



SHINTECH

Shintech Inc., 5618 Highway 332 East, Freeport, Texas 77541, (979) 233-7861

MATERIAL SAFETY DATA SHEET POLYVINYL CHLORIDE RESIN

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SECTION I

<u>MANUFACTURERS NAME</u>	<u>TELEPHONE NUMBER</u>	<u>ADDRESS</u>
SHINTECH INCORPORATED	(979) 233-7861	5618 EAST HIGHWAY 332 FREEPORT, TX 77541
<u>CAS NUMBER</u>	<u>CHEMICAL FAMILY</u>	<u>DATE OF PREPARATION</u>
9002-86-2	ORGANIC POLYMER	MARCH 1, 1990
<u>CHEMICAL NAME/SYNONYMS</u>	<u>FORMULA</u>	<u>REVIEWED</u>
POLYVINYL CHLORIDE, PVC, VINYL RESIN	$(CH_2-CHCl)_n$	JANUARY 4, 2008

SECTION II – HAZARDOUS INGREDIENTS

POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE MONOMER IN THE ORDER OF 0.1 TO 10 PPM BY WEIGHT. VINYL CHLORIDE MONOMER IS A CANCER-SUSPECT AGENT. THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION SPECIFICALLY REGULATE MANUFACTURING, HANDLING, AND PROCESSING OF POLYVINYL CHLORIDE. SUCH REGULATIONS HAVE BEEN PUBLISHED AS 29 CFR 1910.1017. IT IS NECESSARY THAT HANDLERS AND PROCESSORS OF POLYVINYL CHLORIDE BE FAMILIAR WITH THESE REGULATIONS. NONE OF THE INFORMATION PRESENTED IN THIS MATERIAL SAFETY DATA SHEET SHOULD BE CONSTRUED TO CONTRADICT OR SUPERSEDE THESE REGULATIONS.

SARA 311/312 – NO COMPONENTS ARE REPORTABLE AT CONCENTRATIONS FOUND IN THE UNCONTAMINATED RESIN.

SECTION III – PHYSICAL DATA (TYPICAL DATA, NOT SPECIFICATIONS)

<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>	<u>SPECIFIC GRAVITY (H₂O= 1)</u>
SOFTENS ABOVE 175 DEGREES F	NOT SOLUBLE	1.4
<u>VAPOR PRESSURE (MM HG)</u>	<u>% VOLATILE BY VOLUME</u>	<u>VAPOR DENSITY (AIR= 1.0)</u>
N/A	0.5 %	N/A

APPEARANCE AND ODOR

FREE-FLOWING, ODORLESS,
WHITE GRANULATE SOLID



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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT

NOT DETERMINED

FLAMMABLE LIMITS IN AIR

% BY VOLUME LOWER LIMIT: UNKNOWN
UPPER LIMIT: UNKNOWN

EXTINGUISHING MEDIA

DRY POWDER OR CO₂

NOTE: DECOMPOSED POLYVINYL CHLORIDE
RESIDUE MAY FLOAT ON WATER.

SPECIAL FIRE FIGHTING PROCEDURES

RESPIRATORY PROTECTION IS NECESSARY DUE TO PRESENCE OF HYDROGEN CHLORIDE.

UNUSUAL FIRE AND EXPLOSION HAZARDS

UPON PROLONGED HEATING, POLYVINYL CHLORIDE WILL DECOMPOSE WITH EMISSION OF HYDROGEN CHLORIDE (HCl), AN IRRITATING TOXIC GAS. THE DECOMPOSED RESIDUE WILL BURN IN THE FASHION OF A HYDROCARBON TAR.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

NONE KNOWN TO SHINTECH. POLYVINYL CHLORIDE CONTAINS VINYL CHLORIDE MONOMER, A CANCER-SUSPECT AGENT.

EFFECTS OF OVEREXPOSURE

MODERATE ALLERGIC DERMATITIS HAS BEEN REPORTED UPON SKIN CONTACT. ACUTE OVEREXPOSURE EFFECTS ARE NOT KNOWN TO SHINTECH.

EMERGENCY AND FIRST AID PROCEDURES

SKIN CONTACT WITH POLYVINYL CHLORIDE SHOULD BE TREATED BY ROUTINE HYGIENIC PRACTICES, SUCH AS WASHING WITH SOAP AND WATER. INHALATION AND EYE CONTACT SHOULD BE TREATED AS WITH OTHER INERT SOLIDS.

SECTION VI - REACTIVITY DATA

STABILITY

THERMALLY UNSTABLE.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR.

CONDITIONS TO AVOID

POLYVINYL CHLORIDE IS UNSTABLE TO HEAT. IT DECOMPOSES UPON PROLONGED HEATING, EMITTING HYDROGEN CHLORIDE (HCl).



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INCOMPATIBILITY

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POLYVINYL CHLORIDE IS KNOWN TO DISSOLVE IN SOME AROMATIC AND HALOGENATED SOLVENTS.

HAZARDOUS DECOMPOSITION PRODUCTS

HYDROGEN CHLORIDE (HCl)

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

AVOID EXCESSIVE SKIN CONTACT OR INHALATION. SPILLED MATERIAL SHOULD OTHERWISE BE HANDLED AS AN INERT SOLID, IN THE FASHION OF SAND.

WASTE DISPOSAL METHOD

DISPOSE OF WASTE IN A LICENSED LANDFILL OR BY INCINERATION IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

DETAILED REQUIREMENTS ARE SPECIFICALLY SET BY OSHA REGULATIONS, 29 CFR 1910.1017.

EYE PROTECTION

SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT

THE PROTECTIVE EQUIPMENT REQUIREMENTS FOR CERTAIN JOB FUNCTIONS ARE PRESCRIBED BY OSHA REGULATIONS, 29 CFR 1910.1017.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

POLYVINYL CHLORIDE CAN ACQUIRE A SUBSTANTIAL STATIC ELECTRIC CHARGE. HANDLING AND PROCESSING EQUIPMENT SHOULD HAVE ELECTRICAL GROUNDING. POLYVINYL CHLORIDE RESIN SHOULD BE HANDLED AND STORED IN ACCORDANCE WITH OSHA REGULATION 29 CFR 1910.1017.

SECTION X - DISCLAIMER OF LIABILITY

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