



HMIS	
Health Hazard	2
Fire Hazard	2
Reactivity	0

This SDS is in accordance with US 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) or the Canadian Workplace Hazardous Material Information System (WHMIS 2015)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	TRIAX Diesel Ultra Fuel Treatment and Booster
Recommended Use	Diesel fuel additive
Manufactured by:	TRIAX LLC 751 Port America, Suite 810. Grapevine, TX 76051 Phone: 214-897-6533
Emergency Telephone Number	CHEMTREC 1 (800) 424-9300 International: +011(703) 527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

Classification

This product is not considered HAZMAT for storage and ground, ocean transportation purposes

Flammable liquids	Category 3
Carcinogenicity	Category 1B
Reproductive toxicity	Category 1B
Aspiration hazard	Category 1
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2

Appearance	Yellow liquid	Physical State	liquid	Odor	Mild Petroleum
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Signal word Danger

Hazard statements

Flammable liquid and vapor
 May damage fertility or the unborn child
 May cause drowsiness or dizziness.
 May be fatal if swallowed and enters airways.
 May cause cancer
 May cause respiratory irritation.
 May cause damage to organs through prolonged or repeated exposure



Precautionary Statements – Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection and face protection. Do not breathe dust, fume, gas, mist, vapors and spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed. Ground and bond container and receiving equipment. Use only non-sparking tools. Take action to prevent static discharges. Keep cool.

Precautionary Statements - Response IF exposed or concerned: Get medical advice/attention.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. .

Skin IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water and then shower.

Fire In case of fire: Use CO₂, dry chemical, or foam to extinguish.

Precautionary Statements - Storage Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal Dispose of contents and container to an approved waste disposal plant.

Unknown acute toxicity See Section 12 for additional Ecological Information.

Other information May be harmful if swallowed. May be harmful in contact with skin. Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Formula Mixture

Chemical Name	CAS-No	Weight %
Distillates (Petroleum), Hydrotreated Light	64742-47-8	85-95%
Solvent Naphtha (Petroleum), Light Aromatic	64742-95-6	2.22-3.33%
1,2,4-Trimethylbenzene	95-63-6	1.11-2.22089
Naphtha, Heavy Aromatic	64742-94-5	<1.54
Xylene, Mixture of Isomers	1330-20-7	0.111 - 0.5439
Cumene	98-82-8	0.111 - 0.5439
2-Ethyl-1-Hexanol	104-76-7	0.255 - 0.5049
Naphthalene	91-20-3	0.051 - 0.4641
2-Methylnaphthalene	91-57-6	< 0.3978
Mesitylene	108-67-8	0.051 - 0.2499
n-Propylbenzene	103-65-1	0.051 - 0.2499
1-Methylnaphthalene	90-12-0	< 0.19125

* Exact % of composition is being withheld as a trade secret.

Chemical Additions

The classification as a carcinogen does not apply as it can be shown that the substance(s) contain(s) less than 3% DMSO extract as measured by IP 346.

4. FIRST-AID MEASURES

General advice	IF exposed or concerned: Get medical advice/attention. Show this safety datasheet to the doctor in attendance. Immediate medical attention is required.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation	Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Symptoms	Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing. May cause gastrointestinal discomfort if consumed in large amounts. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.
Note to physicians	Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)
Specific hazards arising from the chemical	Containers can burst or explode when heated, due to excessive pressure build-up. Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local

regulations. Thermal decomposition can lead to release of irritating gases and vapors.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge Yes

Protective Equipment and Precautions for Firefighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

NFPA **Health Hazard** 2 **Flammability** 2 **Stability** 0 **Physical and Chemical Hazards** -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Methods for Containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for Cleaning Up Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Take precautionary measures against static discharges. Dam up. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8

For emergency responders Use personal protection recommended in Section 8.

7. HANDLING AND STORAGE

Handling Avoid contact with used product. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage Do not reuse empty containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e. pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits Under conditions which may generate mists, the following exposure limits are recommended: Long-term exposure limit (8-hour TWA): 5 mg/m³. Short-term exposure limit(15-minute): 10 mg/m³

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Distillates (Petroleum), Hydrotreated Light 64742-47-8	TWA: 200 ppm 8 hours	-	-
1-Methylnaphthalene 90-12-0	TWA: 0.5 ppm	-	-
2-Methylnaphthalene 91-57-6	TWA: 0.5 ppm	-	-
Naphtha, Heavy Aromatic 64742-94-5	TWA: 25 mg/m ³	-	-
1,2,4-Trimethylbenzene 95-63-6	TWA: 25 ppm	-	-
Cumene 98-82-8	TWA: 5 ppm	TWA: 50 ppm	-
Mesitylene 108-67-8	TWA: 25 ppm	-	-

Engineering controls Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

- Eye/Face Protection** If there is a risk of contact: Tight sealing safety goggles.
- Skin and Body** If there is a risk of contact: Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
- Hand protection** If there is a risk of contact: Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Wear suitable gloves. Impervious gloves.
- Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. may be required.
- Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.
- General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow liquid	Odor	Mild Petroleum
Physical State	Liquid	pH	N/A
Flash Point	>150 °F	Autoignition Temperature	N/A
Boiling Point/Range	No data	Freezing Point	<-60°C /-76°F
Explosion Limits	N/A	Flammability Limits in Air	N/A
Specific Gravity	0.83-0.85	Solubility	Insoluble in water. Water: 1.5 g/l
Evaporation Rate	0.19	Vapor Pressure	0.013 kPa
Vapor Density	4.5 (at 20°C)	Density	N/A

10. STABILITY AND REACTIVITY

Stability	STABLE under recommended storage conditions and room temperature.
Incompatible Products	None known based on information supplied.
Conditions to Avoid	Heat, flames and sparks.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Hazardous Polymerization	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

Ingestion	Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components).
Inhalation	Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Skin Effects	Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes mild skin irritation. May be harmful in contact with skin
Eye Irritation	Specific test data for the substance or mixture is not available. May cause irritation.

Symptoms	Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.
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Component Information

Chemical Name	LD50 Oral (Rat)	LD50 Dermal (Rabbit)	LC50 Inhalation (Rat)
Distillates (Petroleum), Hydrotreated Light 64742-47-8	> 5000 mg/kg body weight	> 2000 mg/kg	> 5.28 mg/l/4h
1-Methylnaphthalene 90-12-0	1840 mg/kg	> 5000 mg/kg	-
2-Methylnaphthalene 91-57-6	1630 mg/kg	-	-
Naphthalene 91-20-3	500 mg/kg	-	-
Naphtha, Heavy Aromatic 64742-94-5	> 5000 mg/kg	> 2000 mg/kg	> 5 mg/l/4h
1,2,4-Trimethylbenzene 95-63-6	> 5000 mg/kg	> 3440 mg/kg	18 mg/l/4h
Xylene, Mixture of Isomers 1330-20-7	3523 - 8600 mg/kg	> 4200 mg/kg	29 mg/l/4h
Cumene 98-82-8	> 2000 mg/kg	10578 mg/kg	40 mg/l/4h 8000 ppm/4h
2-Ethyl-1-Hexanol 104-76-7	3290 mg/kg	> 3000 mg/kg	> 2600 mg/kg
Mesitylene 108-67-8	6000 mg/kg	> 2000 mg/kg	24 mg/l/4h
n-Propylbenzene 103-65-1	6040 mg/kg		

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/eye irritation No information available

Skin corrosion/irritation No information available

Respiratory or skin sensitization No information available

Germ cell mutagenicity No information available

Carcinogenicity May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Solvent Naphtha (Petroleum), Light Aromatic 64742-95-6	Not listed	3	Not listed	Not listed
Naphtha, Heavy Aromatic 64742-94-5	Not listed	2B	3	Not listed
Xylene, Mixture of Isomers 1330-20-7	Not listed	3	Not listed	Not listed
Cumene 98-82-8	A3	2B	Reasonably Anticipated	Not listed

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life. Toxic to aquatic life with long lasting effects

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
1-Methylnaphthalene 90-12-0	algae 1: 1.71 - 5.12, EC50; 3 h algae 2 1200 µg/l (EC50; 14 days)	LC50 fish 1: 8.4 mg/l (LC50; 48 h; Salmo fario) LC50 fish 2: 9 mg/l (LC50; 96 h; Pimephales promelas)	Not Available	EC50 Daphnia 1: 1.848 mg/l (LC50; 48 h) EC50 Daphnia 2: 1.2 mg/l (EC50; 48 h)
2-Methylnaphthalene 91-57-6	-	LC50 fish 1: 8 mg/l (LC50; 96 h)	Not Available	-
Naphtha, Heavy Aromatic 64742-94-5	algae 2: 2.5 mg/l (EC50; 72 h)	LC50 fish 2: 2.34 mg/l (LC50; 96 h; Oncorhynchus mykiss)	Not Available	EC50 Daphnia 1: 0.95 mg/l (EC50; 48 h)
1,2,4- Trimethylbenzene 95-63-6	algae 2: 2.356 mg/l	LC50 fish 1: 7.72 mg/l (LC50; 96 h; Pimephales promelas; Flow-through system; Fresh water)	Not Available	EC50 Daphnia: 1 3.6 mg/l
Cumene 98-82-8	-	-	Not Available	EC50 Daphnia 1: 2.14 mg/l
2-Ethyl-1-Hexanol 104-76-7	-	LC50 fish 2: 17.1 mg/l	Not Available	EC50 Daphnia 1: 39 mg/l
Mesitylene 108-67-8	algae 2: 25 mg/l	-	Not Available	EC50 Daphnia 1: 6 mg/l
n-Propylbenzene 103-65-1	algae 2 1.8 mg/l (EC50; 72 h; Selenastrum capricornutum)	LC50 fish 1: 1.55 mg/l (LC50; 96 h; Salmo gairdneri)	Not Available	EC50 Daphnia 1 2 mg/l (EC50; 24 h; Daphnia magna)

Bioaccumulation

Component Information

Chemical name	Bioaccumulative Potential	Log Pow
Solvent Naphtha (Petroleum), Light Aromatic 64742-95-6	-	2.1 - 6
1-Methylnaphthalene 90-12-0	Low potential for bioaccumulation (Log Kow < 4). Not established	3.87
2-Methylnaphthalene 91-57-6	Low potential for bioaccumulation (BCF < 500). Not established.	3.86
Naphtha, Heavy Aromatic 64742-94-5	Bioaccumable.	2.9 - 6.1
Trimethylbenzene 95-63-6	-	3.63 – 4.09
Xylene, Mixture of Isomers 1330-20-7	Low potential for bioaccumulation (BCF < 500).	3.2
Cumene 98-82-8	Low potential for bioaccumulation (BCF < 500).	3.55
2-Ethyl-1-Hexanol 104-76-7	Low potential for bioaccumulation (Log Kow < 4).	2.9
Mesitylene 108-67-8	Low potential for bioaccumulation (BCF < 500).	3.42 – 4.13
n-Propylbenzene 103-65-1	Low potential for bioaccumulation (Log Kow < 4).	3.69



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Mobility in soil No information available.
Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products Should not be released into the environment, Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

Contaminated Packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

California waste information This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Contact supplier for inventory compliance status

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values
Trimethylbenzene - 95-63-6	1.0%
Naphthalene - 91-20-3	0.1%
Xylene - 1330-20-7	1.0%
Cumene - 98-82-8	0.1%
2-Ethyl-1-Hexanol - 104-76-7	0.1%

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA- Hazardous Substances
Naphthalene - 91-20-3	100 lb	X	X	X
Xylene - 1330-20-7	100 lb	-	-	X
2-Ethyl-1-Hexanol - 104-76-7	1000 lb	X	X	X



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CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Naphthalene 91-20-3	100 lb	-	RQ100 lb final RQ RQ45.4 kg final RQ
Xylene 1330-20-7	100 lb	-	RQ100 lb final RQ RQ45.4 kg final RQ
2-Ethyl-1-Hexanol – 104-76-7	1000 lb	-	RQ1000 lb final RQ RQ454 kg final RQ
Cumene 98-82-8	5000 lb	-	RQ5000 lb final RQRQ2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Naphthalene - 91-20-3	Carcinogens
Cumene - 98-82-8	Carcinogens
Naphtha, Heavy Aromatic (64742-94-5)	Carcinogens

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Naphthalene - 91-20-3		X	X
Naphtha, Heavy Aromatic 64742-94-5	X		X
Cumene - 98-82-8	X	X	X

16. OTHER INFORMATION

Prepared By TRIAX, LLC
Revision Date March 11, 2024
Revision Note None

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End MSDS