

# MATERIAL SAFETY DATA SHEET

## FOR COATINGS, RESINS, AND RELATED MATERIALS

This MSDS sheet meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200)

### SECTION I

**Manufacturers Name:** RBC Industries, Inc. **Date of prep:** July 2, 2007  
**Street Address:** 80 CYPRESS STREET **City, State, Zip:** WARWICK RI 02888  
**Emergency Phone No:** 800-424-9300 (CHEMTREC) **Chemical Family:** EPOXY CURING AGENT  
**Information Phone No:** 401-941-3000  
**Manufacturers Code Name:** HARDENER AB-312 **Chemical Name:** CYCLOALIPHATIC AMINE

### SECTION II HAZARDOUS INGREDIENTS

Ingredient	% (optional)	CAS Number	OSHA PEL mg/m <sup>3</sup>	ACGIH TLV-TWA mg/m <sup>3</sup>
CYCLOHEXYLAMINE	>85	2855-13-2	NOT ESTABLISHED	NOT ESTABLISHED

### SECTION III PHYSICAL DATA

**Boiling Point (DEG F):** 475 Deg F **Specific Gravity (Water=1):** 0.93  
**Vapor Pressure (mm Hg):** N/A **Percent Volatile by Volume:** 0.0  
**Vapor Density (Air=1):** N/A **Evaporation Rate Vs Ether:** LESS THEN  
**Solubility in Water:** YES  
**Appearance and Order:** CLEAR COLORLESS LIQUID, AMONIACAL ODOR

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** 235 Deg F (PMCC) **Flammable Limits:** NOT DETERMINED

**Extinguishing Media:** Use Water Spray, Dry Chemical, Foam or Carbon Dioxide

**Special Fire Fighting Procedures:** Treat As A Class B Fire: Use Water To Cool Containers

**Unusual Fire and Explosion Hazards:** None

### SECTION V HEALTH HAZARD DATA

**Effects of Overexposure:**

**INGESTION:** LOW ACUTE ORAL TOXICITY.

**EYE CONTACT:** EXTREMELY IRRITATING WITH POSSIBLE EYE INJURY.

**SKIN CONTACT:** OVEREXPOSURE COULD CAUSE BURNS OR BLISTERING.

**SKIN ABSORPTION:** NOT LIKELY TO BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS.

**INHALATION:** NOT CONSIDERED A PROBLEM UNLESS HEATED TO HIGH TEMPERATURE.

**Emergency First Aid Procedure:**

**SKIN CONTACT:** WASH WITH SOAP AND WATER; WASH CLOTHES BEFORE REUSE.

**EYE CONTACT:** IRRIGATE WITH WATER FOR FIFTEEN MINUTES; CONSULT PHYSICIAN.

**INHALATION:** REMOVE TO FRESH AIR IF EFFECTS OCCUR; CONSULT PHYSICIAN.

**INGESTION:** DO NOT INDUCE VOMITING; GIVE LARGE QUANTITIES OF WATER; GIVE ONE OUNCE VINEGAR IN ONE OUNCE WATER; CONSULT PHYSICIAN.

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## SECTION VI REACTIVITY DATA

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**Stability:** STABLE

**Incompatibility (Materials to Avoid):**

STRONG OXIDIZERS

**Hazardous Decomposition Products:**

DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE.

**Hazardous Polymerization:** WILL NOT OCCUR.

**Conditions to Avoid:** OXIDIZING MATERIALS.

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## SECTION VII SPILL OR LEAK PROCEDURE

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**Steps to be taken if Release or Spilled:** ABSORB WITH INERT MATERIAL (SAND, VERMICULITE, ETC.), SWEEP OR SCOOP UP AND PUT IN DISPOSAL CONTAINER. FLUSH AREA IMMEDIATELY WITH PLENTY OF WATER; PREVENT WASHINGS FROM ENTERING WATERWAYS.

**Waste Disposal Method:** INCINERATE IN FURNACE OR BURY IN LANDFILL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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## SECTION VIII SPECIAL PROTECTION INFORMATION

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**Respiratory Protection:** NIOSH APPROVED ORGANIC VAPOR RESPIRATORS ARE ONLY REQUIRED WHEN VENTILATION IS INADEQUATE. NIOSH APPROVED AIR-LINE RESPIRATORS WITH AUXILIARY ESCAPE AIR TANKS OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED SPACES.

**Ventilation:** LOCAL MECHANICAL EXHAUST.

**Protective Gloves:** IMPERVIOUS GLOVES.

**Eye Protection:** SAFETY GLASSES WITH SIDE SHIELDS.

**Other Protective Equipment:** SAFETY SHOWER AND EYE BATH SHOULD BE PROVIDED. USE COVERALLS OR APRON TO PROTECT AGAINST SKIN AND CLOTHING CONTAMINATION.

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## SECTION IX SPECIAL PRECAUTIONS

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**Precautions to be Taken in Storage and Handling:** PRACTICE REASONABLE CARE AND CLEANLINESS.

**Other Precautions:** AVOID GROSS CONTAMINATION OF SKIN. WASH SKIN WITH PLENTY OF SOAP AND WATER. USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPORS.

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N/A INDICATE THAT THIS SPECIFICATION DOES NOT APPLY TO THIS PRODUCT