Safety Data Sheet



Issuing Date 27-May-2010 Revision Date 16-Dec-2011 Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1-800-448-4442

Product Name TAE 25X Liquid Concentrate

Product Code(s) 0796

Recommended Use For Further Manufacturing Use Only

Not for Human or Animal Drug Use

Company
AMRESCO, LLC
6681 Cochran Road
Solon, Ohio 44139

Emergency Telephone Number Chemtrec 1-800-424-9300

Company Phone Number

E-mail Address info@amresco-inc.com

2. HAZARDS IDENTIFICATION

GHS - Classification

Classification Skin Irritant 2 Eye Irritant 2 Skin Sensitizer 1 Respiratory Sensitizer 1

Signal Word Danger



Hazard Statements H317 - May cause an allergic skin reaction H334 - May cause allergy or asthma

symptoms or breathing difficulties if inhaled H315 - Causes skin irritation H319 -

Causes serious eye irritation H335 - May cause respiratory irritation

Precautionary Statements P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	Classification
Tris	EEC No. 201-064-4	Not available	77-86-1	10-20	-
Glacial acetic acid	EEC No. 200-580-7	Not available	64-19-7	1-10	R10 C; R35

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a

physician.

Skin ContactWash off immediately with soap and plenty of water removing all contaminated

clothes and shoes.

Inhalation Move to fresh air. If breathing becomes difficult, give oxygen.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Notes to Physician Treat symptomatically.

FIRE-FIGHTING MEASURES

Flammable Properties Not flammable.

Flash Point Not determined

Suitable Extinguishing Media Dry chemical, CO2, water spray or regular foam.

Hazardous Combustion Products Carbon oxides, Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact
Sensitivity to Static Discharge
Not sensitive.
Not sensitive.

Protective Equipment and Precautions for FirefightersAs in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent) and

full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure

adequate ventilation.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Absorb with an inert material. Pick up and transfer to properly labeled containers. Ventilate

area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products Strong oxidizing agents.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glacial acetic acid	15	TWA: 10 ppm	IDLH: 50 ppm
64-19-7		TWA: 25 mg/m ³	TWA: 10 ppm
			TWA: 25 mg/m ³
			STEL: 15 ppm
			STEL: 37 mg/m ³

Engineering Measures Showers

Eyewash stations Ventilation systems.

Personal Protective Equipment

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

Tightly fitting safety goggles. Wear protective gloves/clothing.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

Lower No data available

provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Odor
Odor Threshold
Decomposition Temperature °C
Freezing Point
Initial Boiling Point

Clear and Colorless
No information available
No information available
No information available
No information available

Physical State Liquid

pH No data available
Flash Point Not determined
Autoignition Temperature No data available
Boiling Point/Range No data available
Melting Point/Range No data available

Flammability Limits in Air

Upper No data available

Explosive Properties
Oxidizing Properties
Evaporation Rate
No information available
No data available

Evaporation Rate

MMHG @ 37.8 C

Vapor Density

Specific Gravity

Solubility

No data available
No data available
No data available
No information available

Partition Coefficient No data available

(n-octanol/water)

Viscosity No information available

10. STABILITY AND REACTIVITY

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Stability Stable under recommended storage conditions.

Incompatible Products Strong oxidizing agents.

Conditions to Avoid None known based on information supplied.

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx).

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Irritating to eye, skin and respiratory system. Sensitizer.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tris	5900 mg/kg (Rat)		
Glacial acetic acid	3310 mg/kg (Rat)	1060 mg/kg (Rabbit)	11.4 mg/L (Rat)4 h

Chronic Toxicity

Chronic Toxicity No known effect based on information supplied.

Target Organ Effects Teeth, Kidneys.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Glacial acetic acid		LC50= 79 mg/L Pimephales promelas 96 h		
		LC50= 75 mg/L Lepomis macrochirus 96 h		

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of material in accordance with all federal, state, and local regulations.

Contaminated Packaging Dispose of in accordance with all federal, state and local regulations.

14. TRANSPORT INFORMATION

IATA Not regulated

DOT Not regulated

15. REGULATORY INFORMATION

REACH Title VII Restrictions No information available.

Chemical Name	Dangerous Substances		Organic olvents	Subst Whose Are Indica	mful ances Names to be ited on abel	Pollution Release Transfor Registry (G	and er	Pollution Release and Transfer Registry (Clas	Substances
Tris	Not applicable	Not	applicable	Not ap	plicable	Not applic	able	Not applicable	e Not applicable
Glacial acetic acid	Not applicable	Not	applicable	Not ap	plicable	Not applic	able	Not applicable	e Not applicable
Component	ISHA - Harm Substance Prohibited f Manufacturi Importing Transferring Supplying	for ng, , , or	ISHA - Ha Substai Requir Permis	nces	Class Listing	Chemical dification g (TCCL) - Chemicals		xic Release entory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
Tris 77-86-1 (10-20)	Not applicat	ole	Not appli	cable	Not a	pplicable	No	t applicable	Not applicable
Glacial acetic acid 64-19-7 (1-10)	Not applicat	ole	Not appli	cable	Not a	pplicable	No	t applicable	Not applicable

International Inventories

TSCA Complies
EINECS/ELINCS Complies
ENCS Complies
IECSC Complies
KECL Does not Comply
PICCS Complies
AICS Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard No

Fire Hazard No Sudden Release of Pressure Hazard No

Sudden Release of Pressure Hazard No Reactive Hazard No

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).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:.

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Glacial acetic acid	64-19-7	1-10		Group II		

CERCLA

	Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Γ	Glacial acetic acid	5000 lb	

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Nan	ne	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Glacial acetic a	cid	X		X		X

International Regulations

Mexico - Grade

Chemical Name	Carcinogen Status	Exposure Limits
Glacial acetic acid		Mexico: TWA 10 ppm
		Mexico: TWA 25 mg/m ³

Canada

WHMIS Hazard Class

D2A Very toxic materials D2B Toxic materials



16. OTHER INFORMATION

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27-May-2010

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Revision Note

No information available

Recommended RestrictionsNo information available

Disclaimer

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End of MSDS