

MATERIAL SAFETY DATA SHEET

SEETEC SB 1502

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUBSTANCE:	Styrene-butadiene Rubber		
MSDS NO:	HPC - 773		
COMPANY IDENTIFICATION			
COMPANY:	Hyundai Petrochemical Co., LTD.		
ADDRESS:	679, DAEJUK-RI, DAESAN-UP, SEOSAN-CITY, CHUNGCHONGNAM-DO, KOREA		
EMERGENCY TELEPHONE NO	82-041-661-1869		
PLANT:	Synthetic Rubber production	CAS NUMBER:	9003-55-8
CREATION DATE:	01/08/03	REVISION NUM':	0

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT:	Styrene-butadiene
TRADE NAMES/ SYNONYMS:	SEETEC SB 1502 / SBR
CHEMICAL FAMILY:	NE
CAS NUMBER:	NE
PERCENTAGE (%):	NE

SECTION 3 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4)

HEALTH	FIRE	REACTIVITY
1	1	0

Hazard Rating: 0=Insignificant, 1=Slight, 2=Moderate, 3=High, 4=Extreme

EMERGENCY OVERVIEW: If ignited by excessive heat or open flame, the product will burn

CHANGE IN APPEARANCE: Solid

COLOR: Light tan

PHYSICAL FORM: Flammable polymer

ODOR: NA

MAJOR HEALTH HAZARDS: NE

POTENTIAL HEALTH EFFECTS

INHALATION: NE

SHORT TERM EFFECTS: NE

LONG TERM EFFECTS: NE

SKIN CONTACT:

SHORT TERM EFFECTS: No known effects. This material is a high molecular weight polymer.

LONG TERM EFFECTS: None known

EYE CONTACT:
SHORT TERM EFFECTS: NE
LONG TERM EFFECTS: NE

INGESTION:
SHORT TERM EFFECTS: NE
LONG TERM EFFECTS: NE

CARCINOGEN STATUS:
OSHA: NE
NTP: NE
IARC: NE

NA: Not Applicable NE: Not Established

SECTION 4 FIRST AID MEASURES

GENERAL FIRST AID: No procedures are expected to be required for this material.

INHALATION: NE

SKIN CONTACT: NE

EYE CONTACT: NE

INGESTION: NE

NOTE TO PHYSICIAN: NE

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT:NA

AUTOIGNITION: NE

LOWER FLAMMABLE LIMIT:NA

UPPER FLAMMABLE LIMIT:NA

FLAMMABILITY CLASS (OSHA): NE

EXTINGUISHING MEDIA: Water, dry chemical, CO2, form.

FIREFIGHTING: During emergency conditions, overexposure to thermal decomposition products may cause a health hazard. An approved self-contained breathing apparatus should be worn.

HAZARDOUS COMBUSTION PRODUCTS: When exposed to flame, emits acrid fumes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL: Sweep, shovel or vacuum into container for disposal or use.

SECTION 7 HANDLING AND STORAGE

Keep away from excessive heat or open flame.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: NE

VENTILATION: If heated provide adequate ventilation in order to remove smoke and fume from the work area.

EYE PROTECTION: Safety glasses

CLOTHING: NE

GLOVES: NE

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

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION:	Styrene-butadiene Rubber	
PHYSICAL STATE:	Bale	
ODOR	NA	
COLOR:	Light tan	
MOLECULAR WEIGHT	NE	
MOLECULAR FORMULA:	NE	
BOILING POINT:	NA	
FREEZING POINT:	NE	
VAPOR PRESSURE	NA	
VAPOR DENSITY (air=1):	NA	
SPECIFIC GRAVITY (water=1):	NE	
WATER SOLUBILITY:	Insoluble	
p H :	NE	
SOLVENT SOLUBILITY:	NE	
VOLATILITY:	0.5 max. %	
SPECIFIC GRAVITY	0.91	
VAPOR DENSITY	NA	
ODOR THRESHOLD:	NE	
EVAPORATION RATE:	NE	
VISCOSITY:	NE	
COEFFICIENT OF WATER/OIL DISTRIBUTION:	NE	
SOLVENT SOLUBILITY:	NE	

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: NE

CONDITIONS TO AVOID: Material is stable

INCOMPATIBILITIES: NE

ETHERS: NE

HAZARDOUS DECOMPOSITION: Carbon monoxide and carbon dioxide.

POLYMERIZATION: NE

SECTION 11 TOXICOLOGICAL INFORMATION

IRRITATION DATA: NE

TOXICITY DATA: NE

CARCINOGEN STATUS: NE

ACUTE TOXICITY LEVEL: NE

TARGET EFFECTS: NE

REPRODUCTIVE EFFECTS DATA: NE

ECOTOXICITY DATA: NE

FISH TOXICITY: NE

INVERTEBRATE TOXICITY: NE

AT INCREASED RISK FROM EXPOSURE: NE

ALGAL TOXICITY: NE

FATE AND TRANSPORT: NE

ENVIRONMENTAL SUMMARY: NE

HEALTH EFFECTS: NE

INHALATION: NE

NARCOTIC.

ACUTE EXPOSURE: NE

CHRONIC EXPOSURE: NE

SKIN CONTACT:

ACUTE EXPOSURE: NE

CHRONIC EXPOSURE: NE

EYE CONTACT:

ACUTE EXPOSURE: NE

CHRONIC EXPOSURE: NE

INGESTION:

ACUTE EXPOSURE: NE

CHRONIC EXPOSURE: NE

SECTION 12 ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING (0-4): NE
ACUTE AQUATIC TOXICITY: NE
DEGRADABILITY: NE
LOG BIOCONCENTRATION FACTOR (BCF): NE
LOG OCTANOL/WATER PARTITION COEFFICIENT: NE

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORT INFORMATION

United State: NE
Basic description: NA
Freight description: Rubber, Synthetic, Crude
Primary hazard class: None
Subsidiary hazard class: None
Labels required: None
Reportable quantity: NA

SECTION 15 REGULATORY INFORMATION

The material is included in the US EPA Toxic Substance Control Act (TSCA) "Chemical Substance Inventory". This product does not contain a SARA S-313 Toxic chemical above the de minimis thresholds. The indicated material is subject to a final TSCA Rule-Section 4A,12B &13.

SECTION 16 OTHER INFORMATION

Not a hazardous chemical as defined by the OSHA Hazard Communication Standard CFR Title 29 part 1910.1200 and the WHMIS Canadian legislation.