



HMIS	
Health Hazard	1
Fire Hazard	1
Reactivity	0

This SDS is in accordance with US 2012 OSHA Hazard Communication Standard (29 CFR1910.1200) or the Canadian Workplace Hazardous Material Information System (WHMIS 2015)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	TRIAX All Fleet ELC
Recommended Use	Heavy Duty Diesel Antifreeze and Coolant
Manufactured by:	TRIAX LLC 1405 S Belt Line RD, Suite 200, Coppell, TX 75019 Phone: 214-897-6533
Emergency Telephone Number	CHEMTREC 1 (800) 424-9300 International: +011(703) 527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

Classification

Acute toxicity - Oral	Category 4
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1

Appearance Red liquid

Physical State liquid

Odor Odorless

Hazard statements

Harmful if swallowed.
May damage fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure: Kidney.
This item contains a bittering agent called Denatonium Benzoate.



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. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust, fume, gas, mist, vapors and spray.

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. .

Precautionary Statements - Storage Store locked up.

Precautionary Statements - Disposal 35 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

Unknown acute toxicity See Section 12 for additional Ecological Information.

Other information Harmful to aquatic life with long lasting effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Formula Mixture

Chemical Name	CAS-No	Weight %
Ethylene glycol	107-21-1	80-98%
4-tert-butylbenzoic acid	98-73-7	2-9%
Denatonium Benzoate	98 3734-33-6	1%

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

This item contains a bittering agent called Denatonium Benzoate

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 Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists

Skin Contact Wash skin with soap and water. Take off contaminated clothing. Get medical attention if irritation develops and persists.

Inhalation Remove person to fresh air and keep comfortable for breathing.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.

Symptoms May cause temporary eye irritation. May cause gastrointestinal discomfort if consumed in large amounts. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing.

Notes to Physician dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing.

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, Foam, CO ₂ , dry chemical
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. Thermal decomposition can lead to release of irritating gases and vapors.
Explosion Data	
Sensitivity to Mechanical Impact	Not sensitive
Sensitivity to Static Discharge	Not sensitive
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 1 Flammability 1 Stability 0 Physical and Chemical Hazards -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
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). Clean contaminated surface thoroughly. After cleaning, flush away traces with water
Other information	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	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. Ensure adequate ventilation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene glycol 107-21-1	STEL: 50 ppm vapor fraction STEL: 10 mg/m ³ inhalable particulate matter, aerosol only TWA: 25 ppm vapor fraction	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m ³	-
4-tert-butylbenzoic acid 98-73-7	TWA: 0.1 mg/m ³ Inhalable fraction and vapor S*	-	-
Denatonium Benzoate 98 3734-33-6			

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses or face shield where splashing is possible. Full face-shield to be worn during emergencies.

Skin and Body If there is a risk of contact: Wear suitable protective clothing.

Hand protection If there is a risk of contact: Wear suitable 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.

Environmental exposure controls Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red liquid	Odor	Odorless
Physical State	Liquid	pH	N/A
Flash Point	>290 °F	Autoignition	N/A
		Temperature	
Boiling Point/Range	No data	Freezing Point	<-37°C /-34°F
Explosion Limits	N/A	Flammability Limits in	N/A
		Air	
Specific Gravity	1.110-1.145	Solubility	N/A
Evaporation Rate	N/A	Vapor Pressure	N/A
Vapor Density	Not Determined	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	None known based on information supplied.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating 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 Effects	Specific test data for the substance or mixture is not available
Skin Effects	Specific test data for the substance or mixture is not available.
Eye Irritation	Specific test data for the substance or mixture is not available.

Symptoms	May cause temporary eye irritation. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons. May cause gastrointestinal discomfort if consumed in large amounts. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing.
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Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethylene glycol	= 4700 mg/kg (Rat)	= 10600 mg/kg (Rat)	> 2.5 mg/L (Rat) 6 h
4-tert-butylbenzoic acid	= 473 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 1.802 mg/L (Rat) 4 h
Denatonium Benzoate	-	-	-

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	Not considered a potential carcinogen base on IP346 DMSO of less than 3.0 wt%

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

Chemical name	ACGIH	IARC	NTP	OSHA
Ethylene glycol 107-21-1	Not listed	A4	Not listed	Not listed
4-tert-butylbenzoic acid 98-73-7	Not listed	Not designated	Not listed	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	No information available.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Target organ effects	Kidney.
Aspiration hazard	Due to the viscosity, this product does not present an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Ethylene glycol 107-21-1	EC50: 6500 - 13000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =41000mg/L (96h, Oncorhynchus mykiss) LC50: 14 - 18mL/L (96h, Oncorhynchus mykiss) LC50: =27540mg/L (96h, Lepomis macrochirus) LC50: =40761mg/L (96h, Oncorhynchus mykiss) LC50: 40000 - 60000mg/L (96h, Pimephales promelas) LC50: =16000mg/L (96h, Poecilia reticulata)	Not Available	EC50: =46300mg/L (48h, Daphnia magna)

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Ethylene glycol 107-21-1	-1.36
4-tert-butylbenzoic acid 98-73-7	3.4

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated Packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

Note Not classified as dangerous in the meaning of sea and air transport regulations.

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
Ethylene glycol 107-21-1	1.0%

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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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)
Ethylene glycol 107-21-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Ethylene glycol 107-21-1	Developmental

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	New Jersey	New Jersey
Ethylene glycol 107-21-1	X	X	X



SAFETY DATA SHEET - SDS

SDS Number: 15044

Revision Date: March 11, 2024

16. OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet.

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

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