



# SAFETY DATA SHEET

## BIND-R ADJUVANT

Infosafe No.: X01EC

Version No.: 2.0

ISSUED Date : 25/08/2021

ISSUED by: SST AUSTRALIA PTY LTD

### Section 1 - Identification

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**Product Identifier**

BIND-R ADJUVANT

**Company Product Codes / Numbers / Unique Identifiers**

140010663

**Company Name**

SST AUSTRALIA PTY LTD

**Address**

Level 3, 35 Cotham Road, Kew, Victoria 3101

Australia

**Telephone/Fax Number**

Telephone: +61 3 9720 6306 Fax number: +61 3 9720 6407

**Emergency Phone Number**

1800 638 556

**E-mail Address**

regaffairs.anz@dksh.com

**Recommended use of the chemical and restrictions on use**

Industrial application.

### Section 2 - Hazard(s) Identification

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**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute toxicity: Category 4 - Inhalation

Eye damage/irritation: Category 1

Sensitisation - skin: Category 1A

Specific target organ toxicity (repeated exposure): Category 2

Hazardous to the Aquatic Environment - Acute Hazard: Category 3

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H402 Harmful to aquatic life.

**Pictogram (s)**

Corrosion, Health hazard, Exclamation mark

**Precautionary Statement – Prevention**

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

**Precautionary Statement – Response**

- P310 Immediately call a POISON CENTER/doctor.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Precautionary Statement – Disposal**

- P501 Dispose of contents/container to an approved waste disposal plant.

**Section 3 - Composition and Information on Ingredients****Ingredients**

Name	CAS	Proportion
Carboxylated styrene- butadiene copolymer		60- 90 %
Alcohols, C9- 11, ethoxylated propoxylated	103818- 93- 5	1- <10 %
2- Methyl- 4- isothiazolin- 3- one	2682- 20- 4	<0. 1 %
1, 2- Benzisothiazolin- 3- one	2634- 33- 5	<0. 1 %
Ingredients determined not to be hazardous		Balance

**Section 4 - First Aid Measures****Inhalation**

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

**Eye**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

**First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

**Section 5 - Firefighting Measures**

**Suitable Extinguishing Media**

Carbon dioxide, dry chemical, foam, water mist or water spray. Alcohol resistant foam is preferred. If not available normal foam can be used.

**Unsuitable Extinguishing Media**

Do not use water jet.

**Hazards from Combustion Products**

Non combustible material.

**Specific hazards arising from the chemical**

This product is non combustible.

**Decomposition Temperature**

Not available

**Precautions in connection with Fire**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

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**Section 6 - Accidental Release Measures**

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**Emergency Procedures**

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

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**Section 7 - Handling and Storage**

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**Precautions for Safe Handling**

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

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**Section 8 - Exposure Controls and Personal Protection**

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**Occupational exposure limit values**

No Exposure Limit Established

**Biological Monitoring**

No biological limits allocated.

**Control Banding**

Not available

**Engineering Controls**

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist/dust filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye and Face Protection**

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

**Hand Protection**

Wear gloves of impervious material such as PVC. Final choice of appropriate gloves will vary according to individual circumstances

i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### Thermal Hazards

No further relevant information available.

#### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Emulsion	Appearance	White emulsion
Colour	White	Odour	Not available
Melting Point	Not available	Freezing Point	<0 °C
Boiling Point	Not available	Decomposition Temperature	Not available
Solubility in Water	Miscible	Specific Gravity	1.01 (20 °C) (approximate)
pH	7-9	Vapour Pressure	Not available
Relative Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity
Volatile Component	Not available	Partition Coefficient: n-octanol/water (log value)	Not available
Flash Point	Not applicable	Flammability	Non combustible material.
Auto-Ignition Temperature	Not available	Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable	Explosion Properties	Not available
Oxidising Properties	Not available	Kinematic Viscosity	Not available
Dynamic Viscosity	Not available		

## Section 10 - Stability and Reactivity

#### Reactivity

Refer to Section 10: Possibility of hazardous reactions

#### Chemical Stability

Stable under normal conditions of storage and handling.

#### Possibility of hazardous reactions

Excessive free metallic ions may cause coagulation. Will coagulate under low pH conditions.

#### Conditions to Avoid

Extremes of temperature and direct sunlight.

#### Incompatible Materials

Not available

#### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes.

#### Hazardous Polymerization

Will not occur.

## Section 11 - Toxicological Information

#### Toxicology Information

Toxicity data for material given below.

#### Acute Toxicity - Oral

LD50 (rat): >5000 mg/kg

#### Acute Toxicity - Dermal

LD50 (rabbit): >2000 mg/kg

#### Acute Toxicity - Inhalation

LC50 (rat): 4.73 mg/l/4h

**Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Inhalation**

Harmful if inhaled. Inhalation of product dust/vapours can cause irritation of the nose, throat and respiratory system.

Breathing in high concentrations of vapours or aerosols of this material may cause nausea and irritation of the nose, throat and respiratory tract. Respiratory symptoms associated with pre-existing lung disorders (e.g. asthma-like conditions) may be aggravated by exposure to this material.

**Skin**

May be irritating to skin. The symptoms may include redness, itching and swelling. May cause an allergic skin reaction.

**Eye**

Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

**Respiratory Sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

May cause an allergic skin reaction.

**Germ Cell Mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

Styrene-butadiene copolymer is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT - Single Exposure**

Not expected to cause toxicity to a specific target organ.

**STOT - Repeated Exposure**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

## Section 12 - Ecological Information

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**Ecotoxicity**

Harmful to aquatic life.

**Persistence and degradability**

Not available

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Do not discharge this material into waterways, drains and sewers.

**Acute Toxicity - Fish**

LC50 (Guppy): 12.7 mg/l/96h

**Acute Toxicity - Daphnia**

EC50 (Daphnia): 5.2 mg/l/24h

**Hazardous to the Ozone Layer**

This product is not expected to deplete the ozone layer.

## Section 13 - Disposal Considerations

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**Disposal Considerations**

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed

of in accordance with all applicable local and national regulations.  
To minimise personal exposure, refer to Section 8 - Exposure controls and personal protection.

## Section 14 - Transport Information

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### Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

#### ADG U.N. Number

None Allocated

#### ADG Proper Shipping Name

None Allocated

#### ADG Transport Hazard Class

None Allocated

#### ADG Packing Group

None Allocated

#### Special Precautions for User

Not available

#### IATA UN Number

None Allocated

#### IATA Proper Shipping Name

Not dangerous for conveyance under IATA code

#### IATA Transport Hazard Class

None Allocated

#### IATA Packing Group

None Allocated

#### IMDG UN Number

None Allocated

#### IMDG Proper Shipping Name

Not dangerous for conveyance under IMO/IMDG code

#### IMDG Transport Hazard Class

None Allocated

#### IMDG Packing Group

None Allocated

#### IMDG Marine pollutant

No

#### Transport in Bulk

Not available

## Section 15 - Regulatory Information

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### Regulatory Information

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

#### Poisons Schedule

Not Scheduled

#### Australia (AICS/AIIC)

All components of this product are listed on the Inventory or exempted.

#### Montreal Protocol

Not Listed

#### Stockholm Convention

Not Listed

**Rotterdam Convention**

Not Listed

**International Convention for the Prevention of Pollution from Ships (MARPOL)**

Not available

**Agricultural and Veterinary Chemicals Act 1994**

Not applicable

**Basel Convention**

Not Listed

**Section 16 - Any Other Relevant Information**

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**Date of Preparation**

SDS Reviewed: August 2021, Supersedes: July 2016

**Literature References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road &amp; Rail.

Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Code of Practice for Supply Diversion into Illicit Drug Manufacture.

National Code of Practice for Chemicals of Security Concern.

Agricultural Compounds and Veterinary Chemicals Act.

International Agency for Research on Cancer (IARC) Monographs.

Montreal Protocol on Substances that Deplete the Ozone Layer.

Stockholm Convention on Persistent Organic Pollutants (POPs).

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.

International Air Transport Association (IATA) Dangerous Goods Regulations.

International Maritime Dangerous Goods (IMDG) Code.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals.

Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

**Contact Person/Point**

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