

MATERIAL SAFETY DATA SHEET

Product Name: **CENTI 2000 EP Epoxy Adhesive (Solvent-Free) Part A & B**

Product Code:

Key Number:

Manufactured in the USA for IFA/Centiva

MSDS Number:

MSDS Date: **02/05/07**

Emergency Telephone Numbers: **256.767.4990**



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Flooring Products

HEALTH	0
FIRE	0
REACTIVITY	0
SPECIFIC	N/A

1. IDENTIFICATION

See Addendum:

Reference Page:

Chemical Name: **Epoxy Adhesive**

Chemical Family: **Epoxy**

CAS #

CAS Name:

Synonyms/Common Name: **Helmicol 3032 A**

DOT Information:

Chemical/Molecular Formula: **Blend**

Molecular Weight:

2. PHYSICAL DATA

See Addendum:

Reference Page:

Appearance: **Paste**

Color: **Beige**

State:

Odor Characteristics: **Low Odor**

pH: **N/A**

Viscosity: **Approximately 80,000 cps (75°F, 24°C)**

Specific Gravity (Water=1): **Approximately 1.5 (68°F, 20°C)**

Vapor Density (Air=1): **Heavier than air**

Vapor Pressure: **Per mm of mercury = <1%**

Melting Point:

Boiling Point: **Approximately 425°F**

Flash Point: **N/A**

Freezing Point: **32°F**

Percent Volatility: **By weight, <1%**

Evaporation Rate (BAc=1): **Slower than ether**

Solubility in Water: **Slightly Soluble**

Solubility in Oil:

Solubility in Acetone:

3. INGREDIENTS

See Addendum:

Reference Page:

Material/Components	CAS#	CAS Name	TLV Units	Approximate %
Polyurethans Prepolymer	Proprietary		Not Established	11-17%
Epoxy Resin	025085-99-8		Not Established	25-35%
CI2-CI4 Mono-Functional Epoxy Diluent	68609-97-2		Not Established	5-9%

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4. FIRE AND EXPLOSION HAZARD DATA

See Addendum:

Reference Page:

Flash Point: **>200°F**

Extinguishing Media: **Will not support combustion**

Special Fire-Fighting Procedures: **Respiratory and eye protection required for fire fighting personnel. Full protective equipment and a self-contained breathing apparatus (SCBA) should be used in all indoor fires and any large outdoor fires.**

Unusual Fire and Explosion Hazards: **May release flammable mixtures when temperatures are at or above the flash point. Toxic gases will form upon combustion. Closed containers may explode when exposed to extreme heat. Vapors are heavier than air and may travel a considerable distance.**

Flammable Limits in Air % by Volume: **Lower: N/A Upper: N/A**

Hazardous Combustion Products: **Carbon monoxide, carbon dioxide, smoke and fumes, hydrocarbon fragments.**

5. HEALTH HAZARD DATA

See Addendum:

Reference Page:

Threshold Limit Value: **N/A**

Effects of Overexposure: **None known**

Causes eye irritation. May cause respiratory irritation. May cause central nervous system depression. May cause dermatitis.

Inhalation: **Overexposure may cause severe respiratory tract irritation. Prolonged overexposure may cause central nervous system depression with narcotic effects (headache/dizziness). Keep exposure below OSHA exposure limits.**

Skin Contact: **Prolonged exposure may cause skin irritation. May cause drying or flaking of skin. Skin absorption of material may cause systemic toxicity.**

Eye Contact: **May cause severe irritation. May damage eyes.**

Ingestion: **Ingestion may severe injury to intestinal tract, liver, kidneys, stomach, throat, lungs, mouth and mucous membranes. Harmful or fatal if swallowed. Do not ingest.**

Delayed Effects: **None known**

Medical Conditions Aggravated by Exposure: **None known**

CHRONIC EFFECTS/CARCINOGENICITY (Cancer Causing)

IARC: **Not suspected as a human carcinogen**

OSHA: **Not suspected as a human carcinogen**

NTP: **Not suspected as a human carcinogen**

OTHER: **None known**

6. FIRST AID MEASURES

See Addendum:

Reference Page:

Inhalation: **Should inhalation problems occur, move victim to fresh air and aid in breathing if necessary.**

Skin Contact: **Wash with soap and water.**

Eye Contact: **Flush with water for 15 minutes, lifting eyelids occasionally.**

Ingestion: **Do not induce vomiting. CALL PHYSICIAN IMMEDIATELY.**

If irritation should develop or persist from these exposures, call physician immediately.

Notes to Physician:

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7. REACTIVITY DATA

See Addendum:

Reference Page:

Stability: **Stable**

Incompatibility (materials to avoid): **Oxidizing agents and caustics**

Hazardous Combustion or Decomposition Products: **Oxides of carbon if co-burned with flammable material**

Hazardous Polymerization: **Will not occur**

Conditions to Avoid: **N/A**

8. SPILL OR LEAK PROCEDURES

See Addendum:

Reference Page:

Actions to Take for Leaks and Spills: **Scrape up excess and place in DOT approved container. Clean with soapy water.**

Waste Disposal Method: **Dispose of as per local, state, and federal regulations.**

9. SPECIAL PROTECTION INFORMATION

See Addendum:

Reference Page:

Respiratory Protection: **None required**

Eye Protection: **Safety goggles required**

Skin Protection: **None required**

Other Clothing: **None required**

Other Equipment:

Work/Hygienic Practices: **Thorough washing of skin with soap**

Ventilation: **Local exhaust; use with adequate ventilation. Open doors and windows to create cross ventilation during use and until adhesive dries.**

10. HANDLING AND STORAGE

See Addendum:

Reference Page:

Special Precautions: **Keep container closed and store in a cool, dry area.**

Other Precautions: **N/A**

11. REGULATORY INFORMATION

See Addendum:

Reference Page:

Workplace Classification:

A

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12. TOXICOLOGICAL INFORMATION

See Addendum:

Reference Page:

Acute Data:

Reproductive/Teratology Data:

B

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13. ECOLOGICAL INFORMATION

See Addendum:

Reference Page:

Fate in the Environment:

14. DISPOSAL CONDITIONS

See Addendum:

Reference Page:

Procedures:

15. TRANSPORTATION INFORMATION

See Addendum:

Reference Page:

DOT Classification: **Adhesives**

Warning Labels: **N/A**

TSCA Inventory Status: Listed on Inventory: Yes.

PROPOSITION 65: If your business resides in the state of California or if you supply products directly or indirectly into California, we are providing this information to you pursuant to the California Safe Drinking Water and Toxic Act of 1986 (commonly known as proposition 65). This law requires, in part, that "no person in the course of doing business shall knowingly and intentionally expose any individual to chemicals known to the state to cause cancer or reproductive toxicity without first exempt from the warning requirements "an exposure for which the person responsible can show that the exposure poses no significant risk..." (Section 25249.10).

There may be small, perhaps undetectable amounts, of other naturally occurring chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm. This warning is provided in the absence of definitive testing to prove that these risks do not exist. These amounts are typical quantities and may be below the Proposition 65 level of concern, or could even be zero.

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training and access to written records. It is your legal duty to make all information in this material safety data sheet available to your employees.

The following ingredients are considered to be classified as per OSHA Hazard Communication Standard (29CFR1910.1200): N/A

ADDENDUM B.

DISCLAIMER INFORMATION

The criteria for listing components in the hazardous ingredients section is as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater.

While this information and recommendations set forth herein are believed to be accurate as of the date hereof, IFA/Centiva makes no warranty with respect hereto and disclaims all liability from reliance thereon.

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