

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:** September 23, 2013
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 ³	ACGIH TLV-TWA mg/m ³
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.

SECTION VI REACTIVITY DATA

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.

SECTION VII SPILL OR LEAK PROCEDURE

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.

SECTION VIII SPECIAL PROTECTION INFORMATION

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.

SECTION IX SPECIAL PRECAUTIONS

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.

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