



Safety Data Sheet

[Dipak E-4541B]

Section 1. Identification

Product Identifier [Dipak E-4541B]
Synonyms N/A
Manufacturer Stock Numbers N/A

Recommended use Epoxy/Urethane Curative
Uses advised against N/A

Manufacturer Contact
Address Hapco Inc.
353 Circuit St.
Hanover, MA, 02339
U.S.A

Phone
(781) 826-8801

Emergency Phone
(800) 424-9300
CHEMTREC Night and
day

Fax
(781) 826-9544

Website
www.hapcoweb.com

Section 2. Hazards Identification

Classification ACUTE TOXICITY - DERMAL - Category 3
ACUTE TOXICITY - INHALATION - Category 4
ACUTE TOXICITY - ORAL - Category 4
EYE DAMAGE/IRRITATION - Category 2B
SENSITIZATION - SKIN - Category 1A
SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) - Category 2
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3
TOXIC TO REPRODUCTION - Category 2

Signal Word Danger

Pictogram



Hazard Statements

Causes eye irritation
Harmful if inhaled
Harmful if swallowed
May cause an allergic skin reaction
May cause damage to organs through prolonged or repeated exposure.
May cause respiratory irritation; or May cause drowsiness or dizziness
Suspected of damaging fertility or the unborn child.
Toxic in contact with skin

Precautionary Statements

Response

Call a poison center/doctor/ ... /if you feel unwell.
Get medical advice/attention if you feel unwell.
If exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin: Wash with plenty of water/ ...
If skin irritation or rash occurs: Get medical advice/attention.
If swallowed: Call a poison center/doctor/ ... / if you feel unwell.
Rinse mouth.
Specific treatment (see ... on this label)
Take off immediately all contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Do not breathe dust/fume/gas/mist/ vapors/spray.
Do not eat, drink or smoke when using this product.
Do not handle until all safety precautions have been read and understood.
Obtain special instructions before use.
Use only outdoors or in a well-ventilated area.
Wash ...thoroughly after handling.
Wear protective gloves.
Wear protective gloves/protective clothing.
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
101-77-9	Benzenamine, 4,4'-methylenebis-	22% - Max
280-57-9	1,4-Diazabicyclo[2.2.2]octane	3% - Max
25265-71-8	Propanol, oxybis-	6% - Max
84-74-2	1,2-Benzenedicarboxylic acid, dibutyl ester	75% - Max

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Eye Contact	Immediately rinse eyes with running water for at least 15-30 minutes. Seek immediate medical attention.
Skin Contact	Remove contaminated clothing. Launder clothing before re-use. Wash skin promptly with soap and water. Get medical attention if irritation persists.
Inhalation	Move to fresh air. Aide in breathing if necessary. Get medical attention.
Ingestion	Drink 1-2 glasses of water or milk. Induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Water, carbon dioxide, foam or dry chemical. Full emergency equipment with self-contained breathing apparatus and full protective clothing (turnout gear) should be worn by fire fighters. Burning of this material may result in the release of toxic fumes.
Unsuitable Extinguishing Media	N/A

Section 6. Accidental Release Measures

Spill and Leaks	Evacuate nonessential personnel. Remove all sources of ignition and ventilate area. Dike or impound spilled material and control further spillage if feasible. Absorb on inert carrier. Sweep, scrape or vacuum up. Shovel into secure containers for proper disposal. Use personal protective equipment. Areas may be slippery.
Neutralization Chemical	Not Applicable use alcohol to clean surfaces

Section 7. Handling and Storage

Product storage	Store tightly sealed and away from sources of direct heat in a dry area.
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Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Benzenamine, 4,4'-methylenebis-	N/A	N/A	N/A
	1,4-Diazabicyclo[2.2.2]octane	N/A	N/A	N/A
	Propanol, oxybis-	N/A	N/A	N/A
	1,2-Benzenedicarboxylic acid, dibutyl ester	5mg/cu m	5mg/cu m	N/A
Personal Protective	Goggles, Gloves, Apron			

Equipment
PPE

Personal protection equipment selection is best assigned by the user after performing a hazard assessment on the product as it is to be used in the specific work process.

Section 9. Physical and Chemical Properties

Physical State	liquid
Color	Amber
Odor	slight odor
Odor Threshold	N/A
Solubility	Negligible
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	low viscosity
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	340 C
FP Method	COC
Ph	N/A
Melting Point	NA
Boiling Point	>600F
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	ND
Vapor Density	NA

Section 10. Stability and Reactivity

Stability	This is a stable product.
Incompatibility	Strong oxidizing agents, contact with nitrates, strong alkalis and strong acids may cause fires and explosions.
Hazardous Polymerization	Will not occur
Decomposition Products	Oxides of carbon and nitrogen under burning conditions.
Other Reactivity Data	Contact with certain rubbers and plastics can cause imbrittlement or softening of the material with subsequent loss in strength.

Section 11. Toxicological Information

Primary Route(s) of Entry	Eye, Skin contact, Inhalation and Ingestion.
Inhalation	Harmful if inhaled; may cause irritation of the respiratory tract. There may be vomiting, nausea and stomach pain may occur; convulsions, drowsiness, mental confusion, loss of consciousness may occur.

Skin	Harmful and possibly fatal if absorbed through the skin. Irritation and redness may occur at the site of contact; skin contact may cause sensitization. Also MDA which is deposited on the skin is not thoroughly removed through washing.
Eye	May cause irritation and redness; splashes may cause severe irritation with stinging pain.
Ingestion	Harmful if swallowed; may cause irritation of the gastrointestinal tract. Nausea and stomach pain may occur; there may be vomiting. Liver disease (toxic hepatitis), kidney, blood, and spleen damage are known from long term exposure to MDA.
Carcinogenicity	MDA is an IARC Group 2B carcinogen. - possibly carcinogenic to humans.

Section 12. Ecological Information

No Data Available

Section 13. Disposal

Disposal	Dispose of waste in compliance with all applicable federal, state and local environmental laws and regulations. Compliance with waste laws and regulations are the responsibility of the waste generator.
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Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Non Hazardous Liquid Plastic
DOT Classification	Not regulated.
Packing Group	N/A
DOT/IATA/IMDG	Not regulated under transport regulations.

Section 15. Regulatory Information

OSHA/HCS status	This product is considered hazardous by the OSHA Hazardous Communication Standard (29CFR 1910.1200).
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Section 16. Other Information

Revision Date	2/25/2016
HMIS III	Health = 2* Fire= 1 Phy Hzd= 0
Disclaimer	Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks and use of the product are therefore assumed by the user and we expressly disclaim all warranties of ever kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Appropriate warnings and safe handling procedures should be provided to handlers and users.

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Rudolph Bros. & Co.
6550 Oley Speaks Way
Canal Winchester, OH 43110
Phone: 614-833-0707
Fax: 800-600-9508
e-mail: rbcsupport@rudbro.com
www.rudbro.com