

**AMP**AMP INCORPORATED  
HARRISBURG, PA 17105**MATERIAL SAFETY DATA SHEET****125-6302**

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PREVIOUS REV	

Rev O

**SECTION I**

MANUFACTURER'S NAME: MACH I COMPOUNDING - DIVISION OF BURTON RUBBER PROCESSING, INC.  
ADDRESS: 775 E. HIGHLAND ROAD, MACEDONIA, OHIO 44056  
TELEPHONE NO. (216) 467-8108  
AMP PRODUCT NAME &/OR NUMBER: AMPSULATION HWP31  
TRADE NAME & SYNONYM: 702693-1/M  
CHEMICAL NAME AND SYNONYM: EPDM, PE BLEND  
CHEMICAL FAMILY: POLYMERIC  
FORMULA: PROPRIETARY

**SECTION II INGREDIENTS****HAZARDOUS INGREDIENTS**

ACGIH TLV	OSHA PEL	OTHER **
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Materials listed in this section are in concentrations of 0.1% or more if carcinogenic and 1% or more if toxic, irritant, etc.  
Per 29CFR 1910.1200.

2-Mercapto-4(5)-Methyl-benzimidazole zinc salt, CAS 61617-00-3	Irritant-eye, respiratory	NE	NE	NE
Solvent refined residuum, CAS 64742-01-4	Irritant-eye, skin	5.00 MG/M3	5.00 MG/M3	5.00 MG/M3
**Source for other- 8 hr. TWA - Government regulation				
Trimethylolpropane trimethacrylate (TMPTMA), CAS 3290-92-4	Irritant-eye, skin	NE	NE	NE

Base polymer may liberate irritants above 295C

\*NE - NOT ESTABLISHED

**SECTION III PHYSICAL DATA**

BOILING POINT (O F.)	NA*	SPECIFIC GRAVITY (H2O=1)	1.17
VAPOR PRESSURE (MM HG.)	NA	PERCENT VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR=1)	NA		
SOLUBILITY IN WATER	NIL	EVAPORATION RATE	NA
APPEARANCE AND ODOR	NATURAL HV. FILL POLYMERIC SOLID; CHARACTERISTIC ODOR		

\*NA - NOT APPLICABLE

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED)	NA*	FLAMMABLE LIMITS	NA
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EXTINGUISHING MEDIA - Water spray, protein type air foam, ABC dry chemical  
SPECIAL FIRE FIGHTING PROCEDURES - Wear self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARDS - None  
\*NA - Not Applicable

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## SECTION V REACTIVITY DATA

STABILITY –  
HAZARDOUS POLYMERIZATION –  
MATERIALS TO AVOID –

STABLE; Avoid Decomposition Temperatures  
Will not occur; No conditions to avoid  
Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS  
CO, CO<sub>2</sub>

## SECTION VI HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE – See Section II. Entry Route: Inhalation, skin, eye

### EFFECTS OF OVEREXPOSURE

Containment in polymeric binder greatly reduces risk of contact with hazardous materials.

The benzimidazole zinc salt causes eye irritation and may cause upper respiratory tract irritation; toxic by ingestion; contains 1–2% untreated mineral oil – reported to cause skin tumors in lab animals. Solvent refined residuum may cause mild skin irritation upon prolonged or repeated contact; may cause minimal eye irritation. TMPTMA may cause moderate eye irritation with a burning sensation, tearing, redness or swelling; may cause delayed skin irritation and blistering.

### EMERGENCY AND FIRST AID PROCEDURES

Flush eyes/skin with plenty of water – consult physician if irritation persists

If inhaled remove to fresh air – If ingested, consult physician

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Individuals with chronic respiratory disorders (I.E., asthma, chronic bronchitis, emphysema, etc.) may be adversely affected by any fume or airborne particulate exposure. Sensitive individual may be susceptible to allergic reaction upon contact with skin, eyes, or respiratory tract.

## SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

COLLECT: Return to container

WASTE DISPOSAL METHOD:

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

## SECTION VIII SPECIAL PROTECTION INFORMATION

### RESPIRATORY PROTECTION

Recommend NIOSH approved organic vapor respirator if ventilation is inadequate

VENTILATION: Local exhaust – Yes

Mechanical (General) – Yes

PROTECTIVE GLOVES: Recommended impervious

Eye protection – Recommended

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing

Store below 120 F away from direct sources of heat and sunlight.

Other precautions: Wash thoroughly after handling

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A class of materials called nitrosamines are animal carcinogens and should be treated as possible human carcinogens. Because many rubber materials contain amine-based ingredients, trace residual amounts (well below 0.1%) of nitrosamine are likely to exist in most rubber compounds as a result of being formed in earlier processing steps; certain processing steps can form higher amounts of nitrosamines. Avoid mixing or exposing this product with: nitrates, nitrites, nitrogen oxides or other nitrosamines as potentially hazardous levels of nitrosamines may be formed. Salt bath curing with nitrate/nitrite salts can be expected to produce hazardous amounts of volatile nitrosamines. Emissions from such processes must be exhausted. Employees must avoid inhaling fumes from hot rubber processing.

SIGNATURE Lonnie L. Porter

TITLE

CHEMIST

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