



Bead Brite Research

4811 Lyons Tech Pkwy

Coconut Creek, FL 33073

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Material Safety Data Sheet

1. Product and Manufacturer Identification

Product Name: XR200
Trade Name: Black Rubber
Product Description: Cured, Nitrile Rubber

Office address: 4811 Lyons Tech Pkwy
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USA

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2. Product Identification

Name: Cured, Nitrile Rubber	<u>H M I S</u>	<u>Hazard Codes</u>
	Health	1 slight
	Flammability	1 slight
	Reactivity	1 slight
Personal Protective Equipment		X

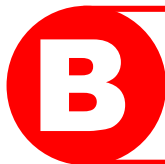
3. Ingredients

Ingredient Material Description	CAS #	Approximate Percent	ACGIH (TLV)	OSHA (PEL)
Carbon Black	1333-86-4	29	3.5 mg/m3	3.5 mg/m3
DI-2-Ethylhexyl Phthalate	117-81-7	7	5 mg/m3	5 mg/m3
Zinc Oxide*	1314-13-2	1	15 mg/m3	10 mg/m3
Nitrile Rubber	N/A	41	N/A	N/A
Filler	N/A	22	N/A	N/A

4. Physical Data

Boiling Point:	N/A	Freezing Point:	N/A deg F
Vapor Pressure:	N/A	Vapor Density:	N/A
Specific Gravity:	1.25	H2O Soluble:	Insoluble
Bulk Density:	N/A	% Volatile by Volume:	N/A

Appearance and Odor: Uncured black rubber, Characteristic Odor



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5. Fire and Explosion Hazard Data

Flash Point: N/A

Explosive Limits:

LEL	UEL	(% in air)
N/A	N/A	N/A

Flammability Classification: OSHA: N/A DOT: Not regulated for Flammability

Extinguishing Media: Water, all purpose (ABC) dry chemical, CO₂, Foam

Special Firefighting Procedures: During emergency conditions overexposure to thermal decomposition may present a health hazard. An approved, self-contained breathing apparatus (SCBA) should be worn.

Unusual Fire and Explosion Hazard: Product does not present explosion hazard.

6. Health Hazard Data

Routes of Entry: Inhalation? (*) Skin () Ingestion ()

- During hot processing e.g. extruding, curing, milling, ect

Health Hazards

Acute: None known or expected. The ingredients bound to rubber so inhalation exposure during handling is not a problem. Exposure to volatiles released during hot processing such as curing may cause respiratory, nose or eye irritation in some people.

Chronic: Long term inhalation exposure to concentrated hot processing fumes may reduce lung function and cause chronic bronchitis.

Carcinogenicity: Di-2-Ethylhexyl Phthalate has produced cancer in an animal feeding Study. Hot processing fumes might contain small amounts of Di-2-EHP.

7. Emergency and First Aide Procedures

Inhalation: Not expected to be compound-related effect. Remove to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. If breathing difficult, give oxygen. Call a physician at once.

Skin: Compound-related not expected to require first aide. If any irritation developes or persists, see a physician.

Ingestion: Compound-related effects not expected. If ingested, treat symptoms.

8. Physical Hazards

If ingested by excessive heat or open flame, the product will burn



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9. Control Measures

Respiratory: Under normal conditions of use, respiratory protection should not be required.

Ventilation: If heated, provide adequate ventilation to remove smoke and fume from the work area.

Eye Protection: N/A

Protective Gloves: N/A

Other: Practice good personal hygiene

10. Chemical Reactivity

Stable: Yes

Incompatibility: No known materials to avoid

Hazardous Decomposition Products: Oxides of carbon, normal hydrocarbons

Special Sensitivity: None

11. Storage Information

Precautions in Handling: None related to handling and storage

12. Spill, Leak and Disposal Information

Steps in case of spill: Pick up or sweep up material and place in suitable container for disposal.

EPA #: N/A

Waste disposal Method: Incinerate, treat or landfill in accordance with applicable environmental control regulations. Recycle if possible.



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13. Shipping Information

DOT Shipping Name: N/A

Freight Description: Ground Cured Nitrile Rubber

DOT Hazard Classification: Primary: N/A Secondary: N/A

On Number: N/A IMO Hazard Class: N/A

DOT Labels Required: N/A

OTHER GOVERNMENT REGULATIONS

The components of this mixture are included in the US EPA Toxic Substances Control Act ("Chemical Substances Inventory")

To determine if a SARA S-313 Toxic Chemical is present, review the specific formulation and compare it to the toxic chemical list.

Additional Comments

This material is not considered hazardous under the OSHA Hazard Communication Standard CFR Title 29, Part 1910.1200 or the WHMIS Canadian legislation.

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