



GARLAND INDUSTRIES

Material Safety Data Sheet (MSDS)

Revised 2/11

THE GARLAND COMPANY, INC.
3800 EAST 91ST. STREET
CLEVELAND, OHIO 44105-2197
PH: (216) 641-7500
FAX: (216) 641-0633

GARLAND CANADA, INC.
1296 MARTIN GROVE ROAD
TORONTO, ONTARIO, M9W 4X3
PH: (416)747-7995
FAX: (416)747-1980

Garland Company UK Ltd.
Unit 5, Glevum Works, Upton Street
Gloucester, UK GL14LA
Ph: 01452 330 646
Fax: 01452 330 657 (only in UK)
Ph: 011 44 1452 330 646
Fax: 011 44 1452 330 657 (outside UK)

CHEMICAL FAMILY: 100% Solids Epoxy

Product Name: Dura-Walk® Sealer/Primer Parts A & B

Product Code: 2512-10

TRANSPORTATION EMERGENCY ASSISTANCE / CALL CHEMTREC / 1-800-762-8225

NFPA HAZARD RATINGS

A / B
H - 1 / 3
F - 1 / 1
R - 0 / 0
P - - / -

DEGREE OF HAZARD: 4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT

SECTION II - HAZARDOUS SUBSTANCES

HAZARDOUS INGREDIENTS	Approx. % BY WT	OSHA PEL	ACGIH TLV
Part A: Reaction products of Epichlorohydrin and Bisphenol A CAS# 25085-99-8	62		Not Established
Part B: Polyamido amine CAS# Mixture	33		Not Established

SECTION III - PHYSICAL DATA

BOILING POINT A/B:> 200° F **WEIGHT PER GALLON** A: 11.2 +/- .2
B: 9.8 +/- .2

VAPOR DENSITY (air=1) A/B: NA**VAPOR PRESSURE** (mm Hg @ 20°C/68°F)
A/B: No data**% VOLATILE BY VOLUME** A/B: 0**EVAPORATION RATE** (ether=1) A/B: Slower

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (TOC): A/B: > 200° F**EXTINGUISHING MEDIA:** Foam, alcohol foam, CO2 & dry chemical**SPECIAL FIRE FIGHTING PROCEDURES:** Use a positive pressure, self-contained breathing apparatus and protective clothing.**UNUSUAL FIRE & EXPLOSION HAZARD:** None known. Treat as combustible. Decomposition and combustion products may be toxic.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:**EYES:** May cause severe irritation with corneal injury, which may result in permanent impairment of vision, even blindness. Vapors may irritate eyes.**SKIN CONTACT:** May cause severe injury to skin following prolonged or repeated contact and may cause skin sensitization or other allergic responses.**SKIN ABSORPTION:** A single prolonged exposure may result in the material being absorbed in harmful amounts.**INGESTION:** May cause gastrointestinal irritation or ulceration. Ingestion may cause burns of mouth and throat.**INHALATION:** May cause respiratory sensitization or asthma in susceptible individuals. Excessive exposure may cause irritation to upper respiratory tract.**EMERGENCY & FIRST AID:****EYE CONTACT:** Immediate and continuous irrigation with flowing water for at least 30 minutes is required. Promptly seek medical attention.**SKIN CONTACT:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention immediately. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.**INGESTION:** Do not induce vomiting. Give large amounts of water or milk if available and transport to a medical facility.**INHALATION:** Remove to fresh air. Consult a physician.

NOTE TO A PHYSICIAN: Corrosive. May cause stricture. If lavage is performed, suggest endotracheal and/or esophageal control. If burn is present, treat as a thermal burn after decontamination. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Prolonged or repeated skin contact may cause sensitization.

=====
SECTION VI - REACTIVITY DATA
=====

STABILITY:

- A:** Excess heating over long periods of time degrades the resin.
- B:** Will react strongly with epoxy resins at elevated temperatures. Mix with Part B under controlled conditions.

INCOMPATIBILITY:

- A:** Strong bases.
- B:** Epoxy resins under uncontrolled conditions.

CONDITIONS TO AVOID: Temperature extremes.

HAZARDOUS DECOMPOSITION PRODUCTS:

- A:** Nitrogen oxides when burned.
- B:** Phenolics, carbon monoxide and water.

HAZARDOUS POLYMERIZATION:

A/B: Will not occur if components are kept separate

=====
SECTION VII - SPILL OR LEAK PROCEDURES
=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid personal contact. Use absorbent material. Collect into appropriate containers. Residual may be removed using steam or hot soapy water.

WASTE DISPOSAL METHOD: Dispose in accordance with local, state, and federal regulations.

=====
SECTION VIII - SPECIAL PROTECTION INFORMATION
=====

RESPIRATORY PROTECTION: Do not breathe vapor, mist or spray. Use an approved air-purifying or supplied air respirator during spray applications or in confined or poorly ventilated areas when the vapor concentrations cannot be kept below the PEL.

VENTILATION: Good general room ventilation is usually adequate. Local exhaust ventilation may be necessary in poorly ventilated areas or under conditions of high temperatures to keep vapor concentrations below the PEL.

PROTECTIVE GLOVES: Chemical resistant gloves

EYE PROTECTION: Safety goggles. If vapor causes eye irritation, wear a full face respirator.

OTHER PROTECTIVE EQUIPMENT: Eye wash & safety shower should be available.

=====
SECTION IX - SPECIAL PRECAUTIONS & TOXICOLOGICAL PROPERTIES
=====

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Contaminated leather items such as shoes, belts and watchbands should be removed and destroyed.

TOXICOLOGICAL PROPERTIES: Ingredients in the Part B have had both positive and negative in-vitro mutagenicity test results.

=====
Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.