

# SAFETY DATA SHEET

## SECTION 1 - Product & Company Identification

Product Name: Clear Polyurethane Casting Resin Hardener - Part B Product Code: RCT 01 1311 IC  
The Berea Hardwoods Co. Inc. Emergency Phone (Day)  
18745 Sheldon Rd M-F 9a-4p EST: 1-877-736-5487  
Middleburg Hts, Ohio, 44130  
1-877-736-5487

Emergency Phone (Night)  
All other Hours: 1-800-424-9300 Chemtrec

Product Use: Casting and Mold  
Making for Industrial/Professional use  
only

## SECTION 2 - Hazards Identification

### GHS Ratings:

Inhalation Toxicity	1	Gases<=100ppm, Vapors<=0.5mg/l, Dusts&mists<=0.05mg/l
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer

### GHS Hazards

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

### GHS Precautions

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash skin thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P285	In case of inadequate ventilation wear respiratory protection
P321	Specific treatment (see ... on this label)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P342+P311	Call a POISON CENTER or doctor/physician
P501	Dispose of contents/container in accordance with all local, jurisdictional, national and international regulations.

**Signal Word: Danger**



### SECTION 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Dicyclohexylmethane-4-4'-diisocyanate	5124-30-1	90.00% - 100.00%

### SECTION 4 - First Aid Measures

**INHALATION:** Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult, have qualified personnel administer oxygen and get medical attention.

**EYE CONTACT:** Flush the eye and under the lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.

**SKIN CONTACT:** Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected area using mild soap.

**INGESTION:** If appreciatble quantities are swallowed, seek immediate medical attention.

### SECTION 5 - Firefighting Measures

Flash Point: 200 C (392 F)

LEL: N/A

UEL: N/A

**EXTINGUISHING MEDIA:** Water spray, dry powder, carbon dioxide (CO<sub>2</sub>) or dry chemical foam. Do not use a solid water stream as it may scatter and spread fire.

**ADVICE FOR FIREFIGHTERS:** As in any fire wear a self-contained breathing apparatus and full protective gear. Do not enter a fire area without proper protective equipment.

### SECTION 6 - Accidental Release Measures

**SPILL PROCEDURES:** Remove all sources of ignition and ventilate area. Avoid skin and eye contact. Use respiratory protection. Absorb with inert materials such as dry clay or sand and place in a closed container for disposal as solid waste in accordance with applicable regulations.

**ENVIRONMENTAL PRECAUTIONS:** Do not empty into drains. Do not discharge into drains/surface water/groundwater.

### SECTION 7 - Handling and Storage

**HANDLING:** Keep away from open flames, sources of ignition and hot surfaces. Avoid conditions that could lead to static discharge. Ground all metal parts/containers. Avoid any unnecessary contact. Do not breathe vapors, spray or mist. Use protective clothing specified in Section 8.

**STORAGE:** Store away from heat and sunlight to prevent polymerization. Keep away from open flames, ignition sources and hot surfaces. Polymerization initiators include peroxides, strong oxidizers, strong acids & strong bases.

## SECTION 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Dicyclohexylmethane-4-4'-diisocyanate 5124-30-1	Not Established	Not Established	Not Established

**ENGINEERING CONTROLS:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use explosion proof ventilation equipment and non-sparking tools.

**HAND PROTECTION:** Use nitrile, butyl, neoprene or other gloves that are resistant to chemicals in Section 3. Replace immediately if punctured, torn or when change of appearance (color, elasticity, shape) occurs .

**EYE PROTECTION:** Use splash-proof safety goggles, safety glasses or face shields that are ANSI approved to prevent eye contact. Eye wash availability is also recommended.

**SKIN PROTECTION:** Protective or disposable outer clothing is recommended. Protective clothing must be thoroughly cleaned after each use.

**RESPIRATORY PROTECTION:** Use local exhaust to control vapors and mists. Use of a NIOSH approved respirator for organic vapors is recommended if TLV is exceeded .

**CONTAMINATED GEAR:** Lightly contaminated clothing may be laundered but separately from daily use clothing . Heavily contaminated clothing, including shoes and other PPE should be disposed of.

## SECTION 9 - Physical and Chemical Properties

<p><b>Physical State:</b> Liquid</p> <p><b>Odor:</b> Slight, Lachrymatory</p> <p><b>pH:</b> N/A</p> <p><b>Boiling Point/Range:</b> N/A</p> <p><b>Evaporation Rate:</b> N/A</p> <p><b>LEL:</b> N/A</p> <p><b>Vapor Pressure:</b> N/A</p> <p><b>Lbs/Gal:</b> 8.929</p> <p><b>Partition Coefficient (n- octanol/water):</b> N/A</p> <p><b>Decomposition Temperature:</b> N/A</p> <p><b>VOC:</b> N/A</p>	<p><b>Color:</b> Clear</p> <p><b>Odor Threshold:</b> N/A</p> <p><b>Freezing/Melting Point:</b> N/A</p> <p><b>Flash Point:</b> 392°F</p> <p><b>Flammability:</b> N/A</p> <p><b>UEL:</b> N/A</p> <p><b>Vapor Density:</b> N/A</p> <p><b>Solubility:</b> N/A</p> <p><b>Autoignition Temperature:</b> N/A</p> <p><b>Viscosity #3 Zahn:</b> TBD</p>
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## SECTION 10 - Stability and Reactivity

**STABILITY:** Product is stable under recommended storage conditions. Refer to Section 7.

STABLE

**CONDITIONS TO AVOID:** Excessive heat, ignition sources, exposure to direct sunlight and contamination with foreign materials. Avoid freezing. Avoid materials that react violently with water.

None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile organic compounds, which can be flammable, irritating, corrosive or toxic.

None

Hazardous polymerization will not occur.

SECTION 11 - Toxicological Information

**Mixture Toxicity**

Inhalation Toxicity LC50: 0mg/L

**Component Toxicity**

5124-30-1          Dicyclohexylmethane-4,4'-diisocyanate  
Inhalation LC50: 0 mg/L (Rat)

None

Reproductive System

**Effects of Overexposure**

CAS Number  
None

Description

% Weight

Carcinogen Rating  
None

SECTION 12 - Ecological Information

**General Notes** - Avoid release to the environment.

**Component Ecotoxicity**

SECTION 13 - Disposal Considerations

**Waste from Residues/Unused Products** - Dispose of in accordance with local regulations.

**Contaminated Packaging** - Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - Transportation Information

**Disclaimer** - Any given paint product can be shipped in different size containers, ranging from a pint can to bulk tanks. The shipping regulations in the United States vary depending on container size. The Basic Description given below are for shipments in fully regulated, non-bulk containers, where the UN ID Number, Proper Shipping Name, (technical names, if any), Packing Groups & Hazard Class (subsidiary risks, if any) are given. This section does not cover packaging exceptions, such as smaller quantities that can be shipping in combination packaging i.e. Limited Quantities or Consumer Commodities with or without basic descriptions or shipping papers. Not covered are exceptions given for products that do not sustain combustion and are exempted from regulation under certain modes of transportation. Products containing Reportable Quantities (RQ's) of hazardous substances when shipped in bulk, but not reportable when shipped in non-bulk packaging are not covered either. All subsequent shipping of this product must be done by properly trained and certified employees under the specific competent authority's regulations.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Other regulated substances, liquid, n.o.s. (Dicyclohexylmethane-4,4'-diisocyanate)	NA3082	III	9
IATA	Aviation regulated liquid, n.o.s. (Dicyclohexylmethane-4,4'-diisocyanate)	UN3334	III	9
IMDG	N/A	N/A	N/A	N/A

SECTION 15 - Regulatory Information

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

The following items are reportable under SARA 313:

5124-30-1 Dicyclohexylmethane-4-4'-diisocyanate 90 - 100%

This product contains the following chemicals which are listed by the state of California as carcinogenic or a reproductive toxin:

None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	TSCA	No
Canada	DSL	No

**EU Risk Phrases**

**Safety Phrase**

None

SECTION 16 - Other Information

OTHER INFORMATION: Non-combustibility of waterborne coatings: Since they contain large amounts of water, waterborne paints are classified as noncombustible by most standards. Because they contain no solvents, latex paints will neither flash nor burn. However, water soluble coatings in which the organic solvent may be 20% of the solvent mixture, will have a closed-cup flash point similar to that of the organic solvent, but will not support combustion. Since the predominant volatile component of waterborne paint is water, the closed-cup flash point does not give an accurate indicator of the fire hazard.

DISCLAIMER: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of this product is beyond our control, no guarantee expressed or implied, is made by The Berea Hardwoods Co. Inc. as to the effects of such uses nor does The Berea Hardwoods Co. Inc. assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the product herein is in accordance with all applicable laws and regulations.

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Reviewer Revision 1

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