

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

MATERIAL SAFETY DATA SHEET

NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.					
IDENTITY (As shown on Label or package) HCF F-688 / F-688'S'			PART NO. IF APPLICABLE 29980035		
SECTION I					
MANUFACTURER'S NAME Plasti Dip International, Inc.			EMERGENCY PHONE No. USA only: 1-800-424-9300 INT'L: 703-527-3887		
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 3920 Pheasant Ridge Drive			REVISION # 0003		
Blaine, MN 55449			MANUFACTURER'S PHONE No. FOR INFORMATION 1-763-785-2156		
			DATE MSDS WAS PREPARED October 20, 2004		
SECTION II - HAZARDOUS INGREDIENTS INFORMATION. All Health Hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater.					
HAZARDOUS COMPONENTS CHEMICAL and IDENTITY AND COMMON NAME (S)	% Wt. (OPTIONAL)	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMEND
Water	55.6 – 57.4	7732-18-5	N/A	N/A	N/A
Kaolin	7.2 – 7.3	1332-58-7	5mg/m ³	2mg/m ³	None
2-Butoxyethanol	5.0 - 5.1	111-76-2	25 ppm	25 ppm	Skin
SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS					
BOILING POINT 212 °F	SPECIFIC GRAVITY (H₂O=1) 1.0 - 1.1		APPROXIMATE WEIGHT PER GALLON (LBS) 8.86		
VAPOR PRESSURE 17.5 mmHg @ 20 °C	VAPOR DENSITY (AIR = 1) Less than 1		EVAPORATION RATE (BUTYL ACETATE =1) Less than 1		
SOLUBILITY IN WATER Dilutable	% VOLATILE 5.1 VOC LBS./GAL 0.5		OTHER (IF ANY) None		
APPEARANCE AND ODOR Syrupy liquid - Various colors - Slight ammonia odor					
SECTION IV-FIRE AND EXPLOSION HAZARD DATA					
FLASH POINT (METHOD USED) N/A		FLAMMABLE LIMITS	LEL N/A	UEL N/A	
EXTINGUISHING MEDIA Carbon Dioxide, Dry Chemical, or Foam					
SPECIAL FIRE FIGHTING PROCEDURES Self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode.					
UNUSUAL FIRE AND EXPLOSION HAZARDS Material can splatter above 100°C / 212°F. Polymer film can burn.					
HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION Carbon Dioxide and/or Carbon Monoxide.					
EXPLOSIVE LIMITS (% BY VOLUME IN AIR) N/A					
SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION					
HAZARD RATING 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT **SEE SECTION IV		National Fire Protection Association (NFPA) FIRE <u> 0 </u> REACTIVITY <u> 0 </u> . HEALTH <u> 1 </u> SPECIAL HAZARDS <u> 0 </u> .			

SECTION VI - REACTIVITY AND STABILITY DATA			
STABILITY	UNSTABLE STABLE X	CONDITIONS TO AVOID None	
INCOMPATIBILITY (Materials to Avoid) Oxidizing Material			
HAZARDOUS DECOMPOSITION OR BY PRODUCTS Carbon Dioxide and/or Carbon Monoxide			
HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR X	CONDITIONS TO AVOID None	
SECTION VII - HEALTH HAZARD DATA			
ROUTES OF ENTRY	INHALATION? yes	SKIN? yes	INGESTION? yes EYES? yes
HEALTH HAZARDS	ACUTE X CHRONIC X		
CARCINOGENICITY: No			
SIGN AND SYMPTOMS OF EXPOSURE			
Inhalation: Headache, nausea, and irritation of nose, throat and lungs. Skin: Irritating upon repeated or prolonged contact. Eyes: Slightly irritating to eyes.			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE None Known			
EMERGENCY AND FIRST AID PROCEDURES			
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.			
SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED			
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.			
WASTE DISPOSAL METHOD Dispose of in accordance with local, state, federal regulations.			
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE			
Avoid contact with eyes. Keep container closed. Use with adequate ventilation.			
OTHER PRECAUTIONS			
Keep from freezing - product may coagulate.			
SECTION IX - CONTROL MEASURES			
RESPIRATORY PROTECTION (SPECIFY TYPE) Depending on the Airborne concentration, use a Respirator with appropriate NIOSH approved cartridge or supplied air equipment.		PROTECTIVE GLOVES Impervious Gloves	
VENTILATION	LOCAL EXHAUST Supplemental (if needed)	SPECIAL None	
	MECHANICAL (GENERAL) To maintain exposure below PEL's	OTHER None	
EYE PROTECTION Chemical splash goggles, or approved eye protection.		OTHER PROTECTIVE CLOTHING OR EQUIPMENT Chemical Apron/Eye bath/Safety Shower	
WORK HYGIENIC PRACTICES Wash thoroughly after handling.			
SECTION X - TRANSPORTATION INFORMATION (Optional)			
DOT PROPER SHIPPING NAME Not Regulated		DOT HAZARD CLASS N/A	
DOT UN NUMBER N/A		DOT PACKING GROUP N/A	
IATA PROPER SHIPPING NAME Not Regulated		IATA HAZARD CLASS N/A	
IATA UN NUMBER N/A		IATA PACKING GROUP N/A	
SECTION XI - 313 SUPPLIER NOTIFICATION			
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). 2-butoxyethanol			
WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.			

This is the "back" when printed in duplex. Page 2 of 2 pages if not duplex.

Prepared By: Andrew Stooksbury