



INDUSTRIES 3R

# MATERIAL SAFETY DATA SHEET

## IDENTITY

Part Number: **3R 846**  
 Identity: Black Nitrile rubber  
 Description: Nitrile rubber

## SUPPLIER

Industries 3R inc.  
 55, route 116 Ouest  
 Danville (Québec) J0A 1A0  
 Tel: 819-839-2793  
 Fax: 819-839-2797

<u>HAZARDOUS INGREDIENTS</u>	<u># CAS</u>	<u>%</u>	<u>T.L.V.</u>	<u>LD50</u>
Carbon Black	1333-86-4	1-5	3.5 mg/ m <sup>3</sup>	> 8000 mg/kg (oral-rat)
Crystalline Silica (Quartz)	14808-60-7	0.1 – 1.0	0.05 mg/ m <sup>3</sup>	7950 mg/kg (oral-rat)
Thiram	137-26-8	0.1 – 1.0	1 mg/ m <sup>3</sup>	1080 mg/kg (oral-rat)

## PHYSICAL PROPERTIES

Appearance and odor: Black solid material, rubber odor.  
 Boiling Point (°C): N/A (Not Applicable)  
 Specific Gravity (H<sub>2</sub>O=1) : 1.2 (approx.)  
 Vapor Density (Air=1): N/A  
 Melting Point (°C): N/D (Not Determined)  
 Evaporation Rate: N/A  
 Solubility in Water (%): Insoluble  
 Volatile Matter (% Vol.): N/D  
 Vapor Pressure (mm Hg): N/A  
 pH: N/D

## FIRE AND EXPLOSION HAZARD DATA

Flammable: No  
 Flash Point (°C): N/D  
 Method: N/D  
 Auto-Ignition Temperature (°C): N/D  
 Flammable Limits (% Vol. In air): Lower Limit: N/D Upper Limit: N/D  
 Extinguishing Media:

Water Spray (X)  
 Water Fog ( )  
 Carbon Dioxide ( )  
 Foam (X)  
 Dry Chemical (X)  
 Others( )

**Special fire-fighting procedures:** Wear adequate respiratory protection.

**Unusual fire and explosion hazards:** Fire hazard when exposed to flame. Thermal degradation produces flammable hydrocarbon. Molten product causes burn when in contact with skin. Dense smoke, explosions hazard with the flammable substance released.

**REACTIVITY DATA**

**Stability:** Unstable ( ) Stable (X)

**Conditions to avoid:** N/D

**Hazardous polymerization:** May occur ( ) Will not occur (X)

**Conditions to avoid:** N/D

**Incompatibility (materials to avoid):** None known

Water ( )

Base ( )

Oxidizing agents ( )

Acid ( )

Corrosive ( )

Others ( )

**Hazardous decomposition products:** Can emit oxides of carbon, sulfur and hydrocarbons.

**PREVENTIVE MEASURES**

**Ventilation:** When heated provide adequate ventilation to remove smoke and fumes from work area.

**Respiratory protection:** None required with adequate ventilation.

**Eye protection:** Safety glasses.

**Hand protection:** Gloves.

**Other protective equipment:** None.

**Handling:** Practice good personal hygiene.

**Storage:** Store in a dry and fresh place.

**SPILL OR LEAK PROCEDURES**

**Steps to be taken if material is released or spilled:** Reuse material or dispose.

**Waste disposal method:** Follow local, provincial and federal regulations. Recycle if possible.

**HEALTH HAZARD DATA**

**Absorption route:** Skin (X) Eyes (X)  
Inhalation (X) Ingestion ( )

**Effects or overexposure:** The solid ingredients listed in *section Hazardous ingredients* are incorporated into the product and will not be released. They are provided for information. No acute effect expected.

**Skin:** Contact not expected to be harmful.

**Eyes:** Not expected to be harmful.

**Inhalation:** Not expected to be harmful.

**Ingestion:** N/A

**FIRST AID PROCEDURES**

**Skin:** Wash with soap and water.

**Eyes:** Flush with water and remove the dirt particles.

**Inhalation:** Move the person to fresh air, give artificial respiration if necessary.

**Ingestion:** Call a physician.

**DISCLAIMER**

The information, details, dimensions and values indicated are to our best knowledge. We recommend testing according to local conditions. The specifications are subject to change without notice.