



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURING LOCATION:

Rutland Plastic Technologies, Inc.
 10021 Rodney Street
 Pineville, NC 28134
 704/553-0046

HAZARDOUS MATERIAL INFORMATION SYSTEM:

Health:	2
Flammability:	0
Reactivity:	0
Personal Protection:	B

IN CASE OF EMERGENCY CONTACT: 704/553-0046

PRODUCT NAME: Flame Retardant additive
CHEMICAL FAMILY: Mixture
PRODUCT CODE: MR0241

MSDS NUMBER: 076
DATE REVISED: 10/9/2006
DATE PRINTED: 7/29/2008
SUPERSEDES: 3/28/2005

PREPARED BY: Kimberly C. Leitch (704) 553-0046 ext. 155

2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
Antimony Trioxide	1309-64-4	<5%	.5 mg Sb/m ³	.5 mg Sb/m ³

The above ingredient is defined as hazardous by OSHA 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

EYE CONTACT: May cause moderate eye irritation.

SKIN CONTACT: May be irritating to skin.
 Dermatitis may result from repeated skin contact with antimony compounds.

INGESTION: Antimony ingestion may cause severe irritation of the intestinal lining.

INHALATION: Heated vapors may irritate eyes, nose, throat, mucous membranes and respiratory system.

4. FIRST AID MEASURES

EYES: Flush immediately with water for 15 minutes. Get medical attention.

SKIN: Remove contaminated clothing. Wash thoroughly with soap and water.

INHALATION: Remove to fresh air for relief. Get medical attention if necessary.

INGESTION: If victim is conscious, give liquids and induce vomiting. Get medical attention.

MEDICAL CONDITIONS AGGRAVATED: Diseases of the lung, kidney, liver, and nervous system.

NOTE TO PHYSICIAN: None

5. FIRE FIGHTING MEASURES

FLASH POINT (° F): 390° F (PMCC)

OSHA FLAMMABILITY CLASSIFICATION: None

EXTINGUISHING MEDIA: Water fog, Carbon Dioxide, Dry Chemical, Multipurpose foam

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing including self-contained breathing apparatus.

EXPLOSION LIMITS IN AIR - LOWER (%): Not Available **UPPER (%):** Not Available

AUTO IGNITION TEMP (° F): Not Available

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not an explosion hazard

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Avoid heated vapors.

STORAGE: Do not store near heat or flame. Store in closed containers when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

RESPIRATORY PROTECTION EQUIPMENT:	Not necessary at room temperature. In high temperature applications, use an NIOSH approved organic vapor respirator.
PROTECTIVE GLOVES:	Recommended
EYE AND FACE PROTECTION:	Chemical safety glasses recommended
OTHER PROTECTIVE EQUIPMENT:	Not usually required
VENTILATION:	Local exhaust as needed near processing equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range/Point:	>400° F
Vapor Pressure:	Not Available
Vapor Density (AIR=1):	>1
Freezing Point:	Not Applicable
Melting Point:	Not Applicable
Physical State:	Thick Liquid
Color:	Cream
% Volatile by Weight:	Not Available
VOC (g/l):	Not Available
Evaporation Rate (Butyl Acetate=1):	Not Available
Specific Gravity @ 25° C:	1.35-1.42
Weight per gallon:	11.25-11.8

10. STABILITY AND REACTIVITY

STABILITY:	Material is stable
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:	CO, CO ₂ , HCl
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong acids, bases, nascent hydrogen, reducing agents.
CONDITIONS TO AVOID:	Excessive heat

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:	Antimony trioxide is classified as an IARC group IIB suspect carcinogen based on rat inhalation tests. The liquid form of this product makes this a highly unlikely means of exposure.		
ACUTE ORAL LD50:	>5000 mg/kg (rat);	ACUTE DERMAL LD50:	>2000 mg/kg (rat)
ACUTE INHALATION LC50:	>200 mg/L (rat, 1 hour)		

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not Available

CHEMICAL FATE INFORMATION: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposed material is not a listed RCRA Hazardous waste.
Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

14. TRANSPORT INFORMATION

Not regulated for shipment in single containers holding 20,000 lbs. or less.

DOT SHIPPING NAME: Environmentally Hazardous Substance, liquid, N.O.S.

DOT HAZARD CLASS: 9

UN/NA NUMBER: UN3082

DOT PACKING GROUP: III

15. REGULATORY INFORMATION

TSCA STATUS: All components of these products are on the US TSCA Inventory.

CALIFORNIA PROPOSITION 65: Antimony trioxide 1309-64-4

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST: None

SARA (311,312) HAZARD CLASS: Immediate (acute) health
Delayed (chronic) health

SARA SECTION 313 TOXIC CHEMICALS: Antimony compounds

CARCINOGENS ACCORDING TO NTP, IARC, OR OSHA: IARC group IIB (Antimony)

CERCLA RQ: 20,000 lbs. (1000 lbs antimony trioxide)

AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES: Unknown at this time.

CANADIAN INVENTORY: Antimony trioxide 1309-64-4

EINECS REGULATIONS: Unknown at this time.

JAPAN: Unknown at this time.

KOREAN CHEMICAL INVENTORY: Unknown at this time.

16. OTHER INFORMATION

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