

MATERIAL SAFETY DATA SHEET

Distributor

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Product identification

Product name: THERMOPLASTIC ELASTOMER
SIS/SBS/SEBS
CAS NO. 25038-32-8/9003-55-8/91261-65-3
Synonyms: linear styrene-isoprene-styrene block
copolymer, styrene-butadiene-styrene block copolymer,
Hydrogenated styrene-butadiene-styrene copolymer
Formula: (C₈H₈.C₅H₈)_x, (C₈H₈.C₄H₆)_x
Molecular weight: unspecified

Composition/information on ingredients

styrene-isoprene-styrene block copolymer,
styrene-butadiene-styrene block copolymer
Hydrogenated styrene-butadiene-styrene copolymer

Hazards identification

Based on available information and experience, these
compounds are not hazardous when handled with the
normal precautions employed when processing
thermoplastics. Incorrect processing or fire may result in
thermal decomposition and the evolution of toxic and
potentially irritating fumes.
Health hazards (acute & chronic): not likely to cause any
significant acute or chronic effect.

First aid measures

Eyes: immediately flush with copious amounts of water
for at least 15 min.
Skin: immediately wash with soap and copious amounts
of water.
Contact with hot melt will burn, Cool the affected area
with clean water.
Inhalation irritating fumes: remove to fresh air. If not
breathing, give artificial respiration. If breathing is difficult,
give oxygen.

Fire fighting measures

Not classified as flammable but will burn. Hazardous
decomposition products may include carbon monoxide
and carbon dioxide.
Extinguishing media: water spray, dry chemical, carbon
dioxide, foam.
Fire fighting procedures: fire fighters should wear self-
contained breathing apparatus and protective equipment.
Use water spray to cool fire-exposed surfaces.
Fire/explosion hazard: potential for dust explosions.

Accidental release measures

Spill release procedures: Sweep up, place in a bag and
hold for waste disposal. Avoid raising dust. Ventilate
area and wash spill site after material pickup is
complete.

Handling and storage

Handling and storage precautions: avoid contact with
eyes, skin and clothing. Avoid prolonged or repeated
exposure. Avoid inhalation. Keep tightly closed. Store
away from heat.

Exposure controls/Personal protection

Respiratory protection: NIOSH/MSHA-approved
respirator.
Ventilation: mechanical exhaust required.
Protective gloves: compatible chemical-resistant gloves.
Eye protection: chemical safety glasses.
Other protective equipment: safety shower and eye bath.
Work hygienic practices: wash hands thoroughly after
handling.
Supplemental safety and health: handle in a well
ventilated area.

Physical and chemical properties

Appearance & color: white or light color porous granular
Tensile strength (MPa): 6/8/15 min.
Melt flow rate (g/10minutes): 6 - 17/0.1 - 5
Volatility (mass fraction): 0.7%/0.7%/1% max.
Shore hardness (A): 30 - 50/68/68

Stability and reactivity data

Stability : stable. avoid open flames, high temperature,
electric arc.

Toxicological information

Not irritating to eye or skin. Not skin sensitiser.
No inhalation risk below 400°C.
Oral: not determined. We believe that this product has a
low order of toxicity.

Ecological information

Not biodegradable.
No known Bio accumulation.
Not toxic at level of water solubility, however small
particles may have physical effects on aquatic and
terrestrial organisms.

Disposal considerations

Waste disposal methods: Disposed by controlled
incineration or by dumping in an approved land field area
according to local regulations. Observe all federal, state,
and local regulations.

Transport Information

Non-hazardous for air, sea and road freight.

Regulatory Information

Unspecified.

Disclaimer

The information provided on this MSDS is correct to the
best of our knowledge, information and belief at the date
of its publication. The information given is designed only
as a guidance for safe handling, use processing, storage,
transportation, disposal and release and is not to be
considered a warranty or quality specification. The
information relates only to the specific material
designated and may not be valid for such material used
in combination with any other materials or in any process,
unless specified in the text.