

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label) Poly V® Plastic Blast Abrasive (Type V)	
MANUFACTURER'S NAME U.S. Technology Corporation	EMERGENCY TELEPHONE NO. 330) 455-1181
ADDRESS (Number, Street, City and Zip Code) 1446 W. Tuscarawas St., Canton OH 44702	DATE PREPARED/REVISED NO. April 20, 2010-5
MATERIAL DESCRIPTION, PROPER SHIPPING NAME Plastic Abrasive	
HAZARD CLASSES (as applicable): Non-regulated	
CHEMICAL FAMILY: Acrylic Polymer	FORMULA: N.A.

SECTION II – INGREDIENTS (list all ingredients)

CAS REGISTRY NO.	Approx. %W	Chemical Name(s)	OSHA PEL	ACGIH TLV	Other Limits Recommended
25852-37-3	>1%	Acrylate Polymer (Non-Hazardous)	N.E.	N.E.	
80-62-6	Trace	Methyl Methacrylate Monomer	100	100 ppm	
2764-13-8	<1%	Anti-Static Agent – Cal Stat 600	N.A.	N.A.	

SECTION III – PHYSICAL DATA

BOILING POINT ____ °F ____ °C N.A.	SPECIFIC GRAVITY (H₂O=1): 1.10 -1.20	
MELTING POINT ____ °F <u>132</u> °C	PERCENT VOLATILE BY VOLUME (%) N.A.	PERCENT SOLID BY WEIGHT (%) 100
VAPOR DENSITY (AIR=1) N.A.	EVAPORATION RATE (=1) N.A.	
SOLUBILITY IN WATER Not	pH= 4-8	
APPEARANCE AND ODOR: Multi-colored or clear white granules with slight odor or methyl methacrylate		MATERIAL FORM: Solid

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT ____ °F ____ °C N.A.	FLAMMABLE: N.A.	LEL: N.A.	UEL: N.A.
EXTINGUISHING MEDIA: Carbon dioxide, dry chemicals or water fog.			
SPECIAL FIRE FIGHTING PROCEDURES: Wear respirator (MSHA/NIOSH approved) and full protective gear. Do not use high-pressure water stream. Fog nozzles are preferable.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is a combustible thermoplastic resin. Burns vigorously with heat. High dust concentration could form explosive mixture with air.			

SECTION V – HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE – Conditions to avoid: Mechanical injury to eyes and/or skin can occur. Excessive dust inhalation may be harmful.	THRESHOLD LIMIT VALUE: _____ PERMISSIBLE EXPOSURE LIMIT: _____
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Other (specify) _____	
EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. Skin: Wash affected area with soap and water. Eye: Flush immediately with large amounts of lukewarm water. Call physician if necessary.	

SECTION VI – REACTIVITY DATA

STABILITY: <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID: Temperatures over 260C (500°F)
INCOMPATIBILITY (Materials to avoid): Strong acids, bases, oxidizing agents.	
HAZARDOUS DECOMPOSITION or BYPRODUCTS: Acrylic monomers	
HAZARDOUS POLYMERIZATION: <input checked="" type="checkbox"/> MAY NOT OCCUR <input type="checkbox"/> MAY OCCUR	CONDITIONS TO AVOID: N.A.

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove open flame, sparks, hot surfaces, and oxidizing agents. Sweep up and place waste in disposal container.	
WASTE DISPOSAL METHOD: Sanitary landfill in accordance with Federal, State, and Local regulations.	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs.): N.A.	
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33): N.A.	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water): N.A.	
<input type="checkbox"/> Theoretical _____ lbs. /gal.	<input type="checkbox"/> Analytical _____ lbs. /gal.

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type): Where required, use NIOSH/MSHA approved respiratory protection in compliance with OSHA regulations (i.e. 1910.134 et. al.).	
VENTILATION	LOCAL EXHAUST (Specify Rate): Where necessary to maintain exposure levels to OSHA permissible levels.
	MECHANICAL (General – Specify Rate): Acceptable
	SPECIAL: Explosion proof may be necessary if aerated or airveyed.
	OTHER:
PROTECTIVE GLOVES (Specify Type): Normal	
EYE PROTECTION (Specify Type): Safety goggles	
OTHER PROTECTION EQUIPMENT: Respirator hood, if necessary.	

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in closed, properly labeled containers in cool ventilated area. Keep away from heat, sparks, open flame and oxidizing agents. Do not transfer to unmarked containers.
OTHER PRECAUTIONS: None

Prepared by:
Name (print): Dan Kinsinger
Title: Quality Assurance Manager
Date Reviewed: April 20, 2010-5