

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

SECTION 1. -----CHEMICAL PRODUCT AND COMPANY IDENTIFICATION-----

TEATA

CHEMICAL FORMULA: C15 H27 NO

CAS NUMBER: 3002-18-4

CHEMICAL NAME: Ethanol, 2,2',2''-nitrilotris-, triacetate (ester)

REVISED: 3/8/2004

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CHEMTREC (800) 424-9300

SECTION 2. -----COMPOSITION / INFORMATION ON INGREDIENTS-----

COMPONENT	CAS #	% BY WEIGHT	EXPOSURE LIMITS
Ethanol, 2,2',2''-nitrilotris-, triacetate (ester)	3002-18-4	100%	

SECTION 3. -----HAZARDS IDENTIFICATION-----

EYES: Data not available.

SKIN: Data not available.

SWALLOWING: Data not available.

INHALATION: Data not available.

SECTION 4. -----FIRST AID MEASURES-----

EYE CONTACT:

In case of contact, immediately flush eyes with copious amounts of flowing water for at least 15 minutes holding eyelids apart to irrigate thoroughly. Get prompt medical attention.

SKIN CONTACT:

In case of contact, wash affected skin areas thoroughly with soap and water. If irritation develops, consult a physician. Wash contaminated clothing before reuse.

INGESTION:

If swallowed, dilute with water and induce vomiting. Get prompt medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get prompt medical attention.

SECTION 5. -----FIRE FIGHTING MEASURES-----

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Hazardous gases/vapors produced in fire are CO, CO2 and NOx.

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FIRE EXTINGUISHING MEDIA:

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

SPECIAL FIREFIGHTING INSTRUCTIONS:

Wear self-contained breathing apparatus. Wear full protective equipment.

SECTION 6. -----ACCIDENTAL RELEASE MEASURES-----

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Evacuate personnel. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

SPILL CLEANUP MEASURES:

Soak up with sawdust, sand, oil dry, or other absorbent material. Shovel or sweep up, place in suitable container and hold for proper disposal. Ventilate area and wash spill site after material pickup is complete.

SECTION 7. -----HANDLING AND STORAGE-----

HANDLING AND STORAGE REQUIREMENTS:

Store in a cool, dry, well ventilated area. Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

SECTION 8. -----PERSONAL PROTECTION/EXPOSURE CONTROLS-----

EYE/FACE PROTECTION: Wear safety goggles. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact from airborne material. Eye bath available.

SKIN PROTECTION: Wear appropriate impervious clothing such as compatible chemical-resistant coveralls and gloves. Safety shower available.

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator.

ENGINEERING CONTROLS: Use only with adequate ventilation.

SECTION 9. -----PHYSICAL AND CHEMICAL PROPERTIES-----

PHYSICAL STATE: Liquid

MELTING POINT: -40°F

BOILING POINT: 545°F

SPECIFIC GRAVITY: 1.04

APPEARANCE: Dark coffee colored

ODOR: Mild odor

OTHER: Solubility in water: insoluble

SECTION 10. -----STABILITY AND REACTIVITY-----

INCOMPATIBILITIES:

Avoid strong oxidizing agents and bases.

HAZARDOUS DECOMPOSITION:

Hazardous gases/vapors produced are CO, CO₂ and NO_x on burning.

CHEMICAL STABILITY:

Stable.

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HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

SECTION 11. -----TOXICOLOGICAL INFORMATION-----

TOXICOLOGICAL EFFECTS:

To the best of our knowledge, the chemical, physical and toxicological properties have not yet been investigated.

SECTION 12. -----ECOLOGICAL INFORMATION-----

ECOLOGICAL EFFECTS:

Data not yet available.

SECTION 13. -----DISPOSAL INFORMATION-----

WASTE MANAGEMENT PROCEDURES:

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State and Local environmental regulations. Recover nonusable free liquid and dispose of in approved and permitted incinerator.

SECTION 14. -----TRANSPORT INFORMATION-----

TRANSPORTATION INFORMATION:

Not Regulated not listed. Not considered hazardous

-----DOT (DOMESTIC SURFACE)-----

PROPER SHIPPING NAME: Not Regulated not listed by DOT
HAZARD CLASS OR DIVISION:
UN / NA NUMBER:
PACKING GROUP:
DOT PRODUCT RQ lbs (kgs):
HAZARD LABEL (s):
HAZARD PLACARD (s):

-----IMO / IMDG CODE (OCEAN)-----

PROPER SHIPPING NAME: Not Regulated not listed by IMDG
HAZARD CLASS DIVISION NUMBER:
UN NUMBER:
PACKAGING GROUP:
HAZARD LABEL (s):
HAZARD PLACARD (s):

-----ICAO / IATA (AIR)-----

PROPER SHIPPING NAME: Not Regulated not listed by IATA

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HAZARD CLASS DIVISION NUMBER:
UN NUMBER:
SUBSIDIARY RISK:
PACKING GROUP:
HAZARD LABEL (s):
RADIOACTIVE?:
PASSENGER AIR - MAX QTY:
PASSENGER PACKING INSTRUCTION:
CARGO AIR - MAX QTY:
CARGO AIR PACKAGING INSTRUCTION:

SECTION 15. -----REGULATORY INFORMATION-----

REGULATORY INFORMATION:

Regulatory Listings: AICS (Australia); NDSL (Canada); EINECS (EEC); TSCA (USA)

SECTION 16. -----ADDITIONAL INFORMATION-----

ADDITIONAL INFORMATION:

N/A

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Hampford Research, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Hampford Research grants permission to make unlimited paper copies for internal use only.

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