

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Duplicating Material - Ticonium  
Product Number: 72-4, 72-9, 136, 72-9LT  
CAS Number: Blend

### Company Identification

Ticonium, 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 1-703-741-5500 (CHEMTREC)

## 2. HAZARDS IDENTIFICATION

### **EMERGENCY OVERVIEW:**

WARNING: Overexposure to Aluminum Sulfate (or it's components) has been suggested as a cause of the following effects in humans: Lung damage and eye damage.

### **GHS Classification:**

Skin Corrosion/Irritation-Category 5  
Acute Toxicity, Inhalation - Category 5

### **GHS Hazard Symbols:**

Irritant



### **EYE:**

Causes eye irritation.

### **SKIN:**

Causes skin irritation.

### **INHALATION:**

Prolonged or excessive inhalation may cause respiratory tract irritation.

### **INGESTION:**



Can cause nausea and vomiting.

**CHRONIC EFFECTS:**

May cause lung and eye damage.

**REPRODUCTIVE HAZARDS:**

None.

**CARCINOGENICITY INFORMATION:**

No known cancer hazards.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
GLYCERINE	15.0 %	56-81-5
ALUMINUM SULFATE	0.2 %	10043-01-3

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.

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

In case of contact, immediately flush eyes with plenty of water, lifting upper and lower lids, for at least 15 minutes. Get immediate medical attention.

**SKIN CONTACT FIRST AID:**

Wash skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops. Launder clothing before re-use.

If cool wax contacts skin, wash with warm soapy water.

**INHALATION FIRST AID:**

If inhaled, remove to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Contact a physician immediately.

**INGESTION FIRST AID:**

Contact a physician immediately. Do not induce vomiting. If conscious, give water to dilute. Never give anything to an unconscious or convulsing person.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES**

COC Flash Point: N/A

Autoignition Temperature: N/A



**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

**EXTINGUISHING MEDIA:**

Use alcohol foam or dry chemical.

**FIRE & EXPLOSION HAZARDS:**

None known.

**FIRE FIGHTING INSTRUCTIONS:**

As in any fire, wear self-contained breathing apparatus in the positive pressure-demand NIOSH (approved or equivalent) and full protective gear. Cool fired exposed containers with water.

**COMBUSTION PRODUCTS:**

Carbon monoxide, carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

**LARGE SPILLS PROCEDURE:**

Wait until gel is formed and pick-up to dispose of.

Wear respirator and protective clothing as appropriate. Shut off source of leak. Dike & contain. Allow wax to cool and remove as solid.

**SMALL SPILLS PROCEDURE:**

Same as large spill.

## 7. HANDLING AND STORAGE

**HANDLING (PERSONNEL):**

Avoid contact with the eyes, skin and clothing. Avoid breathing mists. Wear protective clothing and equipment. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

**STORAGE PRECAUTIONS:**

Avoid excessive hot or freezing areas. Store in a cool, dry, well-ventilated place.

**MISCELLANEOUS:**

Do not reuse containers. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYE / FACE PROTECTION REQUIREMENTS:**

Use safety glasses with side shields or chemical splash goggles.

**SKIN PROTECTION REQUIREMENTS:**

Use natural rubber, neoprene or polyvinyl gloves and protection.



**RESPIRATORY PROTECTION REQUIREMENTS:**

If exposure exceeds exposure limits, use NIOSH approved respirator.

**MISCELLANEOUS:**

Use general or local ventilation.

**EXPOSURE GUIDELINES:**

**GLYCERINE**

OSHA PEL: 10 mg/m<sup>3</sup>

OSHA TWA: 10 mg/m<sup>3</sup>

**ALUMINUM SULFATE**

OSHA TWA: 2 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Gel
COLOR:	Translucent
ODOR:	No odor
BOILING POINT:	212 F
VAPOR PRESSURE:	3 mm Hg
VAPOR DENSITY:	3.1 (Air = 1)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.1 (Water = 1)
% VOLATILES:	30 %

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable.

**POLYMERIZATION:**

Product will not undergo polymerization.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Avoid contact with strong oxidizing agents, alkalies, alkali metals.

**DECOMPOSITION:**

Glycerin may liberate acrolein.

## 11. TOXICOLOGICAL INFORMATION

**GLYCERINE**

Test Code: Oral LD50

Species: Rat

Results: 12600 mg/kg

Test Code: Oral LD50

Species: Mouse

Results: 26000 mg/kg



**ALUMINUM SULFATE**

Test Code: Oral LD50  
Description: Acute Oral Effects  
Species: Mouse  
Results: 6207 mg/kg

Test Code: Lymphocyte Study  
Description: Mutagenicity  
Species: Human  
Results: 20 mg/L caused sister chromatid exchange.

Test Code: Intraperitoneal  
Description: Reproductive  
Species: Mouse  
Results: 800 mg/kg administered from 10-13 days of pregnancy affected newborn growth statistics and behavior.

**12. ECOLOGICAL INFORMATION**

**ALUMINUM SULFATE**

Test Code: TLM  
Species: Mosquito Fish  
Results: 235 ppm/96 hr

Test Code: LC50  
Species: Largemouth Bass  
Results: 250 ppm/96 hr

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:**

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

**14. TRANSPORT INFORMATION**

PRODUCT LABEL:	Duplicating Material - Ticonium
D.O.T. SHIPPING NAME:	N/A
TECHNICAL SHIPPING NAME:	N/A
D.O.T. HAZARD CLASS:	N/A
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:**

Harmful (Xn), Irritant (Xi)



**R-Phrases:**

R20/21 - Harmful by inhalation and in contact with skin.

R36/38 - Irritating to eyes and skin.

R37 - Irritating to respiratory system.

**S-Phrases:**

S3/9 - Keep in a cool, well-ventilated place.

**WHMIS Hazard Symbols:**

Class D2 - Materials Causing Other Toxic Effects



**CERCLA Hazardous Substances**

ALUMINUM SULFATE (10043-01-3) -- RQ 5000 lb

## 16. OTHER INFORMATION

REASON FOR ISSUE:	Add additional product number
PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	April 1, 2015
SUPERCEDES DATE:	April 1, 2015
RTN NUMBER:	00000091 (Official Copy)

**HMIS Rating:**

Health - 1  
Flammability - 0  
Reactivity - 0

**NFPA Rating:**

Health - 1  
Flammability - 0  
Reactivity - 0

**ABBREVIATIONS USED IN THIS MSDS:**



TLV - THRESHOLD LIMIT VALUE  
STEL - SHORT TERM EXPOSURE LIMIT  
RQ - REPORTABLE QUANTITY  
C - CEILING LIMIT  
NDA - NO DATA AVAILABLE

TWA - Time Weighted Average  
TPQ - Threshold Planning Quantity  
PEL - Permissible Exposure Limit  
CAS - Chemical Abstract Service Number  
N/A - Not Applicable or Not Available

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**END OF SAFETY DATA SHEET**

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