



Safety Data Sheet

Section 1. Material/Company Identification

Product Name

Solution polymerized styrene butadiene rubber (SSBR) .

BALING SSBR YH Series Products:(This SDS covers all alphanumeric suffixes for the following products):

YH-2601、YH-2602、YH-2603、YH-2605、YH-2607、YH-2609、YH-2563-4、YH-2563-6、YH-2563-6L、YH-3343-6、YH-3343-6、YH-3543-5、YH-2060-7、YH2552-6、YH-3543-2、YH-1601、YH1602、YH-1603.

Product Family

Solution polymerized styrene butadiene rubber

Manufacturer

Synthetic Rubber Division,Sinopec Assets Management Corporation Baling

Petrochemical Yun Xi District, Yue Yang, Hu Nan Province, China

Emergency telephone number: +86-730-8499208

Intended use

Automobile tire Shoemaking Plastics modification

Section 2. Hazards Identification

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.

Other hazards which do not result in classification : Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture :mixture

Other means of identification: SSBR

Product definition: Copolymer consisting of Solution polymerized styrene butadiene rubber (SSBR) CAS No:9003-55-8 , mixture of Copolymer consisting of Solution polymerized styrene butadiene rubber (SSBR) CAS No:9003-55-8 and mineral oil.

CAS number/other identifiers

CAS number: not applicable.

There are no 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.

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

Section 4. First Aid Measures

Description of necessary first aid measures

Eye contact :Get medical attention if irritation occurs.

Skin contact : Get medical attention if irritation develops

Most important symptoms/effects,acute and delayed

Potential acute health effects.

Eye contact :NO known significant effects or critical hazards.

Inhalation: NO known significant effects or critical hazards.

Skin contact :Defatting to skin.May cause skin dryness.

Ingestion : NO known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact :No specific data.

Inhalation: No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed,if

necessary

Specific treatments : No specific treatment

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information(Section 11)

Section 5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

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

Specific Hazards: Not flammable, but in case of fire, high heat will burn . Combustion products may include carbon monoxide and carbon dioxide.

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective quipment 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 : No special measures required.

Environmental Precautions: No special measures required

Methods and materials for containment and cleaning up

Small spill : Shovel up and place in a labeled, sealable container for subsequent disposal as required by local, state, federal, international or country specific regulations.

Large spill : Transfer to a labeled, sealable container for product recovery or disposal as required by local, state, federal, international or country specific regulations.

Protective Measures

Wear appropriate personal protective equipment (refer to Section 8) when responding

to spills.

Spill Management

Shovel and sweep up or use industrial vacuum cleaner. Proper disposal should be evaluated based on the regulations of this material (refer to Section 13). Prevent entry into waterways, sewer, or confined areas.

Section 7. Handling and Storage

Precautions for safe handling: Provided good ventilation and/or local exhaust systems are used, the Occupational Exposure Limit(s) stated in Chapter 8 should not be exceeded.

Avoid inhaling vapours. Avoid inhaling dust. Grease skin. Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. When using do not eat, drink or smoke.

Conditions for safe storage : Do not store above the following temperature: 35 °C (95 °F). Store in a dry place.

ncluding any incompatibilities

Remarks: Keep away from direct sunlight or strong incandescent light.

Section 8. Exposure Controls/Personal Protection

Control parameters

The regulations for the substances listed below must be observed when processing this product, particularly if processing takes place at elevated temperatures. In our experience the provision of effective fresh-air and exhaust ventilation equipment at the points where vapors may be generated will ensure compliance with the tolerance limits quoted below.

Occupational exposure limits

Ingredient name	Exposure limits
China	
1,3-Butadiene	GBZ-2 (China, 4/2007).
	PC-TWA: 5 mg/m ³ 8 hours.
Styrene	GBZ-2 (China, 4/2007). Absorbed through
	skin.

	PC-TWA: 50 mg/m ³ 8 hours.
	PC-STEL: 100 mg/m ³ 15 minutes.
Hong Kong	
Distillates, petroleum, solvent-refined heavy paraffinic	Labour Department, OS&H Branch (Hong Kong, 4/2002).
	STEL: 10 mg/m ³ 15 minutes.
	TWA: 5 mg/m ³ 8 hours.
1,3-Butadiene	Labour Department, OS&H Branch (Hong Kong, 4/2002).
	TWA: 4,4 mg/m ³ 8 hours.
	TWA: 2 ppm 8 hours.
Styrene	Labour Department, OS&H Branch (Hong Kong, 4/2002).
	STEL: 170 mg/m ³ 15 minutes.
	STEL: 40 ppm 15 minutes.
	TWA: 85 mg/m ³ 8 hours.
	TWA: 20 ppm 8 hours.

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce

emissions to acceptable levels.

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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye protection : Protective goggles with side shield or tightly fitting protective goggles

Skin protection

Hand protection : Protective gloves of leather, contaminated or damaged gloves should be replaced.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Skin covering working clothes; wear dust-proof overalls if large quantities of dust are generated.

Respiratory protection : Where local exhaust ventilation is not practicable and odors are detected use a negative pressure half face respirator equipped with a cartridge designed to protect against organic vapors and if dust is also present a particulate pre-filter should also be used. For high airborne dust concentrations use a cartridge designed to be used against nuisance dust.

Section 9. Physical and Chemical Properties

Appearance

Physical state	: Solid. [rubber bales]
Colour	: White or Brown.
Odour	: Faint odour.
Odour threshold	: Not available.
PH	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not available.
Burning time	: Not available.

Burning rate	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapour density	: Not available.
Density	: 0.95 kg/L (20°C)
Relative density	: Not available.
Solubility	: Insoluble in the following materials: cold water
Ignition temperature	: >200 °C
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
SADT	: Not available.
Viscosity	: Not available.

Residual monomers : Analysis of representative products indicate styrene, and 1,3-butadiene are not present at the detection limit of our instrumentation.

Section 10. Reactivity and Stability

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

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

Conditions to avoid: No hazardous reactions when used as directed.

Incompatible materials : No specific data.

Hazardous decomposition products : Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO₂ may be developed. Degradation products of the polymers and their additives may also be formed.

Section 11. Toxicological Information

Under the recommended processing conditions small amounts of emitted substance (e.g. residual monomers, residual solvents, decomposition products) may be discharged. According to our experience and information the product has no harmful effects on health if properly handled.

Information on toxicological effects

Routes of entry anticipated: Dermal.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Skin contact : Defatting to the skin. May cause skin dryness and irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Ingestion : No specific data.

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

Short term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Long term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Section 12. Ecological Information

The product is practically insoluble in water. No ecological problems are to be expected if the product is properly handled. This product is not readily biodegradable.

Toxicity : Not available.

Persistence/degradability : Not available.

Bioaccumulative potential : Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Remarks : The product is insoluble in water. Therefore, ecological tests have not been conducted.

Section 13. Disposal Considerations

Product Disposal

The generation of waste should be avoided or minimised wherever possible . Recover or recycle if possible, Incineration or landfill should only be considered when recycling is not feasible. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Local Legislation

Consult local, state, federal, international or country specific regulations as appropriate.

Section 14. Transport Information

International Air Transportation Association Classification (IATA)

This product is not classified.

International Maritime Organization (IMDG)

This product is not classified.

UN, IMO, ADR/RID, ICAO Code: This product is not dangerous.

US Department of Transportation (DOT) 49CFR 171-180

This product is not classified as hazardous.

Hazard notes :Not dangerous cargo.Keep separated from foodstuffs.

Section 15. Regulatory Information

regulations

1. Regulations of the Safety Administration of Dangerous Chemicals.
2. Safety rules for classification, precautionary labeling and precautionary statements of chemicals for Chemicals in China (GB20576~20602).
3. Lists of dangerous goods (GB12268-2005)
4. Safety Data Sheet for Chemical Products -Content and Order of Sections (GB/ T16483-2008).
5. Classification and Code of Dangerous Goods (GB6944-2005).
6. General rule for classification and hazard communication of chemicals (GB13690-2009)
7. List of hazardous waste (2008.08.01).
8. List of hazardous chemicals(2002)

9. Occupational exposure limits for hazardous agents in the workplace Part1:

Chemical hazardous agents.

List of Goods banned for Importing: None of the components are listed.

List of Goods banned for Exporting: None of the components are listed.

List of Toxic Chemicals Severely Restricted for Importing & Exporting by China:

None of the components are listed.

Section 16. Other Information

Date of issue: Mar. 5, 2022

Disclaimer

The information in this document is based on our current knowledge and is intended to describe the product for the purposes of Health, Safety and Environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Advice in this document relates only to the product as originally supplied. Where other ingredients are added in the processing of this product, advice should be sought on their safe handling and use.