

Autoheal DATA SHEET

General Description: Autoheal is produced from a specially formulated high performance rectangular silicone rubber. This will form an irreversible bond to provide an isolative barrier that is resistant to moisture, oxygen, ozone and corona over a wide temperature range.

Typical Properties: _____ **Performance:** _____ **Method A-A-59163**

Operating temperature range: _____ **- 65°C to 260°C**

Cold Brittle Point: _____ **- 90°C**

Hardness Shore A: _____ **50**

Tensile Strength Min: _____ **49.21 tech/atm (700 psi)**

Elongation Min: _____ **300%**

Tear Strength Min: _____ **Kgf/cm2 5.98 (85 ppi)**

Bond Strength Min: _____ **0.91kg (2 lbs)**

Water Absorption Min: _____ **3% by Weight**

Dielectric Strength Min: _____ **400 v/mil (7,000 volts / 20 mil)**

Liner Type: _____ **Polyethylene**

The information contained herein is believed reliable, but all recommendations or suggestions are made without guarantee. You should thoroughly and independently test materials for any planned applications and determine satisfactory performance before commercialization. Furthermore, no suggestion for use, or material supplied, shall be construed as a recommendation or inducement to violate a law or infringe a patent. Updated 17/12/07

_____ **This product is manufactured for Le Mark under ISO9001:2000**



SAFETY DATA SHEET

Revision Date: 11 October 2007

Supersedes Date: not applicable

Product Part Number: RT (24) or (48) BK, W or C

Changes to thickness, width, roll length; these values do not affect the chemical composition of the product.

Product Description: Self-Fusing Silicone Repair Tape (Rectangular, Unsupported)

Appearance: translucent silicone rubber on polymer liner

Stability and Reactivity:

Product may form formaldehyde vapors at temperatures above 149oC (300oF) in the presence of air. A formaldehyde MSDS is available from Le Mark Group Ltd upon request.

Likely Routes of Exposure:

None known

Medical Conditions Aggravated by Exposure:

None known

This product is considered non-hazardous by the OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Chemical Name: CAS Number: % by Weight:

Hazardous:

No reportable ingredients not applicable not applicable

Eye Contact: Flush eyes with water for at least 15 minutes.

Skin Contact: Flush affected area with plenty of soap and water.

Ingestion: Get medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Section 2: HAZARDS IDENTIFICATION

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Section 4: FIRST AID MEASURES

Section 5: FIRE FIGHTING MEASURES

Extinguishing Media:

All standard extinguishing agents are suitable.

Protection for Fire Fighters:

Self-contained breathing apparatus and protective clothing should be worn in fires involving this material.

Products of Combustion:

Carbon monoxide, carbon dioxide, silicon dioxide, formaldehyde, chlorine compounds, carbon compounds and metal oxides.

Sensitive to Mechanical Impact:

Not expected

Sensitive to Static Discharge:

Not expected

Personal Precautions:

Use personal protective equipment recommended in section 8.

Environmental Precautions:

This material will not biodegrade.

Methods for Clean-Up:

Wipe or scrape up material and place in container for disposal. Use absorbent to remove any residues.

Handling:

Use personal protective equipment recommended in section 8

Storage:

Store material in original packaging away from excess heat and incompatible materials.

Exposure Guidelines:

Chemical Name: OSHA PEL: ACGIH TLV:

Hazardous:

No reportable ingredients NA NA NA NA

Eye / Face Protection:

Wear safety glasses (minimum required).

Skin Protection:

Wear suitable disposable gloves.

Respiratory Protection:

Section 6: ACCIDENTAL RELEASE MEASURES

Section 7: HANDLING AND STORAGE

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Wear a NIOSH approved air-purifying respirator if exposure levels may be exceeded.

General Hygiene Considerations:

Wash thoroughly after handling material prior to eating, drinking or smoking.

Color: red

Odor (threshold): slightly sweet (not determined)

Physical State: solid

Appearance: translucent silicone rubber on polymer liner

Melting Point, oC (oF): not determined

Boiling Point, oC (oF): not determined

Flash Point, oC (oF): not determined

Evaporation Rate (BuAc = 1): not determined

Vapor Pressure, mm Hg: not determined

Vapor Density (Air = 1.0): not determined

Solubility in Water: nil

Reactivity with Water: nil

Specific Gravity: 1.2 (rubber only)

Note: The above information is not intended for use in preparing product specifications.

Contact Arlon before writing specifications

Stability:

Material is stable.

Conditions to Avoid:

None known

Incompatible Materials:

None known

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, silicon dioxide, formaldehyde, chlorine compounds, carbon compounds and metal oxides.

Hazardous Polymerization:

Will not occur.

Toxicology Information for Product:

Toxicological testing has not been conducted by Le Mark Group Ltd on this material.

Section 9: **PHYSICAL AND CHEMICAL PROPERTIES**

Section 10: **STABILITY AND REACTIVITY**

Section 11: **TOXICOLOGY INFORMATION**

Product may form formaldehyde (potential carcinogen) if heated in air above 149oC (300oF). A formaldehyde MSDS is available from Le Mark Group Ltd upon request.

Ecological Information on Product:

Ecological testing has not been conducted by Le Mark Group Ltd on this material.

Persistence / Degradability:

This material will not biodegrade.

Bioaccumulation:

This material is non-water soluble, if ingested it is not expected to be absorbed.

Disposal:

Consult federal, state and local regulations to determine appropriate disposal options.

Schedule B (Description of Commodity):

As supplied: 4008.11.0000

Contents of this MSDS comply with the OSHA Hazardous Communication Standard 29 CFR 1900.1200.

Global Inventories:

TSCA: United States Yes

SARA Title III Chemical Listings:

Section 302: Extremely Hazardous Substance: None Known

Section 304: CERCLA Hazardous Substances: None Known

Section 311 / 312 Hazard Class:

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

Section 313: Toxic Chemicals:

None known

Section 12: **ECOLOGICAL INFORMATION**

Section 13: **DISPOSAL CONSIDERATIONS**

Section 14: **TRANSPORTATION INFORMATION**

Section 15: **REGULATORY INFORMATION**

Prepared by:

Le Mark Group Ltd

These data are offered in good faith as typical values and not as product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable.

However, each user shall review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Section 16: **OTHER INFORMATION**

Revised March 2017