

MATERIAL SAFETY DATA SHEET

Date Prepared: January 2009

Product: Visco-elastic thermoplastic elastomers

Section I MANUFACTURER'S INFORMATION

S&E Polymer Solutions
3453 Parkwood Common
Hamburg, NY 14075

Contact info: contactus@s-epolymers.com

Section II HAZARDS IDENTIFICATION

Emergency Overview

Type of hazard

Not applicable

Appearance

Colorless to straw; gelatinous solid

Potential Health Effects

Inhalation

Product has low vapor pressure and is not expected to present an inhalation hazard at ambient conditions

Skin contact

Product is not expected to cause any skin irritation upon direct single or repeated and prolonged contact; however a minimal to slight dermal irritation may occur to sensitive skin

Eye contact

Product is minimally irritating to the eyes upon direct contact

Ingestion

Ingestion is relatively nontoxic unless aspiration occurs. Product can have a laxative effect

Chronic effects

Prolonged exposure to product have not been established

Section III COMPOSTION / INFORMATION ON INGREDIENTS

The identity of individual components of this product is proprietary information and regarded to be a trade secret. However, based on the health hazard determination of contained ingredients present, this product presents the following health hazard:

Hazardous Components

Oil mist – mineral oil CAS #8042-47-5 % by weight (range) 65-90%

Section IV FIRST AID MEASURES

Skin contact

If irritation occurs thoroughly wash the exposed area and discontinue use

Eye contact

Flush with copious amounts of water for 15 minutes. If irritation persists seek medical assistance.

Ingestion	Do not induce vomiting; drink 3-4 glasses of water. Get prompt medical attention.
Inhalation	This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions.

Section V	FIRE FIGHTING MEASURES
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Extinguishing media	Dry chemical, foam, carbon dioxide or water fog
Products of combustion	Carbon dioxide, carbon monoxide, smoke, fumes, and unburned hydrocarbons
Fire fighting procedures	Must wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire exposed container with water spray.

Section VI	ACCIDENTAL RELEASE MEASURES
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Containment and disposal	Spilled material is slippery. Do not allow to enter into sewer system or surface water. Absorb spilled material with inert materials such as sawdust, sand, earth. If molten, allow to cool, then sweep up and dispose of in accordance with federal, state, and local regulations.
Personal safeguards	Consult health effects information in Section II, personal protection information in Section VIII, fire and explosion information in Section V, and stability and reactivity information in Section X. Remove all sources of ignition.

Section VII	HANDLING AND STORAGE
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Handling	Use as directed. Spilled material is slippery. Avoid extreme temperatures to minimize product degradation.
Storage precautions	Store in a cool, dry area in closed containers away from heat, sparks, open flames and oxidizing materials. Protect containers against damage and contamination. Keep out of reach of children.
Other precautions	Not applicable

Section VIII	EXPOSURE CONTROL / PERSONAL PROTECTION
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Exposure guidelines	<u>Component</u>	<u>OSHA</u>	<u>ACGIH</u>
	Mineral oil mist	TWA 5mg/m ³	TWA 5mg/m ³ STEL 10mg/m ³
Engineering control	If vapor or mist is generated when the material is handled, adequate ventilation must be provided		
Respiration protection	Not required		
Protective gloves	Not required		

Eye and face protection	Not required
Hygienic work practices	Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

Section IX PHYSICAL AND CHEMICAL PROPERTIES

Color	Colorless to light straw
Odor/taste	Characteristic
Appearance	Hazy, gelatinous solid
pH	Not applicable
Viscosity	Not applicable
Flash point	Not applicable
Freezing point	Not applicable
Melting point	Not applicable
Boiling range	Not applicable
Solubility in water	Insoluble
Evaporation rate	Slower than ether
Vapor density	Heavier than air
Solids content	Not applicable
Specific gravity	0.860-0.880
Weight per gallon	7.16-7.33 lb/gallon
VOC content	Not applicable

Section X STABILITY / REACTIVITY

Chemical stability	Stable
Incompatible materials to avoid	Strong acids and oxidizing agents
Hazardous decomposition products	May produce CO _(x) and hydrocarbons
Hazardous polymerization	Will not occur
Conditions to avoid	Extreme temperatures

Section XI TOXICOLOGICAL INFORMATION

Health warnings	No specific toxicological data is available for this product. Please refer to Section II for available information on Potential Health Effects.
Chronic effects	Chronic effects and medical conditions aggravated by overexposure to this product have not been established. Unnecessary exposure to this product or any chemical should be avoided.
Carcinogenicity	The International Agency for Research on Cancer (IARC) has concluded that highly refined mineral oils are Group 3 substances, "Not classifiable as to their carcinogenicity to humans," based on inadequate human and inadequate animal studies.
OSHA hazard	This substance is not carcinogenic according to the OSHA Hazard Communication Standard

Section XII ECOLOGICAL INFORMATION

Ecological information	Avoid uncontrolled release of this material. No specific ecological data are available for this product. Please refer to Section VI for information regarding accidental releases and Section XV for regulatory reporting information.
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Section XIII DISPOSAL CONSIDERATIONS

Water Disposal Method	Collect and dispose of in an appropriate manner which complies with federal, state and local regulations
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Section XIV TRANSPORT INFORMATION

Ground	US DOT Proper Shipping Name	Not regulated
	US DOT Hazard Class	Not applicable
	US DOT Label Required	Not applicable
Air	IATA Proper Shipping Name	Not regulated
	IATA Hazard Class	Not applicable
	IATA Label Required	Not applicable
Water	IMDG Proper Shipping Name	Not regulated
	IMDG Hazard Class	Not applicable
	IMDG Label Required	Not applicable

Section XV REGULATORY INFORMATION

TSCA	Not applicable
SARA, Title III	
Section 311-312 (40 CFR 370)	No SAA 311/312 hazard categories identified
Section 313 (40 CFR 372)	This product is not known to contain any SARA, Title III, Section 313 Reportable Chemicals at or greater than 1.0% (0.1% for carcinogens)
OHSA Hazard Determination	This product is NOT HAZARDOUS according to OSHA Hazard Communications Standard 29 CFR 1910.1200
Proposition 65	This product is not known to contain any components for which the state of California has found to cause cancer, birth defects or other reproductive harm
IARC	This product contains mineral oil which is included by the International Agency for Research on Cancer to be among Group 3 substances, "Not classifiable as to their carcinogenicity to humans," based on inadequate human and animal evidence.

Section XVI OTHER INFORMATION

Note: The information presented herein for this product or its components has been compiled from different supplier sources considered to be dependable and is accurate to the best of our knowledge as to the proper use and handling of this product under normal conditions. However, no representation, warranty, or guarantee

is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Any use of this product which is not in conformance with this MSDS or which involves using the product in combination with any other product or any process is the responsibility of the user.

EXPLANATION OF ABBREVIATIONS

ACGIH	American Conference of Governmental Industrial Hygienics
CAS #	Chemical Abstract System number
DOT	Department of Transportation
IARC	International Agency for Research on Cancer
IMDG	International Maritime Dangerous Goods Code
NA	Not applicable
ND	Not determined
NFPA	National Fire Protection Agency
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limits
ppm	parts per million
PROP 65	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
SARA	Superfund Amendments and Reauthorization Act Title I, II, III
TCC	Tag Closed Cup (Flash Point)
TSCA	The Toxic Substances Control Act
TLV	Threshold Limit Value