



\*Estimated  
N/A-Not Applicable  
N/R-Not Restricted  
N/E-Not Established

## MATERIAL SAFETY DATA SHEET

<b>NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.</b>					
<b>IDENTITY</b> (As shown on Label or package) HCF F-688 / F-688'S'			<b>PART NO.</b> IF APPLICABLE		
<b>SECTION I</b>					
<b>MANUFACTURER'S NAME</b> Plasti Dip International, Inc.			<b>EMERGENCY PHONE No.</b> USA only: 1-800-424-9300 INT'L: 703-527-3887		
<b>ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)</b> 3920 Pheasant Ridge Drive			<b>REVISION #</b> 0003		
Blaine, MN 55449			<b>MANUFACTURER'S PHONE No. FOR INFORMATION</b> 1-763-785-2156		
			<b>DATE MSDS WAS PREPARED</b> May 25, 2007		
<b>SECTION II - HAZARDOUS INGREDIENTS INFORMATION.</b> All Health Hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater.					
<b>HAZARDOUS COMPONENTS CHEMICAL and IDENTITY AND COMMON NAME (S)</b>	<b>% Wt. (OPTIONAL)</b>	<b>CAS NO.</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>OTHER LIMITS RECOMMEND</b>
Water	55.6 – 57.4	7732-18-5	N/A	N/A	N/A
Kaolin	7.2 – 7.3	1332-58-7	5mg/m <sup>3</sup>	2mg/m <sup>3</sup>	None
2-Butoxyethanol	5.0 - 5.1	111-76-2	25 ppm	25 ppm	Skin
<b>SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS</b>					
<b>BOILING POINT</b> 212 °F	<b>SPECIFIC GRAVITY</b> (H <sub>2</sub> O=1) 1.0 - 1.1		<b>APPROXIMATE WEIGHT PER GALLON (LBS)</b> 8.86		
<b>VAPOR PRESSURE</b> 17.5 mmHg @ 20 °C	<b>VAPOR DENSITY (AIR = 1)</b> Less than 1		<b>EVAPORATION RATE (BUTYL ACETATE =1)</b> Less than 1		
<b>SOLUBILITY IN WATER</b> Dilutable	<b>% VOLATILE</b> 5.1 <b>VOC LBS./GAL</b> 0.5		<b>OTHER (IF ANY)</b> None		
<b>APPEARANCE AND ODOR</b> Syrupy liquid - Various colors - Slight ammonia odor					
<b>SECTION IV-FIRE AND EXPLOSION HAZARD DATA</b>					
<b>FLASH POINT (METHOD USED)</b> N/A		<b>FLAMMABLE LIMITS</b>	<b>LEL</b> N/A	<b>UEL</b> N/A	
<b>EXTINGUISHING MEDIA</b> Carbon Dioxide, Dry Chemical, or Foam					
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode.					
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Material can splatter above 100°C / 212°F. Polymer film can burn.					
<b>HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION</b> Carbon Dioxide and/or Carbon Monoxide.					
<b>EXPLOSIVE LIMITS (% BY VOLUME IN AIR)</b> N/A					
<b>SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION</b>					
<b>HAZARD RATING</b> 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT **SEE SECTION IV		<b>National Fire Protection Association (NFPA)</b>  <b>FIRE</b> 0 <b>REACTIVITY</b> 0  <b>HEALTH</b> 1 <b>SPECIAL HAZARDS</b> 0			

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<b>SECTION VI - REACTIVITY AND STABILITY DATA</b>			
<b>STABILITY</b>	UNSTABLE STABLE X		<b>CONDITIONS TO AVOID</b> None
<b>INCOMPATIBILITY (Materials to Avoid)</b> Oxidizing Material			
<b>HAZARDOUS DECOMPOSITION OR BY PRODUCTS</b> Carbon Dioxide and/or Carbon Monoxide			
<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR WILL NOT OCCUR X		<b>CONDITIONS TO AVOID</b> None
<b>SECTION VII - HEALTH HAZARD DATA</b>			
<b>ROUTES OF ENTRY</b>	INHALATION? yes SKIN? yes INGESTION? yes EYES? yes		
<b>HEALTH HAZARDS</b>	ACUTE X CHRONIC X		
<b>CARCINOGENICITY:</b> No			
<b>SIGNS AND SYMPTOMS OF EXPOSURE</b> Inhalation: Headache, nausea, and irritation of nose, throat and lungs. Skin: Irritating upon repeated or prolonged contact. Eyes: Slightly irritating to eyes.			
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b> None Known			
<b>EMERGENCY AND FIRST AID PROCEDURES</b>	Inhalation: Remove to fresh air. Skin: Wash areas with soap and water. Eyes: Flush thoroughly with water. See a physician if irritation persists. Ingestion: If swallowed, give 2 glasses of water. See a Physician immediately or contact poison control center.		
<b>SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE</b>			
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b>	Dike and contain spill with inert material (sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep run-offs out of municipal sewers and open bodies of water.		
<b>WASTE DISPOSAL METHOD</b> Dispose of in accordance with local, state, federal regulations.			
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE</b>	Avoid contact with eyes. Keep container closed. Use with adequate ventilation.		
<b>OTHER PRECAUTIONS</b>	Keep from freezing - product may coagulate.		
<b>SECTION IX - CONTROL MEASURES</b>			
<b>RESPIRATORY PROTECTION</b> (SPECIFY TYPE) Depending on the Airborne concentration, use a Respirator with appropriate NIOSH approved cartridge or supplied air equipment.		<b>PROTECTIVE GLOVES</b> Impervious Gloves	
<b>VENTILATION</b>	<b>LOCAL EXHAUST</b> Supplemental (if needed)	<b>SPECIAL</b> None	
	<b>MECHANICAL (GENERAL)</b> To maintain exposure below PEL's	<b>OTHER</b> None	
<b>EYE PROTECTION</b> Chemical splash goggles, or approved eye protection.		<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b> Chemical Apron/Eye bath/Safety Shower	
<b>WORK HYGIENIC PRACTICES</b> Wash thoroughly after handling.			
<b>SECTION X - TRANSPORTATION INFORMATION (Optional)</b>			
<b>DOT PROPER SHIPPING NAME</b> Not Regulated		<b>DOT HAZARD CLASS</b> N/A	
<b>DOT UN NUMBER</b> N/A		<b>DOT PACKING GROUP</b> N/A	
<b>IATA PROPER SHIPPING NAME</b> Not Regulated		<b>IATA HAZARD CLASS</b> N/A	
<b>IATA UN NUMBER</b> N/A		<b>IATA PACKING GROUP</b> N/A	
<b>SECTION XI - 313 SUPPLIER NOTIFICATION</b>			
<b>THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT -TO-KNOW ACT OF 1986, 40 CFR 372, (see table on page 1 for CAS # and percent by weight).</b> 2-butoxyethanol			
<b>WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.</b>			

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