



Safety Data Sheet

[Dipak E-4541A]

Section 1. Identification

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

Recommended use Moulding Compound
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

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www.hapcoweb.com

Section 2. Hazards Identification

Classification ACUTE TOXICITY - INHALATION - Category 3
ASPIRATION HAZARD - Category 2
EYE DAMAGE/IRRITATION - Category 2B
SENSITIZATION - RESPIRATORY - Category 1
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3
TOXIC TO REPRODUCTION - Category 1A

Signal Word Danger

Pictogram



Hazard Statements

Causes eye irritation
Causes skin irritation
May be harmful if swallowed and enters airways
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause respiratory irritation; or May cause drowsiness or dizziness
May damage fertility or the unborn child.
Toxic if inhaled
Very toxic to aquatic life with long lasting effects

Precautionary Statements

Response

Call a poison center/doctor/ ... /if you feel unwell.
Call a poison center/doctor/...
Do NOT induce vomiting.
If experiencing respiratory symptoms: Call a poison center/doctor/ ...
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: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin: Wash with plenty of water/ ...
If skin irritation occurs: Get medical advice/attention.
If swallowed: Immediately call a poison center/doctor/...
Specific treatment (see ... on this label)
Take off contaminated clothing and wash it before reuse.

Prevention

[In case of inadequate ventilation] wear respiratory protection.
Avoid breathing dust/fume/gas/mist/ vapors/spray.
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/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

Emergency Overview

Toxic by inhalation; harmful if inhaled or swallowed; may cause eye, skin and respiratory tract irritation; may cause sensitization by skin contact, may cause allergic respiratory reaction.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
5124-30-1	Cyclohexane, 1,1'-methylenebis[4-isocyanato-	13% - Max
84-74-2	1,2-Benzenedicarboxylic acid, dibutyl ester	20% - Max
	Proprietary prepolymer	67% - Min

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. Wash skin promptly with soap and water. Seek immediate medical attention.
Inhalation	Move to fresh air. Aid in breathing if necessary. Asthmatic-type symptoms may develop immediately or delayed up to several hours. Seek immediate medical attention.
Ingestion	DO NOT INDUCE VOMITTING. Drink 1-2 cups water or milk. Do Not give anything by mouth to an unconscious person Seek immediate medical attention

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	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 will result in the release of toxic fumes. Closed containers may explode when exposed to extreme heat or burst when contaminated with water (carbon dioxide evolved).
Unsuitable Extinguishing Media	reacts with water.

Section 6. Accidental Release Measures

Spill and Leaks	Evacuate nonessential personnel. Remove all sources of ignition and ventilate the area. Dike or impound spilled material and control further spillage if feasible. Cover with sand or other material to reduce stickiness. Pour neutralizing solution over area and allow to react for 10 - 30 minutes. Collect material in open containers and add more neutralizing chemicals
Neutralization Chemical	Prepare a solution consisting of Isopropyl alcohol, 20%; Concentrated ammonia solution, 10%; Household-type detergent, 2-5%; Water, balance.

Section 7. Handling and Storage

Product Storage	Store 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
	Cyclohexane, 1,1'-methylenebis[4-isocyanato-	.005 ppm	.01 ppm	N/A
	1,2-Benzenedicarboxylic acid, dibutyl ester	5mg/cu m	5mg/cu m	N/A

	Proprietary prepolymer	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, Apron			
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	Colorless
Odor	very slight odor
Odor Threshold	N/A
Solubility	Insoluble
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	moderate
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>205 C
FP Method	COC
Ph	N/A
Melting Point	ND
Boiling Point	165 C
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	ND

Section 10. Stability and Reactivity

Chemical Stability	This is a stable product.
Incompatibility	Aluminum, Zinc, strong oxidizers, amines, water, alcohols, strong bases, metal compounds, surface active materials.
Hazardous Polymerization	May occur; contact with moisture or other materials which react with isocyanates may cause polymerization.
Decomposition Products	Oxides of carbon and nitrogen under burning conditions.
Other Reactivity Data	Contact with certain rubbers and plastics can cause embrittlement 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.
Ingestion	May cause aspiration hazard if swallowed; May cause irritation to the mucous membranes of the mouth, throat and digestive tract. May cause vomiting, diarrhea, and stomach pain.
Inhalation	Highly toxic by inhalation of aerosol or mist; May cause coughing and difficulty breathing; Extremely high vapor concentration may cause lung damage. Vomiting may occur, nausea, and stomach pain. Convulsions, drowsiness, mental confusion and loss of consciousness may occur.
Skin	Can be severely irritating. Allergic dermatitis may occur; may be harmful if absorbed through the skin.
Eye	May cause tearing, reddening and/or swelling; May cause slight corneal injury.
Carcinogenic information	No carcinogenic substances as defined by IARC, NTP, and/or OSHA.

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

No Data Available

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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