

SAFETY INSTRUCTION SHEET

According to 1907/2006/EC (REACH), Annex II
Emulsion Type

Section 1. Identification

GHS product identifier	: E1847K
Chemical name	: Styrene-Butadiene Rubber
Chemical family	: SBR Rubber
Product type	: Styrene-Butadiene Rubber
Identified uses	: Especially for operations where fast, smooth extrusions are necessary, this masterbatch gives compounds with excellent extrusion characteristics and tread wear.
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Section 2. Hazards identification

OSHA/HCS status	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this document contains valuable information critical to the safe handling and proper use of the product. This document should be retained and available for employees and other users of this product.
Classification of the substance or mixture	: Not classified
GHS label elements	
Signal word	: No signal word
Hazard statements	: No known significant effects or critical hazards

Precautionary statements

Prevention	: Not applicable
Response	: Not applicable
Storage	: Not applicable
Disposal	: Not applicable
Hazards not otherwise classified	: None known

Section 3. Composition/information on ingredients

Chemical name	: Styrene- Butadiene Rubber (43%)
Other means of identification	: SBR Rubber

CAS number/other identifiers

CAS number	: 9003-55-8
Product code	: Not available

Chemical name	: Aromatic oil (23%)
Other means of identification	: Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent

CAS number/other identifiers

CAS number	: 68783-04-0
Product code	: Not available

Chemical name	: Carbon Black (34%)
Other means of identification	: Furnace black

CAS number/other identifiers

CAS number	: 1333-86-4
Product code	: Not available

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are not ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. The product does not contain impurities or additives that could affect product's labelling and classification according to Regulation (EC) No 67/548/EEC and Regulation (EC) No 1272/2008 (CLP) in the concentration ranges specified.

Occupational exposure limits, if available, are listed in section 8.

Section 4. First aid measures**Description of necessary first aid measures**

Eye contact : In case of irritation, wash with copious volumes of water until irritation disappears. Seek medical advice, if necessary.

Inhalation : In case of asphyxia or a feeling of illness, after accidental exposure to fumes, which can be formed at high temperatures, remove the affected person into fresh air. Keep the victim at rest and in warm. If victim experiences breathing difficulties or loss of consciousness, give artificial respiration. Seek medical advice immediately.

Skin contact : In case of burns caused by molten material, treat the affected part with running cold water (by spraying or immersion, for instance). No attempt should be made to detach polymer adhering to the skin or remove clothing stained with molten material. Cover the burnt areas with a cotton compress or sterilized gauze compresses. Seek medical advice immediately.

Ingestion : Seek medical advice.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effect or critical hazards
Inhalation : No known significant effect or critical hazards
Skin contact : No known significant effect or critical hazards
Ingestion : No known significant effect or critical hazards

Over-exposure sings/symptoms

Eye contact : No known significant effect or critical hazards
Inhalation : No known significant effect or critical hazards
Skin contact : No known significant effect or critical hazards
Ingestion : No known significant effect or critical hazards

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically
Specifics treatments : No specific treatment
Protection of first-aiders : No special protection is required

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : For minor fires, carbon dioxide or dry chemical powder. For large fires, foam & AFFF or water sprays (fog).

Unsuitable extinguishing media : Do not use water jets (stick jets) in the early stages of extinguishing fire since they could help to spread the flames.

Specific hazards arising from the chemical : No specific fire or explosion hazard

Hazardous thermal decomposition products : On combustion or when overheated forms Carbon dioxide, carbon monoxide and cracking products, hydrocarbons.

Special protective actions for fire-fighters : No special measures are required

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Put on appropriate personal protective equipment

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also de information "For non-emergency personnel"

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Methods of materials for containment and cleaning up

Spill

: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined area. Vacuum or sweep up material and place in a designed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8)

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and faces before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully released and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

: None

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants

Environmental exposure controls

: Emission from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location

Eye/face protection

: Safety eyewear complying with and approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts

Skin protection

Partition coefficient: n-octanol/water	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Not available
Volatility	: Not available
Hand protection	: Chemical-resistant, impervious gloves complying with and approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling this product
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performance and the risk involved and should be approved by a specialist before handling this product
Respiratory protection	: Use a properly fitted, particulate filter respirator complying with and approve standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the products and the safe working limits of the selected respirator

Section 9. Physical and chemical properties

Appearance

Physical state	: Solid [Bale]
Color	: Yellowish
Odor	: Odorless
Odor threshold	: Not available
pH	: Not available
Melting point	: Not available
Boiling point	: Not applicable
Flash point	: Not available
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not available
Lower and upper explosive (flammable) limits	: Not available
Vapor pressure	: Does not evaporate
Vapor density	: Not available
Relative density	: Not available
Solubility	: Not available

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients
Chemical stability	: This product is stable

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur

Conditions to avoid : No specific data

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials and reducing materials

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition product should be not produced

Section 11. Toxicological information

Information on toxicological effects

None toxicity on animals is registered, so the Butadiene – Styrene copolymer is regarded as biologically inert.

Acute toxicity

There is not data available

Irritation/corrosion

There is not data available

Sensitization

There is not data available

Carcinogenicity

Classification

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
-	-	-	-	-	-	-

Specific target organ toxicity (single exposure)

There is not data available

Specific target organ toxicity (repeated exposure)

There is not data available

Aspiration hazard

There is not data available

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion

Potential acute health effects

Eye contact : No known significant effects or critical hazards

Inhalation : No known significant effects or critical hazards

Skin contact : No known significant effects or critical hazards

Ingestion : No known significant effects or critical hazards

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No known significant effects or critical hazards

Inhalation : No known significant effects or critical hazards

Skin contact : No known significant effects or critical hazards
Ingestion : No known significant effects or critical hazards

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards
Potential delayed effects : No known significant effects or critical hazards

Long term exposure

Potential immediate effects : No known significant effects or critical hazards
Potential delayed effects : No known significant effects or critical hazards

Potential chronic health effects

General : No known significant effects or critical hazards
Carcinogenicity : No known significant effects or critical hazards
Mutagenicity : No known significant effects or critical hazards
Teratogenicity : No known significant effects or critical hazards
Developmental effects : No known significant effects or critical hazards
Fertility effects : No known significant effects or critical hazards

Numerical measures of toxicity

Acute toxicity estimates

There is no data available

Section 12. Ecological information

Toxicity

There is no data available

Persistence and degradability

There is no data available

Bioaccumulative potential

Chemicals are not readily available as they are bound within the matrix of the polymer.

Mobility in soil

Soil/water partition coefficient(k_{oc}) : There is no data available
Other adverse effects : No known significant effects or critical hazards

Section 13. Disposal considerations

Disposal methods

: Recycle, if possible. The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No	No	No
Additional information	-	-	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available

Section 15. Regulatory information

U.S. Federal regulation : **TSCA 8(a) CDR Exempt/partial exemption:** All components are listed or exempted. **United States inventory (TSCA 8b):** All components are listed or exempted

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substance : Not listed

Clean Air Act Section 602 Class II Substance : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found

SARA 304 RQ : Not applicable

SARA 311/312

Classification : Not applicable

Massachusetts	: None of the components are listed
New York	: None of the components are listed
New Jersey	: The following components are listed: Ethene, chloro-, homopolymer
Pennsylvania	: None of the components are listed
California Prop. 65	

No products were found

Section 16. Other information

History

Date of issue mm/dd/yyyy	: 05/13/2015
Version	: 1
Prepared by	: Industrias Negromex, S. A. de C. V.
Key to abbreviations	: ATE=Acute Toxicity Estimate BVF=Bioconcentration Factor GHS=Globally Harmonized System of Classification and Labelling of Chemicals IATA=International Air Transport Association IBC=International Bulk Container IMDG=International Maritime Dangerous Goods LogPow=logarithm of the octanol/water partition coefficient MARPOL 73/78=International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol"=marine pollution)

DISCLAIMER

This product is a polymer and is not classified as dangerous under criteria of Directives No 67/458/EEC, No 1999/45/EC and Regulation (EC) No 1272/2008 (Regulation CLP). This polymer does not contain substances classified as dangerous under Article 59.2 Regulation (EC) No 1272/2008, namely:

- In an individual concentration of ≥ 1 % by weight for non-gaseous mixtures posing human health or environmental; or
- In an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures that is carcinogenic category 2 or toxic to reproduction category 1A, 1B and 2, skin sensitiser category 1, respiratory sensitiser category 1, or has effects on or via lactation or is persistent, bioaccumulative and toxic (PBT) in accordance with the criteria set out in Annex XIII or very persistent and very bioaccumulative (vPvB) in accordance with the criteria set out in Annex XIII; or
- A substance for which there are Community workplace exposure limits.

In accordance with mentioned above, this product does not require and official e-SDS as per Regulations (EC) No 1907/2006 (articles 31.1; 31.2) and Commission Regulation (EU) No 453/2010.

This document is developed in good faith to provide a customer with sufficient information allowing to take necessary measures to comply with relevant HSE requirements.