

Adhesives and Chemicals, Inc.

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131 Brown Street, Pittston, PA 18640-3799

MATERIAL SAFETY DATA SHEET

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PRODUCT IDENTITY: 4522-E

Manufacturer's Name: Adhesives and Chemicals, Inc.
131 Brown Street
Yatesville, Pittston, PA 18640

Telephone numbers: 570-654-6735
570-883-0303

Emergency Number: Chemtrec Telephone No.
800-424-9300

Updated: 11/10/11

SECTION I: MATERIAL IDENTIFICATION / HAZARDOUS INGREDIENTS

Hazardous Component	C.A.S. #	ACGIH TWA/ppm	ACGIH STEL/ppm	OSHA TWA/ppm	%	Sara Title III
1,4-butanediol diglycidyl ether	2425-79-9	N/E	N/E	N/E	12	No
Bisphenol-A based epoxy resin	25068-38-6	N/E	N/E	N/E	35	No
Epichlorohydrin	106-89-8	N/E	N/E	N/E	3	Yes

SECTION II: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°F): Not Established	Vapor Density (Air=1): Not Established Less than 1
Specific Gravity (H2O=1): Not Established	Evaporation Rate (Butyl Acetate=1): N/E
Vapor Pressure (mmHg): Not Established	Water Solubility: Completely
% Volatile by Volume: Not Established	Appearance and Odor: White heavy paste

SECTION III: FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used): None

Flammable Limits: LEL N/A
UEL N/A

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam, Water Spray- liquid is not flammable

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing. Water may be used to cool fire-exposed containers.

Unusual Fire and Explosion Hazards: None

Section IV: REACTIVITY HAZARD DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: May not occur

CONDITIONS TO AVOID: None

SECTION V: HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE:

Eyes: Irritation Skin: Irritation Inhalation: Irritation

FIRST AID & EMERGENCY PROCEDURES:

Eyes: Immediately flush with plenty of water for at least 15 minutes, lifting eyelids occasionally during flushing to facilitate irrigation. Seek medical attention.

Skin: Immediately wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention.

Ingestion: Take immediately to hospital or physician.

SECTION VI: PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or leak procedures: Soak up with absorbent material, remove to a chemical disposal area. Enclose with diking material to prevent seepage into any natural bodies of water. Absorb residue and dispose of all waste according to all local, state, and federal regulations.

D.O.T. Shipping Name: Adhesive,non-flammable
D.O.T. Label: None - not D.O.T. regulated

HMIS Rating: Health : 0
Flammability: 0
Reactivity: 0

Waste disposal: Dispose of only in accordance with local, state, and federal rules and regulations.

Do not use in poorly ventilated or confined spaces. Keep containers closed when not in use. Do not store in open, unlabeled or mislabeled containers. Avoid prolonged or repeated breathing of vapors. Avoid contact with eyes and prolonged or repeated contact with skin. Do not take internally.

SECTION VII: CONTROL MEASURES

Respiratory Protection: The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved) or supplied air equipment, depending on airborne concentration.

Ventilation: General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.

Protective Gloves: The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation and absorption.

Other Protective Clothing or Equipment: Safety glasses, chemical goggles and/or face shield are recommended to safeguard against potential eye contact, irritation or injury.

Special clothing is advised as good chemical handling practice. The availability of eye wash and safety showers in work areas is recommended.

SECTION VIII: SPECIAL PRECAUTIONS AND/OR COMMENTS:

Precautions to be taken in handling and storing: Protect material from freezing at all times.

*****SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED*****

All information, recommendations and suggestions appearing herein concerning our products are based upon test data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Adhesives and Chemicals, Inc. as to the effects or such use, the results to be obtained, or the safety and toxicity of the product nor does Adhesives and Chemicals assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.