Could cause cyanosis (bluish discoloration of the skin due to deficient oxygenation of the blood).
- Direct skin contact may cause slight or mild, transient irritation. Symptoms may include mild redness and swelling.
- Direct eye contact may cause slight or mild, transient irritation. Direct eye contact may cause slight redness.

### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

*Suitable extinguishing media*

- : Carbon dioxide (CO<sub>2</sub>); Dry chemical; Alcohol resistant foam; Water fog

*Unsuitable extinguishing media*

- : Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture / Conditions of flammability

- : Combustible liquid. May be ignited by open flame. Toxic fumes may be released during a fire. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquid - Category 4

### Hazardous combustion products

- : Nitrogen oxides; Carbon oxides

### Special protective equipment and precautions for firefighters

*Protective equipment for fire-fighters*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

*Special fire-fighting procedures*

- : Avoid breathing mist or vapor. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- : All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

### Environmental precautions

- : Prevent product from entering drains, sewers, waterways and soil. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

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### Methods and material for containment and cleaning up

- : Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Do not use combustible absorbents, such as sawdust. Contact the proper local authorities.

### Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).  
 US CERCLA Reportable quantity (RQ): None.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

- : Wear suitable protective equipment during handling. Wear protective gloves and eye/face protection. Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapor. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Ground all equipment during handling. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not cut, weld, drill or grind on or near this container.

### Conditions for safe storage

- : Store in a cool, dry, well ventilated area, away from incompatibles. Inspect periodically for damage or leaks. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. Maximum storage temperature: 40°C (104°F).  
 Unsuitable materials for containers Natural Rubber; Butyl rubber

### Incompatible materials

- : Oxidizing agents; Strong bases; Strong acids; Reducing agents

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Nitric acid, ester	N/Av	N/Av	N/Av	N/Av

### Exposure controls

#### Ventilation and engineering measures

- : Use only outdoors or in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

#### Respiratory protection

- : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

#### Skin protection

- : Wear protective gloves/clothing. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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- Eye / face protection** : Wear eye/face protection. Wear safety glasses with side shields (or goggles). A full face shield may also be necessary.
- Other protective equipment** : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.
- General hygiene considerations** : Avoid breathing mist or vapors. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Clear colorless liquid.
- Odor** : Characteristic odor.
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting/Freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flash point** : 78°C (172.4°F)
- Flashpoint (Method)** : Pensky Martens Closed Cup
- Evaporation rate (BuAe = 1)** : Not available.
- Flammability (solid, gas)** : Not applicable.
- Lower flammable limit (% by vol.)** : 0.25%
- Upper flammable limit (% by vol.)** : Not available.
- Oxidizing properties** : None known.
- Explosive properties** : Not explosive
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density / Specific gravity** : 0.96 - 0.97
- Solubility in water** : slightly soluble (12.6 mg/L)
- Other solubility(ies)** : Soluble in: Hydrocarbons; Methanol; Chlorinated solvents
- Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : 5.24
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : 130°C
- Viscosity** : 1.7 - 1.8 cSt @ 20°C (68°F)
- Volatiles (% by weight)** : No data available.
- Volatile organic Compounds (VOC's)** : Not available.
- Absolute pressure of container** : Not applicable.
- Flame projection length** : Not applicable.
- Other physical/chemical comments** : No additional information.

### SECTION 10. STABILITY AND REACTIVITY

- Reactivity** : Not normally reactive.

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- Chemical stability** : Stable under normal conditions.
- Possibility of hazardous reactions** :  
 : Temperatures above 100°C (212°F) may cause self-accelerating exothermic decomposition which causes a rapid rise in temperature and pressure.  
 Thermal-ignition critical temperatures (Tc) and reaction times (t) at Tc + 1°C:  
 - Cylindrical metallic drum diameter 400 mm: Tc = 93 °C (199 °F); t = 27 hours.  
 - Cylindrical metallic container diameter 2 m: Tc = 65 °C (149 °F); t = 6 days.  
 - Cylindrical metallic container diameter 10 m: Tc = 38 °C (100 °F); t = 30,5 days.
- Conditions to avoid** : Open flames, sparks, high heat, direct sunlight, and close proximity to incompatible substances. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.
- Incompatible materials** : Oxidizing agents; Strong acids; Strong bases; Reducing agents
- Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 5.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:

- Routes of entry inhalation** : YES
- Routes of entry skin & eye** : YES
- Routes of entry Ingestion** : YES
- Routes of exposure skin absorption** : YES

#### Potential Health Effects:

##### Signs and symptoms of short-term (acute) exposure

###### *Sign and symptoms Inhalation*

- : Harmful if inhaled. Inhalation of high concentrations of vapors, may cause respiratory irritation. Symptoms may include sore throat, running nose and shortness of breath. May produce symptoms of vasodilation (Reduced blood pressure and other cardiovascular effects to produce such symptoms as throbbing headache, light headedness, flushing, dizziness, weakness, heart palpitations, nausea, fatigue, confusion and possible loss of consciousness).

###### *Sign and symptoms ingestion*

- : Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause symptoms similar to inhalation. Ingestion of large quantities of nitrates may affect oxygen transport in the blood and blood system, causing methemoglobinemia. Could cause cyanosis (bluish discoloration of the skin due to deficient oxygenation of the blood).

###### *Sign and symptoms skin*

- : Direct skin contact may cause slight or mild, transient irritation. Symptoms may include mild redness and swelling. May be absorbed and cause symptoms similar to those for inhalation.

###### *Sign and symptoms eyes*

- : Direct eye contact may cause slight or mild, transient irritation. Direct eye contact may cause slight redness.

##### Potential Chronic Health Effects

- : Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

##### Mutagenicity

- : Not expected to be mutagenic in humans. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

##### Carcinogenicity

- : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

##### Reproductive effects & Teratogenicity

- : This product is not expected to cause reproductive or developmental effects.

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- Sensitization to material** : Not expected to be a skin or respiratory sensitizer.
- Specific target organ effects** : According to the classification criteria of U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012), this product is not expected to cause target organ toxicity through single or repeated exposures.

**Medical conditions aggravated by overexposure**

- : Pre-existing skin, eye, respiratory or blood system disorders.

**Synergistic materials**

- : No information available.

**Toxicological data**

- : This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012). Hazardous classification:  
Acute toxicity - Category 4. Harmful if swallowed, in contact with skin or if inhaled. Based on Human Evidence).

See below for toxicological data on the substance.

<u>Chemical name</u>	<u>LC<sub>50</sub> (4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Nitric acid, ester	> 4.6 mg/L (mist) (rabbit)	> 9600 mg/kg (rat)	> 4800 mg/kg (rabbit)

**Other important toxicological hazards**

- : None reported by the manufacturer.

### SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : Toxic to aquatic life with long lasting effects. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

See the following tables for the substance's ecotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Nitric acid, ester	Proprietary	2 mg/L (Zebra fish)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Nitric acid, ester	Proprietary	> 12.6 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Nitric acid, ester	Proprietary	3.22 mg/L/72hr (Green algae)	12.6 mg/L/72hr	None.

**Persistence and degradability**

- : Not expected to be rapidly biodegradable.

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**Bioaccumulation potential** : Not expected to bioaccumulate. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Nitric acid, ester (CAS Proprietary)	5.24	N/Av

**Mobility in soil** : No data is available on the product itself.

**Other Adverse Environmental effects**

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.  
 Empty containers retain residue (liquid and/or vapor) and can be dangerous. Since emptied containers may retain product residue, follow label warnings even after container is emptied.








**Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations.

**RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.



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**SECTION 14. TRANSPORT INFORMATION**

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
<b>The following 49CFR/DOT information applies to shipments in bulk packagings (&gt; 450 L / 119 gallons):</b>					
49CFR/DOT	NA1993	Combustible liquid, n.o.s. (2-Ethylhexyl nitrate)	Combustible.	III	 
<b>49CFR/DOT Additional information</b>	The 'label' appearing here is the placard to be used for bulk shipments. This product contains marine pollutants. When shipped in bulk packagings (> 450 L / 119 gallons), or by sea, this material must be identified as a Marine pollutant according to 49 CFR sections 172.203 (I) and 172.322. "Marine pollutant" must be included with the shipping description on documentation.				
<b>The following 49CFR/DOT information applies to shipments in non-bulk packagings (≤ 450 L / 119 gallons):</b>					
49CFR/DOT	None.	Not regulated.	not regulated	none	
<b>49CFR/DOT Additional information</b>	Not regulated for road or rail shipment if packaged in non-bulk containers (450 L / 119 Gallons or less each). If shipping non-bulk containers by sea, refer to IMDG shipping information.				
TDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl nitrate)	9	III	 
<b>TDG Additional information</b>	This material may be shipped as an exempted marine pollutant in accordance with TDG Section 1.45.1 and Special Provision 99.				
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Ethylhexyl nitrate)	9	III	 
<b>IMDG Additional information</b>	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.				

**Special precautions for user** : Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame. - No smoking.

**Environmental hazards** : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: This information is not available.

**SECTION 15 - REGULATORY INFORMATION**

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Nitric acid, ester	Proprietary	Yes	None.	None.	No	N/Ap

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SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes:

Physical hazards (Flammable liquid)

Health hazards (Acute toxicity)

Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Nitric acid, ester	Proprietary	No	N/Ap	No	No	No	No	No	No

### Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

### International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Nitric acid, ester	Proprietary	Proprietary	Listed	Listed	Listed	Listed	Listed	Listed

## SECTION 16. OTHER INFORMATION

### Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- ATE: Acute Toxicity Estimate
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- ECHA: European Chemicals Agency
- ECOTOX: U.S. EPA Ecotoxicology Database
- EINECS: European Inventory of Existing Commercial chemical Substances
- ENCS: Existing and New Chemical Substances
- EPA: Environmental Protection Agency
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IBC: Intermediate Bulk Container
- IECSC: Inventory of Existing Chemical Substances
- IMDG: International Maritime Dangerous Goods
- IOC: Inventory of Chemicals
- IUCLID: International Uniform Chemical Information Database
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List

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LC: Lethal Concentration  
 LD: Lethal Dose  
 MA: Massachusetts  
 MN: Minnesota  
 N/Ap: Not Applicable  
 N/Av: Not Available  
 NIOSH: National Institute of Occupational Safety and Health  
 NJ: New Jersey  
 NOEC: No observable effect concentration  
 NTP: National Toxicology Program  
 OECD: Organisation for Economic Co-operation and Development  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 PICCS: Philippine Inventory of Chemicals and Chemical Substances  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 SDS: Safety Data Sheet / Material Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TSCA: Toxic Substance Control Act  
 TWA: Time Weighted Average  
 WHMIS: Workplace Hazardous Materials Identification System

**References**



- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2017.
- 2. International Agency for Research on Cancer Monographs, searched 2018.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2018 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - March 2015 version.
- 6. California Proposition 65 List - December 29, 2017 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2018.

**Preparation Date (mm/dd/yyyy)**

: 05/18/2018

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<p><b><u>Prepared for:</u></b>          California Fueling          19220 Stare Street          Northridge, CA, U.S.A., 91324          Telephone: (303) 618-5310          Direct all enquiries to: California Fueling</p>	
<p><b><u>Prepared by:</u></b>          ICC The Compliance Center Inc.          Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)  <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

## **SAFETY DATA SHEET**

### **DISCLAIMER**

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