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正本/ORIGIN

编号: TCH23073011  
No: TCH23073011  
日期: 2023-07-30  
Date: 2023-07-30

ZAIQ-RF(HH)-01-19

# Safety Data Sheet



**Applicant name:** Ningbo Sunsoul Auto Accessories Co., Ltd.

**Product Name:** Inner Liner Sealer

**Edit date:** 2023-07-30

**Edit institution:** Technology Center of Hangzhou Customs District

**Approver:**



1. Unless other wise stated, this test report is only responsible for the sample(s).
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## 声 明

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This report shall be used in integrity. This organization will not be responsible for any misleading caused by the content of this report.

## 1. Identification of substance

Product Name	Inner Liner Sealer
Other Name	None
Chemical Name	None
Recommended Use	For repairing tires
Supplier	Ningbo Sunsoul Auto Accessories Co., Ltd.
Address	Gaofeng Village, Gaoqiao Town, Haishu Zone, Ningbo, China /315000
Phone Number	+86-0574-81858931
Fax Number	+86-0574-83888031
WEB or E-mail	None
Emergency Phone Number	+86-158 8803 5517 or Call your nearest poison control centre

## 2. Hazards identification

GHS classification	Flammable liquids 2 Acute toxicity-oral 4 Acute toxicity- inhalation 3 Skin corrosion/irritation 2 Serious eye damage/eye irritation 1 Sensitisation-skin 1 Specific target organ toxicity, single exposure 3 Specific target organ toxicity, repeated exposure 2
GHS Pictograms	
Signal words	Danger
Hazard statements	H225:Highly flammable liquid and vapour H302:Harmful if swallowed H331:Toxic if inhaled H315:Causes skin irritation H318:Causes serious eye damage H317:May cause an allergic skin reaction H335:May cause respiratory irritation H373:May cause damage to organs through prolonged or repeated exposure
Precautionary Statement Prevention	P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233:Keep container tightly closed. P240:Ground and bond container and receiving equipment. P241:Use explosion-proof electrical/ventilating/lighting/.../ equipment.

Precautionary Statement Response	<p>P242:Use non-sparking tools.</p> <p>P243:Take action to prevent static discharges.</p> <p>P260:Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P261:Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264:Wash hands thoroughly after handling.</p> <p>P264+P265:Wash hands [and...] thoroughly after handing. Do not touch eyes.</p> <p>P270:Do not eat, drink or smoke when using this product.</p> <p>P271:Use only outdoors or in a well-ventilated area.</p> <p>P272:Contaminated work clothing should not be allowed out of the work place.</p> <p>P280:Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.</p> <p>P301+P317:IF SWALLOWED: Get medical help.</p> <p>P302+P352:IF ON SKIN: Wash with plenty of water/...</p> <p>P303+P361+P353:IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water[or shower].</p> <p>P304+P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P354+P338:IF IN EYES:Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P316:Get emergency medical help immediately.</p> <p>P317:Get medical help.</p> <p>P319:Get medical help if you feel unwell.</p> <p>P321:Specific treatment (see the supplemental first aid instruction).</p> <p>P330:Rinse mouth.</p> <p>P332+P317:If skin irritation occurs:Get medical help.</p> <p>P333+P317:If skin irritation or rash occurs: Get medical help.</p> <p>P362+P364:Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378:In case of fire: Use ... to extinguish</p>
Precautionary Statement Storage	<p>P403+P233:Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235:Store in a well-ventilated place. Keep cool.</p> <p>P405:Store locked up.</p>
Precautionary Statement Disposal	<p>P501:Dispose of contents/container in according with local regulation.</p>
Other hazards which do not result in classification	<p>Not available.</p>

### 3. Composition/information on ingredients

☐ Substances

✓ **Mixtures**

**Component Information**

<b>Component</b>	<b>CAS number</b>	<b>EINECS number</b>	<b>Mass(%)</b>
n-Heptane	142-82-5	205-563-8	80%wt
Natural Rubber	9003-31-0	201-143-3	10%wt
SBR	9003-55-8	618-370-02	10%wt

**4. First-aid measures**

NOTE TO PHYSICIAN	In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Treat symptomatically.
After inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Get immediate medical attention.
After skin contact	Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. If irritation persists, get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
After eye contact	Rinse carefully with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, if eye irritation persists. Get medical advice/attention.
After ingestion	Rinse mouth. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Loosen tight clothing such as a collar, tie, belt or waistband. Do not use mouth-to-mouth method if victim ingested the substance. Seek immediate medical attention.
Most important symptoms/effects, acute and delayed	Harmful if swallowed. Toxic if inhaled. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.

**5. Fire-fighting measures**

Suitable extinguishing agents	Use dry chemical powder, foam, carbon dioxide, water spray for extinction. Water spray can be used to cool unopened containers.
Special hazards caused by the material, its products of combustion or flue gases	Highly flammable liquid and vapour. Vapour may form flammable and explosive mixture with air. Burning releases toxic and harmful fumes, such as carbon oxides.
Protective equipment for fire-fighters	Firefighters must wear self-contained breathing apparatus and full protective equipment. Check whether the protective equipment is in good condition before use. If there is no danger, remove all sources of ignition. Extinguish fire from upwind, and the fire extinguishing method should be

appropriate to the situation in the surroundings. Cool surrounding facilities, etc. with water spray.

#### 6. Accidental release measures

Person-related safety precautions

Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations. Do not touch or cross spills. All equipment used during work should be grounded. Cut off the source of the leak as much as possible. Eliminate all ignition sources. The warning zone should be delineated according to the influence area of liquid flow and vapor diffusion, and unrelated personnel are evacuated to a safe place from the crosswind and upwind.

Measures for environmental protection

Prevent further leakage or spillage if safe to do so. Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting

Small spill: mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container. Large spill: Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. DO NOT touch spilled material, and do not allow the spill to come into contact with flammable substances. Build up dike or dig pits for collection. Containers should be clearly marked for recycling or disposed as waste.

Additional information

See Section 7 for information on safe handling  
See section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

#### 7. Handling and storage

##### Handling

Information for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash hands thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.

Information about protection against explosions and fires

Wear protective gloves/protective clothing/eye protection/face protection.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take action to prevent static discharges.

##### STORAGE



Requirements to be met by storerooms and containers	Store in a cool, well-ventilated and dry place. Keep away from heat/sparks/open flames/hot surfaces and other ignition sources. Store locked up. The storeroom should be equipped with proper facilities for accidental leakage and fire.
Information about storage in one common storage facility	Storage at room temperature, keep container tightly closed. Store in a well-ventilated place. Store away from incompatible substances such as strong oxidants, acids, bases.
Further information about storage conditions	Storage area should be equipped with corresponding variety and quantity of fire-fighting equipment, leakage emergency treatment equipment and appropriate containment materials.

## 8. Exposure controls/personal protection

Limit Values for Exposure					
Component	CAS number	ACGIH TLV-TWA	ACGIH TLV-STEL	NIOSH PEL-TWA	NIOSH PEL-STEL
n-Heptane	142-82-5	0.01 ppm	0.02 ppm	N.E.	N.E.
Natural Rubber	9003-31-0	N.E.	N.E.	N.E.	N.E.
SBR	9003-55-8	N.E.	N.E.	N.E.	N.E.
Appropriate engineering controls	Strictly follow the procedure and maintain good ventilation. If fumes are generated during operation, use ventilation to ensure that air exposure values do not exceed specified limits. Install eyewash and shower facilities in prominent locations.				
General protective and hygienic measures	Keep away from foodstuffs, beverages and feed. Do not get this material in contact with skin. Do not get this material on clothing. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work.				
Personal protective equipment	Wear impermeable protective gloves (e.g. rubber gloves). Wear safety goggles when liquid may splash. Use approved respirators. Protective suits.				
Breathing equipment	When workers are facing high concentrations they must use appropriate certified respirators.				
Protection of hands	Wear appropriate chemical resistant gloves.				
Eye/Face protection	Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure.				
Body protection	Full set of anti chemical reagent overalls, flame retardant antistatic protective clothing, choose body protection according to the amount and concentration of the dangerous substance at the work place.				
Note: 1. N.E. means not established.					

## 9. Physical and chemical properties

Physical state	Black liquid
Colour	Black
Odour	Strong odour
Melting point/freezing	No data available

point	
Boiling point or initial boiling point and boiling range	98 °C
Flammability	Highly flammable liquid and vapour
Lower and upper explosion limit/flammability limit	No data available
Flash point	30°C (Closed cup)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient: n-octanol/water(log value)	No data available
Vapour pressure	No data available
Density and/or relative density	No data available
Relative vapour density (air=1)	No data available
Particle characteristics	Not applicable

#### 10. Stability and reactivity

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid (e.g. static discharge, shock or vibration)	High temperature. Heat/sparks/open flames /hot surfaces. Extreme temperatures and direct sunlight, static discharge.
Incompatible materials	Avoid contact with strong oxidants, acids, bases, etc.
Hazardous decomposition products	May include carbon oxides, irritating and toxic fumes and gases.

#### 11.Toxicological information

This product is a preparation for which no toxicological data exists. When available, toxicological data for the product's hazardous ingredients are provided below.

Routes of Entry: Dermal contact, eye contact, inhalation, ingestion.

Acute Toxicity

n-Heptane(CAS 142-82-5	LD50 (Oral, rat): 1,580 mg/kg LC50 (Inhalation, rat): 2.25 – 2.5 mg/l (4 h) LD50 (Dermal, rabbit): > 5,000 mg/kg
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Natural Rubber (CAS 9003-31-0)	LD50 (Oral, rat): N/A LC50 (Inhalation, rat): N/A LD50 (Dermal, rabbit): N/A
SBR(CAS 9003-55-8)	LD50 (Oral, rat): N/A LC50 (Inhalation, rat): N/A LD50 (Dermal, rabbit): N/
Skin corrosion/Irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified
Chronic Effects	Not classified
Further Information	None

## 12. Ecological information

Ecotoxicity	
Aquatic Toxicity	Test & Species 96 Hr LC50 Fish: N/A 48 Hr EC50 Daphnia: N/A 72 Hr EC50 Algae: N/A
Persistence and degradability	Not available
Bioaccumulative potential	Not available
Mobility in soil	Not available
Additional Information	None

## 13. Disposal considerations

### WASTE DISPOSAL INSTRUCTIONS

Contact a qualified professional waste disposal service to dispose of this material.  
Dispose of in accordance with local environmental regulations or local authority requirements.

## 14. Transport information

The Recommendation of Transport of Dangerous Goods(TDG)	
UN Number	UN 1206 3/PG 2
Proper Shipping Name	HEPTANE
Class/Division	Class 3 Flammable Liquids
Package Group	PG II
Subsidiary risk	—

labelling pictogram



Maritime transport IMDG/ Being same with TDG / No  
Marine pollutant (Yes/No)  
Air transport ICAO-TI and Being same with TDG  
IATA-DGR

### 15. Regulatory information

#### European/International Regulations

**OSHA:** Hazardous by definition of Hazard Communication Standard (29CFR 1910.1200).

**EINECS Status:** The main components of this chemical (Except Natural Rubber) are included in EINECS inventory.

**EPA TSCA Status:** The main components of this chemical are included in TSCA inventory.

**Canadian** The main components of this chemical are included in DSL.

**DSL(Domestic  
Substances List):**

**HMIS(Hazardous  
Material Identification  
System Ratings):** Health: 3  
Flammability: 3  
Physical hazard: 0  
Personal protection: J  
(4. Severe Hazard; 3. Serious Hazard; 2. Moderate Hazard; 1. Slight Hazard; 0. Minimal Hazard)

**WHMIS (Canadian  
Workplace Hazardous  
Material Identification  
System Ratings):** Unknown.

**GB 12268-2012 List of  
dangerous goods** This chemical is a dangerous goods on the GB 12268-2012 list of dangerous goods.

### 16. other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

This Material Safety Data Sheet was based on the "Globally Harmonized System of Classification and Labelling of Chemicals", "Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations", "INTERNATIONAL MARITIME DANGEROUS GOODS CODE", "International Air Transport Association Dangerous Goods Regulations",

the National Standards and other related dangerous chemicals management laws, regulations and standards, which are periodically updated and changed. To make dangerous goods / hazardous chemicals comply with the relevant requirements of the latest management, regularly update is recommended.

This Material Safety Data Sheet has been compiled in both English and Chinese. For any discrepancies, the Chinese version shall prevail.

Abbreviations and acronyms	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road RID: Regulations Concerning the International Transport of Dangerous Goods by Rail IMDG: International Maritime Code for Dangerous Goods IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent EC50: Effective concentration, 50 percent
<b>Edit Date</b>	30.01.2023
<b>Update and Revise</b>	Original edition
<b>Edit Standard</b>	<i>Globally Harmonized System of Classification and Labelling of Chemicals</i> Part 1.5
<b>Revised Institution</b>	Technology Center of Hangzhou Customs District