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Section 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Part Number: T2###-B###-##
(MOX-Tape, Triangular, Black)

are wild cards for thickness, width and roll length designations; these values do not affect the chemical composition of the product.

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

Section 2: HAZARDS IDENTIFICATION

Appearance: black silicone rubber on polymer liner

Stability and Reactivity:

Product may form formaldehyde vapors at temperatures above 149°C (300°F) in the presence of air. A formaldehyde MSDS is available from Arlon 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.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number:	% by Weight:
Hazardous:		
Thermal black	01333-86-4	1 - 5

Section 4: FIRST AID MEASURES

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 5: FIRE FIGHTING MEASURES

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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

Section 6: ACCIDENTAL RELEASE MEASURES

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.

Section 7: HANDLING AND STORAGE

Handling:

Use personal protective equipment recommended in section 8

Storage:

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

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Chemical Name:	OSHA PEL:		ACGIH TLV:	
Hazardous:				
Thermal black	3.5	mg/m ³	3.5	mg/m ³

Under normal processing conditions, carbon black is considered to be safe through encapsulation in the silicone rubber. Avoid processing conditions that could release small particles of material. If necessary, use respiratory protection. See note in Section 11 for additional information.

Eye / Face Protection:

Wear safety glasses (minimum required).

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Skin Protection:

Wear suitable disposable gloves.

Respiratory 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.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color:	black
Odor (threshold):	slightly sweet (not determined)
Physical State:	solid
Appearance:	black silicone rubber on polymer liner
Melting Point, °C (°F):	not determined
Boiling Point, °C (°F):	not determined
Flash Point, °C (°F):	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

Section 10: STABILITY AND REACTIVITY**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.

Section 11: TOXICOLOGY INFORMATION

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Toxicology Information for Product:

Toxicological testing has not been conducted by Arlon on this material.

Product may form formaldehyde (potential carcinogen) if heated in air above 149°C (300°F). A formaldehyde MSDS is available from Arlon upon request.

In 1995 the International Agency for Research on Cancer (IARC) concluded, "There is *inadequate evidence* in humans for the carcinogenicity of carbon black". Based on rat inhalation studies, IARC concluded that there is, "*sufficient evidence* in experimental animals for the carcinogenicity of carbon black," resulting in their classifying carbon black as "*possibly carcinogenic to humans (Group 2B)*".

Carbon black is not designated a carcinogen by the U.S. National Toxicology Program (NTP), the U.S. Occupational Safety and Health Administration (OSHA), the American Conference of Governmental Industrial Hygienists (ACGIH) or the European Union (EU).

Under normal processing conditions, carbon black is considered to be safe through encapsulation in the silicone rubber. Avoid processing conditions that could release small particles of material (10 microns or less). If necessary, use respiratory protection.

Section 12: ECOLOGICAL INFORMATION

Ecological Information on Product:

Ecological testing has not been conducted by Arlon 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.

Section 13: DISPOSAL CONSIDERATIONS

Disposal:

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

Section 14: TRANSPORTATION INFORMATION

Schedule B (Description of Commodity):

As supplied: 4008.11.0000

Section 15: REGULATORY INFORMATION

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

Global Inventories:

TSCA: United States	Yes
AICS: Australia	No

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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

Supplemental State Compliance Information:

California Proposition 65:

Warning: This product, or one of its components, is not listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive hard.

Section 16: OTHER INFORMATION

Legend:

ACGIH	American Conference of Governmental Industrial Hygienists
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
DOT	Department of Transportation
DSL	Domestic Substances List
EINCS	European Inventory of Existing Chemical Substances
ENCS	Existing and New Chemical Substances
EPA	Environmental Protection Agency
IARC	International Agency of Research on Cancer
LD50	Lethal Dose expected to kill 50% of population
LC50	Lethal Concentration expected to kill 50% of population
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act of 1986
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
WHMIS	Workplace Hazardous Materials Information System
NA	Not Applicable
CFR	Code of Federal Regulations
	Title 29: OSHA Regulations
	Title 40: EPA Regulations
	Title 49: DOT Regulations

Prepared by:

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Arlon - Silicone Technologies Division

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.