

Sarlink® 4300 Series

1. GENERAL INFORMATION

Product Name	Natural and black grades of SARLINK® 3380, 4370, 4380, 4390, 4339D, X-4339D-09.															
Chemical Name & Synonyms	Polyolefin Elastomer Blend, Thermoplastic Elastomer (TPE).															
CAS Registry Number	Proprietary blends. Not identified by CAS number. Components of these products are listed under TSCA Chemical Substances Inventory.															
	<table> <thead> <tr> <th>Material</th> <th>CAS Number</th> <th>Percent</th> </tr> </thead> <tbody> <tr> <td>Antimony Trioxide</td> <td>1309-64-4</td> <td>5 - 25</td> </tr> <tr> <td>Organic Flame Retardent (Aromatic Bromide)</td> <td></td> <td>10 - 30</td> </tr> <tr> <td>Carbon Black (Black Grades only)</td> <td>1333-86-4</td> <td>0 - 10</td> </tr> <tr> <td>Other Proprietary blends</td> <td></td> <td>Balance</td> </tr> </tbody> </table>	Material	CAS Number	Percent	Antimony Trioxide	1309-64-4	5 - 25	Organic Flame Retardent (Aromatic Bromide)		10 - 30	Carbon Black (Black Grades only)	1333-86-4	0 - 10	Other Proprietary blends		Balance
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Emergency Telephone No.	1-800-424-9300 (Chemtrec)															
Information Telephone No.	1-800-524-0120															
Prepared by	DSM Thermoplastic Elastomers Inc. 31 Fuller Street Leominster, MA 01453-4451															
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2. PHYSICAL DATA

Physical State	Solid
Odor and Appearance	No odor; pellets
Odor Threshold	Not applicable
Specific Gravity	1.25 - 1.32
Vapor Pressure	Not applicable, non-volatile material
Vapor Density	Not applicable, non-volatile material
Evaporation Rate	Not applicable, non-volatile material
Boiling Point	Not applicable, solid material
Melting Point	Softens at 150°C (302°F)
pH	Not applicable
Coefficient of Oil/Water Distribution	Not established
Solubility in Water at 20°C	Insoluble

3. FIRE OR EXPLOSION HAZARD DATA

Flash Point	Not established
Auto Ignition Temperature	Not established
Flammable Limits	Not applicable, non-volatile material
Hazardous Combustion Products	Carbon monoxide, products from incomplete combustion and various hydrocarbon compounds
Extinguishing Media	Use Carbon dioxide, water fog, foam or dry chemical.
Special Firefighting Procedures	Firefighters must wear full-face positive-pressure, self-contained breathing apparatus to provide protection against combustion products. Evacuate all unprotected personnel.
Unusual Fire and Explosion Hazards	Small amounts of fines of products may be formed. Every effort should be made to prevent the accumulation of fines in material handling systems. Equipment and conveying lines must be well grounded to eliminate any build-up of static electricity.

Reactivity = 1 (slight)
Reactivity = 0 (insignificant)

4. REACTIVITY DATA

Stability	Stable
Conditions to Avoid:	Temperature over 260°C (500°F) may cause degradation. Avoid ignition source.
Materials to Avoid:	Strong oxidizing agents; Polyacetal resins at processing temperature.
Hazardous Decomposition Products:	Carbon monoxide, various hydrocarbons, products from incomplete combustion.
Hazardous polymerization	Will not occur.

5. REGULATORY HAZARD, HEALTH INFORMATION

OSHA	These products are not hazardous under Hazard Communication Standard 29 CFR part 1910.1200 (see note below).
WHMIS	These products are not hazardous as defined in Canadian WHMIS Regulations.
DOT/TDG	Not regulated by U.S. Department of Transportation and Canadian Transportation of Dangerous Goods Regulations
SARA Title III	These products contain no known toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.
TSCA:	All ingredients are on the TSCA Chemical Substance Inventory.
CEPA	Components of these products are included in Canada's DSL (Domestic Substance List).

Note: Black grades contain carbon black, which is considered a nuisance dust hazard by OSHA 29 CFR 1910.1000 Subpart Z-1. However, carbon black incorporated into the thermoplastic elastomers in the form delivered, is no longer believed to be a nuisance dust hazard by DSM Thermoplastic Elastomers.

6. TOXICOLOGICAL AND HEALTH DATA

Specific Hazard	No acute or chronic hazards or effects are anticipated from the products at ambient temperature, However, at processing temperature, the products can emit fumes and vapors which may cause irritation of the eyes and respiratory tract. Good industrial hygiene and safety practices are always recommended.	
Routes of Exposure	Eye contact:	Not a probable route of exposure. Particulates may scratch eye surface or cause irritation.
	Skin contact	Not an anticipated hazard at ambient temperature.
	Ingestion:	Not a probable route of exposure.
	Inhalation:	Not a probable route of exposure under conditions of normal use. Hot fumes or vapors which may form during processing can cause irritation to the respiratory tract.
Toxicology Information	Carcinogenicity: None reported Mutagenicity: None reported Reproductive effects: None reported Teratogenicity: None reported LD50/LC50 data: No test data available	

Additional Information

Note 1. Representative grades were rated non-toxic in a cytotoxicity testing.

Note 2. Representative grades met the requirements of a USP class VI material.

7. PROTECTIVE AND PREVENTIVE MEASURES

Personal Protective Equipment	Eye: Wear safety glasses or chemical goggles Skin: Wear protective gloves when handling elastomer bags or hot material during processing Respiratory: Not normally required at ambient temperature. If processing in area where ventilation is inadequate, wear NIOSH approved organic vapor respirator with mechanical filtration. If processing conditions generate large amounts of dust, wear NIOSH approved respirator for nuisance dust.
Handling Procedures and	Practice good personal hygiene. Avoid eye contact. Avoid inhalation of fumes or

Engineering Controls
Exposure Guidelines

Local exhaust ventilation is recommended during all hot processing operations.
Not established.

8. EMERGENCY AND FIRST AID PROCEDURES

Inhalation	If respiratory irritation occurs, remove affected personnel from the work area. Obtain medical attention if irritation persists or if severe. Implement appropriate controls to prevent further exposures.
Ingestion	Consult a physician if pain or discomfort occurs.
Eyes	Remove dust particles by flushing eye with clean water. Seek medical attention.
Skin	Wash contaminated skin with mild soap and water. Should a burn occur, cool burn area immediately with cool, clean running water until no heat is emitted from burn area. Cover with light, dry dressing. Obtain medical assistance.

9. SPILLS, DISPOSAL, STORAGE GUIDELINES

Spill and Release Information	Repackage uncontaminated elastomer. Reuse or dispose of as noted below if contaminated.
Disposal Information	Reuse if possible. Dispose in accordance with local, state, and federal regulations and applicable environmental regulations. Material as supplied is not characterized as hazardous under RCRA (Resource and Conservation Recovery Act).
Storage	Store at ambient temperature, in dry area and in the absence of direct sunlight.

NOTICE: The information provided herein, presented in good faith, represents the knowledge of the DSM THERMOPLASTIC ELASTOMERS INC. based on the evaluation of current scientific evidence for the components of this product. Users of this material should also make their own investigations including consultation with expert medical and scientific personnel. DSM will continue to evaluate our products updating the information contained in this document as it becomes available.

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