



MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

SYSTEX Bonder

Product code : PSB
 MSDS DATE : 5/23/2001
 Supersededos : New

Hazard Rating		Scale
Toxicity	1	4=EXTREME
Fire	0	3=HIGH
Reactivity	0	2=MODERATE
Special	-	1=SLIGHT 0=INSIGNIFICANT

COMPONENT INFORMATION

<u>No.</u>	<u>CAS REG NO.</u>	<u>AMT.(%)</u>
1 Styrene butadiene polymer	Not hazardous	36-39
2 Individual residual monomers	Not required	<0.1
3 Aqua ammonia	1336-21-6	0.08
4 Water	7732-18-5	55-59
5 Sodium Chloride	007647-14-5	<0.75
6 Cellulose ethers	Not Hazardous	<5

EMERGENCY RESPONSE INFORMATION

FIRST AID PROCEDURES

INHALATION

Move subject to fresh air.

EYE CONTACT

Flush with large amounts of water-consult an eye physician if necessary.

SKIN CONTACT

Wash with detergent and water-consult an eye physician if necessary.

INGESTION

Dilute by drinking large amounts of milk or water. Consult a physician.

FIRE FIGHTING INFORMATION

UNUSUAL HAZARDS

Material can splatter above 100C/212F. Dried product can burn.

EXTINGUISHING AGENTS

Use extinguishing media appropriate for surrounding fire.

PERSONAL PROTECTIVE EQUIPMENT

As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

SPECIAL PROCEDURES

Keep spectators away. Floor will be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SPILL OR LEAK HANDLING INFORMATION

PERSONAL PROTECTION

Wear a MSHA/NIOSH approved respirator for nuisance dust.

CONTINUED



Mortex Manufacturing Co., Inc.
 1818 West Price Street
 Tucson AZ 85705

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PROCEDURES

Material can be handled as normal solid waste. Scoop or sweep and transfer spilled material to suitable containers for disposal. Floor may be slippery; use care to avoid falling. Avoid breathing dust.

HAZARD INFORMATION

HEALTH EFFECTS FROM OVEREXPOSURE

PRIMARY ROUTES OF EXPOSURE

Inhalation. Skin Contact. Eye Contact.

INHALATION

Headache, nausea, irritation of nose, throat, and lungs.

EYE CONTACT

slight eye irritation.

SKIN CONTACT

slight skin irritation.

DELAYED EFFECTS

None

FIRE AND EXPLOSIVE PROPERTIES

Flash Point	Not Applicable
Lower explosive limit	Not Applicable
Upper explosive limit	Not Applicable

REACTIVITY INFORMATION

INSTABILITY

This material is considered stable. However, avoid temperatures above 177C/350F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may yield acrylic, butadiene and styrene monomers.

HAZARDOUS POLYMERIZATION

None.

ACCIDENT PREVENTION INFORMATION

PERSONAL PROTECION MEASURES

RESPIRATORY PROTECTION

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the TWA/TLV's listed in the COMPONENT EXPOSURE INFORMATION Section.

Up to 10 times the TWA/TLV: Wear a MSHA/NIOSH approved (or equivalent) full-facepiece, air purifying respirator.

Up to 100 times the TWA/TLV or unknown: Wear MSHA/NIOSH approved (or equivalent) self-contained breathing apparatus in positive pressure mode, or, MSHA/NIOSH approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

EYE PROTECION

Use chemical splash goggles (ANSIZ87.1) or approved equivalent.

HAND PROTECTION

The gloves listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection: - Neoprene

CONTINUED



FACILITY CONTROL MEASURES

VENTILATION

Use local exhaust ventilation. Refer to the current edition of *Industrial Ventilation: A Manual of Recommended Practice* published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

STORAGE AND HANDLING INFORMATION

STORAGE CONDITIONS

Keep from freezing; material may separate. The minimum recommended storage temperature for this material is 1C/34F. The maximum recommended storage temperature for this material is 49C/120F.

HANDLING PROCEDURES

Monomer vapors can be evolved when material is heated during processing operations. See FACILITY CONTROL MEASURES Section for types of ventilation required.

SUPPLEMENTAL INFORMATION

TYPICAL PHYSICAL PROPERTIES

Appearance	Paste
Color	White
State	Liquid
Odor Characteristic	Sweet odor
pH	7.0 - 8.5
Viscosity	4000-10000 CPS Aprox.
Vapor Density (Air = 1)	< 1 Water
Vapor Pressure	17 mm Hg @ 20°C/68°F Water
Melting point	0C/32F Water
Boiling point	100°C/212°F Water
Solubility in water	Dilutable
Percent Volatility	55 - 59 % Water
Evaporation rate (BAc = 1)	< 1 Water

TOXICITY

All ingredients are non-toxic

WASTE DISPOSAL

PROCEDURE

Mix an absorbent with material and allow it to harden, then dispose of as a solid in accordance with local, state, and federal regulations.

REGULATORY INFORMATION

WORKPLACE CLASSIFICATIONS

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

TRANSPORTATION CLASSIFICATIONS

D.O.T. Not regulated.



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EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE3)

SECTION 311/312 CATEGORIZATIONS 40CFR370

This product does not contain any chemical subject to reporting requirements.

SECTION 313 INFORMATION (40CFR 302.4)

This product does not contain a chemical which is listed in Section 313 above *de minimis* concentrations.

CERCLA INFORMATION (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

RCRA INFORMATION

When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

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