

1. Identification

Material Name: Masterbatch 1840
 Synonyms: Styrene-Butadiene Rubber, Oil Extended Carbon Black Masterbatch.
 Product Use: General purpose staining rubber articles and rubber modified articles requiring excellent physical properties and abrasion characteristics including tires and molded or extruded mechanical goods.
 Supplier: Copolymer Rubber & Chemical Corp.
 5900 Idyllic Drive
 Stick Red, LA 70805
 Emergency: For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), call CHEMTREC at 800-123-4567 (Domestic) or 888-123-4567 (International) Call Collect. For ALL other inquiries about this product, call (225) 555-1234


2. Hazard Identification

Warning! May cause an allergic skin reaction.

GHS Classification:

Health	Environmental	Physical
Skin Sensitizer Category 1	Not Classified	Not Classified

GHS Label:

	
Symbols:	
<p>Hazard Statements: Warning! May cause an allergic skin reaction.</p>	<p>Precautionary Statements: Avoid breathing vapors. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves, clothing, eye protection and face protection.</p>

3. Composition / Information on Ingredients

Substance	CAS #	EINECS #	Wt. %
Styrene-Butadiene copolymer	9003-55-8	NA (polymer)	35 - 45
Carbon Black	1333-86-4	215-609-9	32 - 36
Heavy Hydrotreated Naphthenic Distillate (Note L)	64742-52-5	265-155-0	17-23
Disproportionated Rosin	8050-09-7	232-475-7	0.5 - 2
Fatty Acid	67701-06-8	266-930-6	0 - 3
Stabilizer (Trade Secret)			0.3 - 1.0

Note L: The Supplier reports that this component is classified non-carcinogenic. See Section 8 for exposure limits.

4. First Aid Measures

Inhalation: If fumes/vapors are inhaled, remove person to fresh air and ensure comfortable breathing. Get medical attention if irritation persists.

Skin Contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eye Contact: Get medical attention if eye irritation persists.

Ingestion: Unlikely to occur. Get medical attention if irritation persists.

Note to physician: Treat symptomatically.

5. Fire Fighting Measures

Suitable Extinguishing media: Use water/foam, carbon dioxide, ABC fire extinguisher powder; water fog should be used to cool surrounding fire-exposed containers, structures and to protect personnel.

Unsuitable Extinguishing media: No restrictions.

Special exposure hazards: None identified. This material burns slowly with high smoke density.

Combustion products: May produce toxic carbon monoxide and incomplete combustion products if burning.

Protection of firefighters: Fire fighters should wear full protective clothing including self-contained breathing apparatus. Keep personnel removed and upwind of fire. Do not inhale combustion gases.

NFPA Hazard Classification: Health: 2 Flammability: 1 Instability: 0 Special: --

This information is intended solely for the use of individuals trained in the NFPA system.

6. Accidental Release Measures

Personal precautions: Use suitable protective equipment (see section 8) to prevent contamination of skin, eyes and personal clothing. Provide sufficient ventilation.

Methods for cleanup: Collect spilled material and reuse if possible. Collect material in containers and dispose in accordance with applicable regulations and product characteristics at time of disposal (see also Section 13).

7. Handling and Storage

Handling: When using do not eat, drink or smoke. Avoid inhalation of fumes/vapors from hot rubbers, compounds and vulcanizates. Wear gloves and wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

Storage: Store in a clean, dry, dark area to maintain product quality. Keep in original containers or use black covers to protect from artificial or natural light. Outdoor storage should be avoided; the preferred storage temperature is 15-25°C.

8. Exposure Controls / Personal Protection

Exposure Limits: Not defined for this material. Rosin and stabilizer fumes from hot product are sensitizers. This product is unlikely to generate dust or mist.

Engineering controls: A ventilation system should be installed where processing at high temperatures and vulcanization is carried out and where bales are being ground or machined. Local exhaust ventilation is recommended during all hot processing operations.

Personal protection: General: General hygiene considerations are appropriate when used as recommended. The following precautions are recognized as common good industrial hygiene practice. Emergency conditions may require additional precautions. Follow precautions listed and recommendations for personal protective equipment.

Eye: Wear eye and face protection. Have eye-wash stations available where eye contact can occur.

Skin: Wear rubber gloves. Avoid contact with eyes and skin and wash thoroughly after handling and before eating or drinking. A safety shower should be located in the work area.

Respiratory: Not normally required at ambient temperatures. Avoid inhalation of fumes/vapors from hot rubbers, compounds and vulcanizes. NIOSH approved respiratory protection should be worn if exposure limits are exceeded. A NIOSH approved respirator is generally acceptable for concentrations up to 10 times the PEL. Use a NIOSH approved air-supplied respirator for higher concentrations, unknown concentrations and for oxygen deficient atmospheres. Use only outdoors or in a well-ventilated area. Engineering controls are the preferred means for controlling chemical exposures. In case of inadequate ventilation wear respiratory protection. Respiratory protection may be needed for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.

Thermal: Wear heat resistant gloves, arm protection and face shield when working with hot compounds.

9. Physical and Chemical Properties

Appearance:	Black solid with gray bale coating
Odor:	Odorless to weak aromatic.
Odor threshold:	Not available
pH:	Not available
Melting/ Freezing point/ range:	Not available
Initial Boiling point/ range:	Not available
Flash Point:	> 218°C
Evaporation rate:	Not available
Flammability (solid, gas):	No, but will burn if ignited
Upper/ lower flammability or explosive limits:	Not explosive
Vapor pressure, mm Hg:	Not available
Vapor density:	Not available
Relative density:	1.10 – 1.15
Solubility in water:	Insoluble
Solubility in fats/ oils:	Negligible
Partition Coefficient (n-octanol-water):	Not available
Autoignition temperature:	>210°C, >410°F
Decomposition temperature:	>300°C
Viscosity:	Not available

10. Stability and Reactivity

Chemical Stability:	Product is stable at ambient temperature and pressure. Stabilizers have been added to preserve product quality.
Hazardous Reactions:	Will not occur
Conditions to Avoid:	Strong oxidizers, heat and ignition sources. High temperature will cause thermal decomposition.
Incompatible Materials:	Strong oxidizers.
Hazardous Decomposition Products	Stable, emits irritating smoke when heated to decomposition.

11. Toxicological Information

Acute toxicity:	Acute Toxicity Estimate: Rat oral LD50 >5 g/Kg
Skin corrosion / irritation:	Rosin and stabilizer fumes from hot product are irritants.
Serious eye damage/ irritation	Rosin and stabilizer fumes from hot product are irritants.
Respiratory or skin sensitization:	Contains disproportionated rosin acid and stabilizers. May produce an allergic reaction.
Germ cell mutagenicity:	Not available
Carcinogenicity:	Carbon Black: NTP: Not Listed; IARC 2B: Possibly carcinogenic to humans

(mechanism not relevant to humans).
Reproductive toxicity: Not available
STOT–single exposure: Not available
STOT-repeated exposure: May cause sensitization by inhalation and skin contact.
Aspiration hazard: None.
Other Information: Most likely exposure route is skin contact.

12. Ecological Information

Toxicity: Acute Toxicity Estimate: D. magna LC50 >100 mg/L/48h
Persistence and degradability: Not available
Bioaccumulative potential: Not available
Mobility in soil: Not available
Other adverse effects: Not available

13. Disposal Considerations

Disposal methods: Reuse if possible. Dispose of contaminated materials in accordance with applicable regulations. Consider incineration.

14. Transport Information

Not regulated as hazardous.
Environmental Hazards: Not a DOT listed marine pollutant.

15. Regulatory Information

No components are subject to Montreal Protocol, Stockholm Convention, or Rotterdam Convention.

Region specific regulations

SARA Title III:

Section 302/304. Extremely Hazardous Substances - None.

Section 311/312. (40CFR370) Hazardous Categories: Acute

Section 313: This product is not subject to reporting requirements.

The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations
Carbon Black	1333-86-4	NJ, MA, ME, PA

TSCA (Toxic Substance Control Act): Listed.

FDA: Product may be used in compliance with 21 CFR 177.2600, 'Rubber Articles Intended for Repeated Use'..

CA65: Mineral oils and unbound, respirable carbon black are known to the State of California to cause cancer or reproductive toxicity.

16. Other Information

None of the materials referenced herein should be used and/or applied in any product, device or material used or for use as human body implant or otherwise within the human body.

The information contained herein is accurate to the best of our knowledge. The Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

Revision History:

Date Prepared: 09/09/2018, Revised to GHS requirements.

By: Charles Leonard, CIH, ASLAN Group LLC

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