

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label) Polyhard® Plastic Blast Abrasive (Type III)		
MANUFACTURER'S NAME U.S. Technology Corporation		EMERGENCY TELEPHONE NO. (330) 455-1181
ADDRESS (Number, Street, City, and Zip Code) 1446 W. Tuscarawas Street, Canton, OH 44702		DATE PREPARED/REVISED – NO. September 29, 2008-4
MATERIAL DESCRIPTION, PROPER SHIPPING NAME Plastic Abrasive		
HAZARD CLASSES (as applicable): Non-Regulated		
CHEMICAL FAMILY: Amino Thermoset Plastic		FORMULA: N.A.

SECTION II – INGREDIENTS

(list all ingredients)

CAS REGISTRY NO.	Approx. %W	CHEMICAL NAME (S)	OSHA PEL	ACGIH TLV	Other Limits Recommended
9003-08-1	>1%	Polymerized Melamine Molding Compound			
9004-34-6	>1%	Alpha Cellulose Filler			
5280-80-8 13463-67-7 12769-96-9	<1%	Pigments and Additives			
2764-13-8	<1%	Anti-Static Agent – Cal Stat 600			

SECTION III – PHYSICAL DATA

BOILING POINT ___°F ___°C	N.A.	SPECIFIC GRAVITY (H₂O=1)	1.47 1.52		
MELTING POINT ___°F ___°C	N.A.	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	N.A.	pH=	4-8		
APPEARANCE AND ODOR: Multi-colored granules with slight plastic odor				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 Do not use high-pressure water stream. Fog nozzles are preferable.							
UNUSUAL FIRE AND EXPLOSION HAZARDS Maintain normal housekeeping for control of dust. 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 <table style="float: right; border: 1px solid black; width: 100px;"> <tr><td style="height: 15px;"> </td></tr> <tr><td style="height: 15px;"> </td></tr> </table>		
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) Eye: Through mechanical contact only			
EMERGENCY AND FIRST AID PROCEDURES: In case of irritation, flush eyes or skin with plenty of water for 15 minutes. In case of excessive inhalation of dust, remove to fresh air and call physician, if necessary.			

SECTION VI – REACTIVITY DATA

STABILITY	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">UNSTABLE</td> <td style="width: 50%; padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;">STABLE</td> <td style="text-align: center; padding: 2px;">X</td> </tr> </table>	UNSTABLE		STABLE	X	CONDITIONS TO AVOID: None known
UNSTABLE						
STABLE	X					
INCOMPATIBILITY (materials to avoid): No specific incompatibility						
HAZARDOUS DECOMPOSITION PRODUCTS:						
HAZARDOUS POLYMERIZATION	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">MAY OCCUR</td> <td style="width: 50%; padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;">MAY NOT OCCUR</td> <td style="text-align: center; padding: 2px;">X</td> </tr> </table>	MAY OCCUR		MAY NOT OCCUR	X	CONDITIONS TO AVOID: None Known
MAY OCCUR						
MAY NOT OCCUR	X					

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 containers.
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	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">LOCAL EXHAUST (Specify Rate): Where necessary to maintain exposure levels to OSHA permissible levels</td> <td style="width: 50%; padding: 2px;">SPECIAL: Explosion proof may be necessary if aerated or air-conveyed</td> </tr> <tr> <td style="padding: 2px;">MECHANICAL (General – Specify Rate): Acceptable</td> <td style="padding: 2px;">OTHER: N.A.</td> </tr> </table>	LOCAL EXHAUST (Specify Rate): Where necessary to maintain exposure levels to OSHA permissible levels	SPECIAL: Explosion proof may be necessary if aerated or air-conveyed	MECHANICAL (General – Specify Rate): Acceptable	OTHER: N.A.	
LOCAL EXHAUST (Specify Rate): Where necessary to maintain exposure levels to OSHA permissible levels	SPECIAL: Explosion proof may be necessary if aerated or air-conveyed					
MECHANICAL (General – Specify Rate): Acceptable	OTHER: N.A.					
PROTECTIVE GLOVES (Specify Type): Normal work gloves	EYE PROTECTION (Specify Type): Safety goggles					
OTHER PROTECTION EQUIPMENT: Special protection is required for workers exposed to blasting operation.						

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: Determine compliance with OSHA 1910.1000 Table Z-3 "Inert or Nuisance Dust"

Prepared by:

Name (print): Dan Kinsinger
Title: Quality Assurance Manager
Date Reviewed: September 29, 2008-4