



NexPrene 1000 Series

Information Telephone: 248-391-9500

MSDS Number	Product Name	Issue Date	Revised Date
Nex1000A	NexPrene 1000 Series Products	9/21/00	3/4/03

Product Identification				
Thermoplastic Elastomers (Olefinic) NexPrene [®] 1000 Series				
Components	CAS NO.	PEL	TLV	Weight %
Thermoplastic Rubber	Mixture	N/E	N/E	100%
Carbon Black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³	0-3%
Composition/Ingredients: Propriety alloys or blends. All components of these products are listed under TSCA Chemical Substance published by the U.S. Environmental Protection Agency. The black grades contain carbon black CAS #1333-86-4 with weight percent range of 0% to 3%. Carbon black is considered a nuisance dust hazard by OSHA 29 CFR 1910.1000 subpart Z-1. The carbon black incorporated in the NexPrene [®] TPEs in form delivered is no longer believed to be a nuisance dust hazard.				

Physical & Chemical Data	
Hardness Range:	Shore 35A to Shore 50D
Physical State:	Pellets (solid)
Specific Gravity:	0.94-0.98
Melting Point:	150°C to 170°C (softening)
Solubility in Water:	Insoluble

Hazard Identification	
Stability:	Stable
Flammable Limits:	Non-volatile material
Odor:	Rubber
Hazardous Combustion Products:	Carbon Monoxide, carbon dioxide products from incomplete combustion and various hydrocarbons
Extinguishing Media:	Use water, foam or dry chemical
	<u>Avoid processing temperature over 260°C (500°F)</u>
	<u>Avoid ignition source</u>
CAUTION:	Higher-processing temperature releases vapors, which may cause respiratory tract irritation. When required, use NIOSH approved respiratory protection.
OSHA:	Information provided on hazardous components applies to their pure, dry form. All insoluble dusts can adversely affect the lung when breathed repeatedly over a long period of time. As a pellet, the materials are encapsulated in plastic so their availability to the body is limited or non-existent.
DOT:	Not regulated by U.S. Department of Transportation
TSCA:	All ingredients are on the Chemical Substance Inventory
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.

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Fire Fighting Measures

Protective Equipment: Wear safety glasses and gloves
 Self-Ignition Temperature: Greater than 700°F (371°C)
 Flash Point: Greater than 650°F (343°C)
 Extinguishing Media: Water spray or any Class A extinguishing agent

First Aid

If fumes are inhaled, remove to fresh air space
 If difficulty is experienced in breathing, get medical attention

Handling & Storage

Store at ambient temperatures, dry and in absence of direct sunlight
 Dispose in accordance with local, state and federal regulations. Material as supplied is not characterized as hazardous under RCRA (Resource and Conservation Recovery Act)
 Product is hygroscopic, therefore avoid leaving container open for a long period of time. NexPrene® will pick up small amounts of moisture.

Toxicological & Health Data

LD50/LC50: No test data available
 Carcinogenicity: None reported
 Mutagenicity: None reported
 Reproductive Effect: None reported
 Eye Contact: Not a probable route of exposure
 Inhalation: Not a probable route of exposure under conditions of normal use
 Ingestion: Not a probable route of exposure
 Skin Contact: Not a probable route of exposure
 Note: Good safety and industrial hygiene practices are always recommended

Emergency & First Aid Procedures

Ingestion: Consult a physician if pain or discomfort occurs
 Inhalation: If respiratory irritation occurs, remove affected personnel from the work area. Obtain medical attention if irritation persists or is severe.
 Eyes: Flush eye with clean water
 Skin Contact: If a burn occurs, cool burn area immediately with clean water

Transportation

DOT Label: Not applicable
 DOT Proper Shipping Name: Not applicable
 DOT Hazard Class/I.D. No.: Not applicable
 U.S. Surface Freight Classification: Truck – Rubber, Crude
 Rail – Rubber, Synthetic, Crude

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