

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Ti-Seal - Ticonium
Product Number: 61405, 61406
Chemical Name: Ethyl Acetate
Chemical Family: Solvent Blend
CAS Number: Blend

Company Identification

Ticonium Co., Div. of CMP Industries LLC
413 North Pearl St
Albany, NY 12207-1311 USA
(518)-434-3147 (For product information)
(800)-424-9300 (For emergencies)
1-800-424-9300 or 1-202-483-7616 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
ETHYL ACETATE	85.0 %	141-78-6
STABELITE ESTER	6.0 %	65997-13-9

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute, chronic hazards.



3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
*                               DANGER                               *
*
* Prolonged exposure may cause kidney, liver and eye             *
* damage.                                                            *
*                                                                     *
*****
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POTENTIAL HEALTH EFFECTS

EYE:

Can causes eye irritation, redness and tearing.

SKIN:

Moderate irritation and sensitization(in susceptible individuals).

INHALATION:

Excessive inhalation of vapors can cause nasal and respiratory irritation. May also cause central nervous system effects such as dizziness, weakness, fatigue, nausea, hedache and possible unconsciousness.

INGESTION:

Can cause gastrointestinal irritation, nausea, vomitting and diarrhea.

SIGNS AND SYMPTOMS OF EXPOSURE:

Signs of prolonged exposure will cause nausea, headache, drowsiness and unconsciousness.

CHRONIC EFFECTS:

Overexposure to this material and it's components have been suggested as a cause of the following effects in humans: liver abnormalities, kidney damage and irreversible eye damage.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:

Individuals with pre-existing skin disorders may be more susceptible to severe irritation and possible sensitization.



4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Contact a physician.

SKIN CONTACT FIRST AID:

Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes.

INHALATION FIRST AID:

If breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Keep victim warm and quiet. Seek medical attention.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Induce vomiting by sticking finger at back of throat or by giving IPECAC syrup. Never give anything by mouth to an unconscious person. Contact a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: -2.8 C (27.0 F)
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical and water spray.

FIRE & EXPLOSION HAZARDS:

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

FIRE FIGHTING INSTRUCTIONS:

Wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full facepiece with protective gear.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.



(section 6 continued)

LARGE SPILLS PROCEDURE:

Eliminate all ignition sources (flares, flames, including pilot lights and electrical sparks). Anyone without protective gear should be restricted from area of spill until completely clean. Stop spill at source, dike area to prevent spreading, pump liquid to salvage tank. Remaining liquid should be taken up on sand, earth, clay or floor absorbent and shoveled into containers. Prevent run off to sewers, streams and other bodies of water. If run off occurs, notify proper authorities of the spill.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Spills on porous surfaces can contaminate groundwater.

SMALL SPILLS PROCEDURE:

Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Containers of this material may be hazardous when emptied, since emptied containers retain product residues. All hazard precautions given in this datasheet must be observed.

HANDLING (PHYSICAL ASPECTS):

Store in a cool dry area.

STORAGE PRECAUTIONS:

Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

If user operations generate fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Wear neoprene gloves to minimize skin contamination.

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.



(section 8 continued)

MISCELLANEOUS:

Wear impervious clothing and boots to prevent repeated and prolonged skin contact.

EXPOSURE GUIDELINES:

ETHYL ACETATE

OSHA PEL: 400 ppm, 1400 mg/m³

OSHA TWA: 400 ppm, 1400 mg/m³

STABELITE ESTER

OSHA PEL: 5 mg/m³

OSHA TWA: 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Colorless
ODOR: Fragrant
BOILING POINT: 161 F
VAPOR PRESSURE: 73 mm Hg
VAPOR DENSITY: 3 (Air = 1)
SOLUBILITY IN WATER ...: Slight
SPECIFIC GRAVITY: .8945 (Water = 1)
EVAPORATION RATE: 4.2

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with oxidizing agentst.

DECOMPOSITION:

Not determined.

11. TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS /:

May cause respiratory disease.



(section 11 continued)

ETHYL ACETATE

Test Code: Oral LD50
Species: Rat
Results: 5620 mg/kg

Test Code: Acute Oral Toxicity
Description: Mutagenicity
Species: S, Cerevisiae
Results: 24,400 ppm resulted in sex change in chromosome loss with nondisjunction.

Test Code: TCLO
Description: Inhalation
Species: Human
Results: 400 ppm caused conjunctival irritation and lung or respiratory changes.

STABELITE ESTER

Test Code: Oral LD50
Species: Guinea Pigs
Results: 20+ g/kg

Test Code: LC50
Description: Inhalation
Species: Rat
Results: 200 g/m³ caused somnolence, acute pulmonary edema and changes in structure or function of salivary glands.

Test Code: Oral LD50
Species: Rat
Results: 1.5 mg/L for 6 hours showed no adverse effects.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Dispose of waste material in accordance with all local, state/provincial, and national requirements.



14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Ti-Seal - Ticonium
D.O.T. SHIPPING NAME: Etyl Acetate flammable liquid
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Flammable Liquid
UN NUMBER: N/A

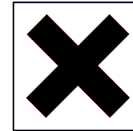
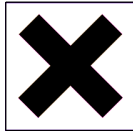
15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = SARA 313	02 = CA Proposition 65
03 = SARA 302/304	04 = CERCLA 302.4
05 = ACGIH TWA	06 = ACGIH STEL
07 = ACGIH CALC TLV	08 = OSHA PEL
09 = CANADIAN WHMIS	10 = OSHA Ceiling

EEC Symbols and Indications of Danger:

Highly flammable (F), Harmful (Xn), Irritant (Xi)



R-Phrases:

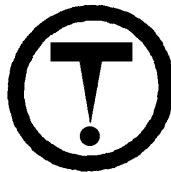
R10 - Flammable.
R36/37/38 - Irritating to eyes, respiratory system, and skin.

S-Phrases:

S24/25 - Avoid contact with skin and eyes.
S28 - After contact with skin, wash immediately with plenty of soap and water.
S15 - Keep away from heat.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



Canadian Disclosure List

ETHYL ACETATE (141-78-6)

CERCLA Hazardous Substances

ETHYL ACETATE (141-78-6) -- RQ 5000 lb



(section 15 continued)

RCRA Hazardous Substances

ETHYL ACETATE (141-78-6) -- RCRA Code: U112

16. OTHER INFORMATION

REASON FOR ISSUE ...: Add current date to MSDS
PREPARED BY: Phyll Tabone
APPROVED BY: John Nicpon
TITLE: Quality Manager
APPROVAL DATE: January 29, 2008
SUPERCEDES DATE: May 12, 2006
MSDS NUMBER: 61405 61406
RTN NUMBER: 00000108 (Official Copy)

ABBREVIATIONS USED IN THIS MSDS:

TLV - THRESHOLD LIMIT VALUE	TWA - Time Weighted Average
STEL - SHORT TERM EXPOSURE LIMIT	TPQ - Threshold Planning Quantity
RQ - REPORTABLE QUANTITY	PEL - Permissible Exposure Limit
C - CEILING LIMIT	CAS - Chemical Abstract Service Number
NDA - NO DATA AVAILABLE	N/A - Not Applicable or Not Available

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END OF MSDS

