

pa001.txt
MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: PA001/PA005 Manifold Insulation Paint

Manufacturer's Name: Plastic Process Equipment, Inc.
Address: 8303 Corporate Park Drive
City, State, Zip: Macedonia, OH 44056
Business Telephone: (216) 367-7000
Emergency Telephone: (800) 535-5053
Date Prepared: 11 APR 13

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May be harmful if swallowed, absorbed through the skin or inhaled. Contact with eyes may cause irritation, prolonged contact with skin may cause irritation. Toxic to aquatic organisms. Hazard symbols for this product - Xn, N. Risk Phrases - R 20/22, 50, 61, 62.

POTENTIAL HEALTH EFFECTS

INHALATION: Inhalation of vapor or mist is harmful and irritating to respiratory tract.

SKIN: Contact with skin may cause irritation. Material is harmful if absorbed through the skin.

EYES: Contact with eyes may cause irritation.

INGESTION: Material is harmful if swallowed. May cause gastric distress, stomach pains, vomiting and diarrhea.

CARCINOGENECITY

NTP? No. IARC MONOGRAPHS? No. OSHA REGULATED? No.

SECTION 3: HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	%(by weight)	CAS#	EINECS#	Hazard Symbol	Risk Phrases
Talc, respirable dust (containing no silica quartz)	5 - 10	14807-96-6	238-877-9	NC	Not classified
Barium metaborate (as barium)	5 - 10	13701-59-2	237-222-4	Xn	R-20/22
Dibutyl phthalate	1 - 5	84-74-2		T,N	R-61,50,62
Mica	5 - 10	12001-26-2	not found	NC	Not classified

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

(a, c) See section 15

(b) Indicates that the Resource Conservation and Recovery Act (RCRA) has determined the

waste for this chemical is listed as hazardous and must be handled according to regulations in 40 CFR 260-281.

(d) Product is listed or defined as a marine pollutant in IMDG Code or 49 CFR 172.101 Appendix B, List of Marine Pollutants and must be classified as an Environmentally Hazardous Substance, Class 9, in addition to any other defined hazards for this product.

(e) Ingredients included in the Canadian Ingredient Disclosure List are one of the four categories of ingredients whose identity and concentration must be disclosed on an MSDS if found in a controlled product above the concentration cut-off.

SECTION 4: FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: Give two glasses of water for dilution; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

GENERAL HAZARDS: Product is not considered flammable or combustible. Products of combustion include carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA: Carbon dioxide, water, water fog, dry chemical, chemical form.

FIRE FIGHTING PROCEDURES: Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes or vapors, oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Confine and absorb into approved absorbent; place material into approved containers for disposal; for spills in excess of allowable quantities (RQ) notify the National Response Center (800) 424-8802; refer to CERCLA 40 CFR 302 for detailed instructions; refer to SARA Title III, Section 313, 40 CFR 372 for reporting requirements. Do not discharge into lakes, ponds, streams or public waters.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 8: EXPOSURE DATA

HAZARDOUS COMPONENTS	NIOSH			
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Talc, respirable dust (containing no silica quartz)	--	2	--	--
Barium metaborate (as barium) (a)	--	0.5	--	--
Dibutyl phthalate (a,b,c,d)	--	5	--	--
Mica (mineral dust) (e)	--	3	--	--

HAZARDOUS COMPONENTS	ACGIH			
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Talc, respirable dust (containing no silica quartz)	--	2	--	--
Barium metaborate (as barium) (a)	--	0.5	--	--
Dibutyl phthalate (a,b,c,d)	--	5	--	--
Mica (mineral dust) (e)	--	3	--	--

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: NIOSH approved respirator designed to remove airborne particulate present in excess of maximum allowable concentrations due to secondary operations such as mixing, spraying, sanding, bugging, etc. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for regulations.

PROTECTIVE GLOVES: Neoprene or nitrile rubber gloves.

EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.134, ANSI Z87.1, or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station nearby.

WORK/HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White viscous liquid, slight vinegar odor.

VAPOR PRESSURE: 17mm Hg @ 20 deg C

pH: 7.5-8.5

SPECIFIC GRAVITY (WATER=1): 0.800 (air entrained)

BOILING POINT/BOILING RANGE: 212 deg F (100 deg C)

SOLUBILITY IN WATER: Dispersable

VISCOSITY: Not specified

FLASH POINT: Non-flammable

VOLATILE ORGANIC COMPOUNDS (VOC'S): none

FLAMMABLE LIMITS: LEL:n/a UEL: n/a

VAPOR DENSITY (AIR = 1): <1
 AUTOIGNITION TEMPERATURE: Not established.
 EVAPORATION RATE (WATER = 1): <1

SECTION 10: STABILITY AND REACTIVITY

STABILITY: [] UNSTABLE, [X] STABLE, CONDITIONS TO AVOID: Extreme temperatures

INCOMPATIBILITY (materials to avoid): Strong oxidizers, strong acids.
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

HAZARDOUS POLYMERIZATION: [] MAY OCCUR, [X] WILL NOT OCCUR

CONDITIONS TO AVOID: none.

SECTION 11: TOXICOLOGICAL INFORMATION

Hazardous Components	CAS# EINECS#	LD50 of ingredient (specify species and route)	LC50 of ingredient (specify species)
Talc, respirable dust (containing no silica quartz)	14807-96-6 238-877-9	not established	not established
Barium metaborate (as barium) (a)	13701-59-2 237-222-4	530mg/kg oral - rat	not established
Dibutyl Phthalate (a,b,c,d)	84-74-2 201-557-4	8000mg/kg oral - rat	4250mg/m3 inhalation - rat
Mica (mineral dust) (e)	12001-26-2 not found	>15,000mg/kg oral - rat	not established

(a,c) see section 15

SECTION 12: ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. One of the ingredients in this mixture (dibutyl phthalate) is classified as a marine pollutant.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not flush to sanitary sewer or waterway. Refer to 40 CFR 260-299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

SECTION 14: TRANSPORT INFORMATION

PROPER SHIPPING NAME: Non-hazardous for transport.
DOT HAZARD CLASS/Packaging Group: Not Regulated.
REFERENCE: n/a
UN/NA IDENTIFICATION NUMBER: None
LABEL: None Required
HAZARD SYMBOLS: None
IATA HAZARD CLASS/Packaging Group: Not regulated
IMDG HAZARD CLASS: Not regulated
RID/ADR Dangerous Goods Code: Not regulated
UN TDG Class/Packaging Group: Not regulated
Hazard Identification Number (HIN): None

Note: Transportation information provided is for reference only. Client is urged to consult 49 CFR 100-177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping. Hazard Class 9 must be used if shipping quantity exceeds RQ for this mixture.

SECTION 15: REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act)

All components of this product are listed on the US Toxic Substances Control Act Chemical Inventory (TSCA INventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)
311/312 Hazard Categories
Immediate health

313 Reportable Ingredients:

(a) Indicates a toxic chemical subject to annual reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

CERCLA (USA - Comprehensive Response Compensation and Liability Act)
(b) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture=500 lbs) or greater amounts, according to 40 CFR 302.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986
There is a reportable chemical present (dibutyl phthalate) known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2A

IDL (Canadian Ingredient Disclosure List)
Components of this product identified by CAS number and listed on the IDL are shown in section 2.

DSL/NDSL (Canadian Domestic Substances List/Non-Domestic Substances List)
Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations.

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Only ingredients classified as hazardous are listed in section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)
Components of this product identified by CAS numbers are on the EINECS.

WGK Water Quality Index: 2

VbK Index: not applicable

RISK PHRASES:

R20/22 Harmful by inhalation and
if swallowed.

R50 Very Toxic to aquatic organisms.

R60 May impair fertility.

R61 May cause harm to the unborn child.

SAFETY PHRASES:

S2 Keep out of reach of children

S24/25 Avoid contact with skin and eyes

S28 After contact with skin, wash immediately with plenty of soap and water

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

SECTION 16: OTHER INFORMATION

Notes and Full R-Phrase Text: R20/22 Harmful by inhalation and if swallowed
R50 Very toxic to aquatic organisms
R60 May impair fertility
R61 May cause harm to the unborn child

HMIS HAZARD RATINGS

HEALTH 2*

FLAMMABILITY 0

PHYSICAL HAZARD 0

PERSONAL PROTECTIVE EQUIPMENT C (safety glasses, gloves, apron)

*=chronic health hazard, 0=insignificant, 1=slight, 2=moderate, 3=high, 4=extreme

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable, and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.