

**SECTION I**

<b>PRODUCT NAME OR NUMBER (as it appears on label)</b> Polyhard® Plastic Blast Abrasive (Type III)		
<b>MANUFACTURER'S NAME</b> U.S. Technology Corporation		<b>EMERGENCY TELEPHONE NO.</b> (330) 455-1181
<b>ADDRESS (Number, Street, City, and Zip Code)</b> 1446 W. Tuscarawas Street, Canton, OH 44702		<b>DATE PREPARED/REVISED – NO.</b> January 5, 2004 – 02
<b>MATERIAL DESCRIPTION, PROPER SHIPPING NAME</b> Plastic Abrasive		
<b>HAZARD CLASSES (as applicable): - Non-Regulated</b>		
<b>CHEMICAL FAMILY: - Amino Thermoset Plastic</b>		<b>FORMULA: - N.A.</b>

**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			
N.A.	<1%	Pigments and additives			
2764-13-8	<1%	Anti-static agent - Cal Stat 600			

**SECTION III – PHYSICAL DATA**

<b>BOILING POINT</b> ___°F ___C	N.A.	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	1.47 1.52		
<b>MELTING POINT</b> ___°F ___C	N.A.	<b>PERCENT VOLATILE BY VOLUME (%)</b>	N.A.	<b>PERCENT SOLID BY WEIGHT (%)</b>	100
<b>VAPOR DENSITY (AIR=1)</b>	N.A.	<b>EVAPORATION RATE (=1)</b>	N.A.		
<b>SOLUBILITY IN WATER</b>	N.A.	<b>pH=</b>	4-8		
<b>APPEARANCE AND ODOR - Multi-colored granules with slight plastic odor</b>				<b>MATERIAL FORM: - Solid</b>	

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT</b> ___°F ___C – N.A.	<b>FLAMMABLE</b> N.A.	<b>LEL</b> N.A.	<b>UEL</b> N.A.
<b>EXTINGUISHING MEDIA</b> – Carbon dioxide, dry chemicals or water fog			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> – Do not use high-pressure water stream. Fog nozzles are preferable.			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> – Maintain normal housekeeping for control of dust. High dust concentration could form explosive mixture with air.			

## SECTION V – HEALTH HAZARD DATA

<b>EFFECTS OF OVEREXPOSURE – Conditions to Avoid:</b> - Mechanical injury to eyes and/or skin can occur. Excessive dust inhalation may be harmful.	<b>THRESHOLD LIMIT VALUE PERMISSIBLE EXPOSURE LIMIT</b> <span style="border: 1px solid black; display: inline-block; width: 80px; height: 15px; vertical-align: middle;"></span>
<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) - Eye – Through mechanical contact only	
<b>EMERGENCY AND FIRST AID PROCEDURES:</b> 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

<b>STABILITY</b>	<b>UNSTABLE</b>		<b>CONDITIONS TO AVOID –</b> None known
	<b>STABLE</b>	X	
<b>INCOMPATIBILITY (materials to avoid):</b> - No specific incompatibility			
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>			
<b>HAZARDOUS POLYMERIZATION</b>	<b>MAY OCCUR</b>		<b>CONDITIONS TO AVOID:</b> - None Known
	<b>MAY NOT OCCUR</b>	X	

## SECTION VII – SPILL OR LEAK PROCEDURES

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

## SECTION VIII – SPECIAL PROTECTION INFORMATION

<b>RESPIRATORY PROTECTION (Specify Type):</b> - Where required, use NIOSH/MSHA approved respiratory protection in compliance with OSHA regulations (i.e.1910.134 et.al.)		
<b>VENTILATION</b>	<b>LOCAL EXHAUST (Specify Rate):</b> - Where necessary to maintain exposure levels to OSHA permissible levels	<b>SPECIAL:</b> - Explosion proof may be necessary if aerated or air-conveyed
	<b>MECHANICAL (General – Specify Rate):</b> - Acceptable	<b>OTHER:</b> - N.A.
<b>PROTECTIVE GLOVES (Specify Type):</b> - Normal work gloves		<b>EYE PROTECTION (Specify Type):</b> - Safety goggles
<b>OTHER PROTECTION EQUIPMENT:</b> - Special protection is required for workers exposed to blasting operation.		

## SECTION IX – SPECIAL PRECAUTIONS

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:</b> - 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.
<b>OTHER PRECAUTIONS:</b> - 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: January 5, 2004