

INFOTRAC  
EMERGENCY #  
800.535.5053

## MATERIAL SAFETY DATA SHEET

Date Prepared/Revised: January 13, 2010

### I. PRODUCT IDENTIFICATION

Trade Name (as labeled): **MS-BOND 2P ADHESIVE**

SUPPLIER:

MURAKAMI SCREEN U.S.A.

745 Monterey Pass Road

Monterey Park, CA 91754

PHONE NUMBER: 800-562-3534

### II. HARZADOUS INGREDIENTS

	CAS NO.	% RANGE	ACGH TLV	OSHA PEL	OTHER
Thermoset Polymer	Trade Secret	<30	25PPM	100 PPM	
Dichloromethane	75-90-2	>70	25 PPM	25 PPM	Action Level 12.5 ppm

### III. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: May cause serious nervous system depression. Vapor harmful, acts as an anesthetic.  
Exposure can cause elevated carbon monoxide levels in the blood.

Skin: Skin irritant mainly through drying & defatting of tissues. Eyes: Causes moderate irritation.

Swallowed: Keep away from food. Ingestion could cause abdominal irritation, nausea, vomiting & diarrhea.

#### HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute: Overexposure may cause damage to kidneys, blood, nerves, liver, & lungs

Chronic: Potential cancer hazard based on lab test animals. Can cause damage to kidneys, blood, liver, lungs, and heart

### IV. FIRST AID PROCEDURES

Eye Contact: Flush immediately with fresh water. Contact a physician if irritation persists.

Skin Contact: Remove contaminated clothing. Wash with soap and water. If irritated contact physician.

Inhaled: Remove victim to fresh air. Provide oxygen if necessary. Contact a physician.

Swallowed: Do not induce vomiting. Contact a physician.

CARCINOGENICITY? YES X NO \_\_\_

This products ingredients are found on the following lists: OSHA\_\_\_ NTP X IARC\_\_\_ ACGIH\_\_\_  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with tumors, severe heart, skin, liver, or kidney problems should avoid use.

### V. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures) : Absorb small spills onto suitable Absorbent. Contain large spills by diking.

Disposal Methods: May not be disposed of in sewer or landfill. Evaporate to dryness or contact disposal service company. Incineration is the preferred method.

NOTE: Dispose of all wastes in accordance with federal, state, and local regulations.

## VI. PHYSICAL PROPERTIES

MS-Bond 2P

Vapor Density (air=1):	>1	Melting point or range, °F:	Not Known
Specific Gravity:	1.32	Boiling point or range, °F:	104
Solubility in water:	Nil	Evaporation rate (butyl acetate=1):	11
Vapor pressure, mmHg at 20° C	>70	pH (1% solution):	N/A

Appearance and odor: Clear liquid with strong characteristic odor.

## VII. FIRE AND EXPLOSION

Flash point, °F: >200 Flammable limits in air volume %: Lower (LEL) N/A Upper(UEL) N/A  
Auto ignition, °F: Unknown  
Fire extinguishing materials: Water spray X Carbon dioxide X foam X dry chem. X other\_\_\_  
Special Fire Fighting procedures: Firefighters and others who may be exposed to the products of combustion should be equipped with a NIOSH approved positive pressure self contained breathing apparatus (SCBA) and full protective clothing.  
Unusual fire explosion hazards: Containers exposed to intense heat should be cooled with water to prevent Vapor pressure build up that could lead to container rupture. May explode in fire.

## VIII. REACTIVITY DATA

Stability: Stable X Unstable\_\_\_ Conditions to Avoid: High Temperatures stored above 77°F  
Incompatibility: Strong oxidizing or reducing agents. May decompose when exposed to moist air & water  
Hazardous decomposition products (including combustibles): CO, CO2, Phosgene, HCL and unidentified organic compounds  
Hazardous polymerization: May occur\_\_\_ Will not occur X

## X. SPECIAL HANDLING PROCEDURES

Respiratory procedures: None required under normal conditions.  
Ventilation and engineering controls: General to maintain concentrations below the PEL.  
Eye protection: Safety glasses.  
Gloves: Nitrile gloves to protect direct skin contact.  
Other clothing and equipment: Adequate protective clothing to prevent skin contact.  
Work & Hygienic practices: Wash skin with soap and water thoroughly after handling & before eating.  
Other handling and storage requirements: Store containers in a cool dry area.

## IX. REPORTING REQUIREMENTS AND ADDITIONAL INFORMATION

HMIS Code System Rating=Health 2; Flammability 0; Reactivity 0.  
NFPA 704 Code System Rating=Health 2; Flammability 0; Reactivity 0.  
Volatile Organic Compound (VOC): 1050 grams per liter or 8.75lbs. per gallon.  
This product contains toxic chemicals subject to the reporting requirements of SARA Title III, Section 313.  
This product contains Proposition 65 designated chemicals.  
This product requires air monitoring and medical surveillance if individuals are subjected to higher than action level concentrations.  
DOT Proper Shipping Name: Toxic Liquid, Organic, n.o.s. (contains Dichloromethane), 6.1, UN 2810. PG III

Note: Information herein is given in good faith and to the best of our knowledge, but no warranty, expressed or implied, is made.