FEB 16 1982

MATERIAL SAFETY DATA SHEET

Form Approved
Bureau Budget No. 45-R0338

SECTION I

MANUFACTURER'S NAME AND FSCM (Federal Supply Code for Manufacturers): Akemi Plastics Incorporated

EMERGENCY PHONE NO.: 517-663-8191

ADDRESS (Number, Street, City, State, and ZIP Code): 5265 South Clinton Trail Eaton Rapids, Michigan 48827

CHEMICAL NAME AND SYNONYMS: Benzoyl Peroxide Paste

TRADE NAME AND SYNONYMS: Akemi Hi-Speed Hardener Paste

CHEMICAL FAMILY: Aromatic Diacyl Peroxide

FORMULA: $(C_6H_5CO)_2O_2$

FEDERAL STOCK NUMBER (FSN):

GROSS WEIGHT (LBS):

OUTSIDE PACKAGE DIMENSIONS (Inches):

MIL-STD-1341/NATIONAL FIRE PROTECTION ASSOCIATION STD 704M SIGNAL

FLAMMABILITY _____ HEALTH _____ REACTIVITY _____ SPECIFIC HAZARD _____

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, AND SOLVENTS	%	THRESHOLD LIMIT VALUE (Units)	ALLOYS AND METALLIC COATINGS	%	THRESHOLD LIMIT VALUE (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE Benzoyl Peroxide	50	5mg/m^3	METALLIC COATINGS		
SOLVENTS Butyl Benzyl Phthalate	30	NA*	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Water & Emulsifier	20		OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	THRESHOLD LIMIT VALUE (Units)
Uncontrolled mixing with polymerizable materials - particularity		
vinyl types. Avoid strong acids or bases, promotors (tertiary		
amines) and strong oxidizers.		

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H_2O=1)	1.2658
VAPOR PRESSURE (mm Hg.)	NA	PRECENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR = 1)	NA	EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER			

APPEARANCE AND ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT
NA		NA	NA

EXTINGUISHING MEDIA: Class B and water

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: Will burn only after prolonged exposure.

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S/N 0102-026-1080

*NA - Not Available

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
5mg/m^3 (Benzoyl Peroxide 100%)

EFFECTS OF OVEREXPOSURE
NA -Not a toxic substance at 5000mg/kg level on rats.

EMERGENCY AND FIRST AID PROCEDURES
Skin contact - wash w/soap and water.

Eye contact - flush w/cold water and get medical attention.

Ingestion - administer an emetic and get medical attention.

SECTION VI REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE	X	Temperatures over 100°F, sources of heat or flames and
	STABLE		incompatible materials.

INCOMPATABILITY *(Materials to avoid)*
Strong acids or bases - promotors (tertiary amines), strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS
Benzoic Acid, CO_2, Biphenol

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR	X	Uncontrolled mixing with polymerizable materials
	WILL NOT OCCUR		(particularly vinyl types)

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Mix and soak up with inert and non combustable materials such as perlite or vermiculite.

WASTE DISPOSAL METHOD
Burning in isolated trench from a distance or slow hydrolysis with approximately ten times the weight of 20% sodium hydroxide.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
Standard recommended	Standard recommended

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store in cool, clean area. Do not freeze.

OTHER PRECAUTIONS

SECTION X TRANS. DATA

PROPER SHIPPING *(Article)* NAME	DOT CLASSIFICATION
Benzoyl Peroxide - 50% Paste	Non-regulated

DOT LABEL	DOT MARKING	EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURES
Yellow	Organic Peroxide	

DOT PLACARD	PRECAUTIONS TO BE TAKEN IN TRANSPORTATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

(1)	(2)	(3)	(4)	(5) Packaging	
*/W/A	Hazardous materials descriptions and proper shipping names	Hazard class	Label(s) required (if not excepted)	(a) Exceptions	(b) Specific requirements
	Pyro sulfuryl chloride	Corrosive material	Corrosive	173.244	173.247
	Pyroxylin plastic scrap	Flammable solid	Flammable solid	None	173.195
	Pyroxylin plastics, rods, sheets, rolls, or tubes	Flammable solid	Flammable solid	173.197	
*	Pyroxylin solution	Combustible liquid	None	173.118a	None
*	Pyroxylin solution	Flammable liquid	Flammable liquid	173.118	173.119
*	Pyroxylin solvent, n.o.s.	Combustible liquid	None	173.118a	None
*	Pyroxylin solvent, n.o.s.	Flammable liquid	Flammable liquid	173.118	173.119
	Pyrrolidine	Flammable liquid	Flammable liquid	173.118	173.119
	Quicklime. *See* Calcium oxide				
	Radioactive device, n.o.s.	Radioactive material	None	173.391	
*	Radioactive material, fissile, n.o.s.	Radioactive material	Radioactive	173.393	173.396
*	Radioactive material, low specific activity *or* LSA, n.o.s.	Radioactive material	Radioactive	173.392	173.393
*	Radioactive material, n.o.s.	Radioactive material	Radioactive	173.393	173.395
*	Radioactive material, limited quantity, n.o.s.	Radioactive material	None	173.391	
*	Radioactive material, special form, n.o.s.	Radioactive material	Radioactive	173.393	173.394
	Rags, oily	Flammable solid	Flammable solid	None	173.199
	Rags, wet	Flammable solid	Flammable solid	None	173.200
	Railway Fusee. See Fusee				
	Railway torpedo. *See* Torpedo, railway				
	Range oil. *See* Fuel oil				
*	*Reducing compound, paint, varnish, lacquer, etc. See* *Compound, lacquer, paint, *or* varnish, etc., removing reducing, *or* thinning, liquid				
	Refrigerant gas. *See* Dispersant Gas				
*	Refrigerating machine	Nonflammable gas	Nonflammable gas	173.306	
*	Refrigerating machine	Flammable gas	Flammable gas	173.306	
*	Refrigerating machine	Flammable liquid	Flammable liquid	173.130	173.306
*	*Removing compound, paint, varnish, lacquer, etc. See* *Compound, lacquer, paint, *or* varnish, etc., removing reducing, *or* thinning, liquid				
*	Resin solution (*resin compound, liquid*)	Combustible liquid	None	173.118a	None
	Resin solution (*resin compound, liquid*)*	Flammable liquid	Flammable liquid	173.118	173.119
	Rifle grenade. See Grenade, hand or rifle, explosive				
	Rifle powder. See *Propellant explosive, or Black powder				
	Road asphalt *or* tar (*when heated to or above its flash point*). *See* Asphalt				
	Road asphalt *or* tar, liquid. *See* Asphalt, cut back				
*	Road oil	Combustible liquid	None	173.118a	None
	Rocket ammunition with empty projectile	Class B explosive	Explosive B	None	173.90
	Rocket ammunition with explosive projectile	Class A explosive	Explosive A	None	173.57
	Rocket ammunition with gas projectile	Class A explosive	Explosive A	None	173.57
	Rocket ammunition with illuminating projectile	Class A explosive	Explosive A	None	173.57
	Rocket ammunition with incendiary projectile	Class A explosive	Explosive A	None	173.57
	Rocket ammunition with inert loaded projectile	Class B explosive	Explosive B	None	173.90

AP-1001-4 PASTE