

# SAFETY DATA SHEET

Alkylphenol Acetylene Tackifying Resin



## 1. Identification

**GHS product identifier:** Alkylphenol Acetylene Tackifying Resin  
**Identification of the product:** See section 3  
**Recommended use:** Tire, retreading materials, conveyor belts, V-belts, industrial rubber tubes, cables and rubber roller layer, lining materials, and used as super tackifying component, etc.  
**Recommended Restrictions:** Not available  
**Details of the supplier of the safety data sheet:**  
**Supplier(Manufacturer):** Shanghai Liluo Industrial Co., Ltd.  
**Address:** Rm.5110,N0.735,Liyang Rd.,Shanghai 200080,China  
**Contact person(E-mail):** blackji@shliluo.com  
**Telephone:** +86-21-56973112  
**Fax:** +86-21-56721121  
**Emergency number:** +86-21-63335570

## 2. Hazards identification

### GHS classification:

**Physical hazards:** Not classified  
**Health hazards:** Skin corrosion/Irritation Category 3  
Serious eye damage / eye irritation Category 2A  
**Environmental hazards:** Not classified

### GHS label elements:

### Hazard Pictograms: :



**Signal word:** Warning  
**Hazard statement:** Causes mild skin irritation.  
Causes serious eye irritation.

### Precautionary statement:

**Prevention:** Wash hands thoroughly after handling.  
Wear eye protection/face protection.  
**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.

**Storage:** Not applicable

**Disposal:** Not applicable

**Specific hazards:** Not applicable

## 3. Composition/information on ingredients

**Substance/Mixture:** Mixture

**Ingredient(s):**

Chemical Name	CAS No.	EC No.	Concentration
Alkylphenol Acetylene Tackifying Resin	28514-92-3	N/A	98-99.99%
Free alkylphenol	98-54-4	202-679-0	0-2.0%

#### 4. First aid measures

**Description of necessary first-aid measures:**

**Inhalation:** Provide fresh air. If symptoms persist, call a physician.  
**Skin:** Wash off immediately with plenty of water. Consult a physician.  
**Eye:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**Ingestion:** Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:** Causes mild skin irritation. Causes serious eye irritation.

**Indication of immediate medical attention and special treatment needed, if necessary:** Treat symptomatically.

#### 5. Fire-fighting measures

**Suitable extinguishing media:** Carbon dioxide, dry powder, foam.  
**Unsuitable extinguishing media:** Not available.  
**Specific hazards arising from the chemical:** Hazardous decomposition products formed under fire conditions. - Carbon oxides.  
**Protective equipment and precautions for firefighters:** Protective equipment for fire-fighters, Self-contained breathing apparatus. Use air-supplied respirator, gloves and protective goggles.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid dust formation.  
**Environmental precautions:** Avoid discharge into drains, water courses or onto the ground.  
**Methods and materials for containment and cleaning up:** Use mechanical handling equipment. Sweep up and shovel into suitable containers for disposal.

#### 7. Handling and storage

**Precautions for safe handling:** Wear personal protective equipment. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.  
**Conditions for safe storage, including any incompatibilities:** Store in tightly closed original container in a dry, cool and well-ventilated place. Do not store near heat sources or expose to high temperatures. Protect from light, including direct sunrays.

#### 8. Exposure controls/personal protection

**Control parameters:**

<b>Occupational exposure limits:</b>	Free alkylphenol(CAS# 98-54-4): 0.08ppm; 0.5mg/m <sup>3</sup> (Denmark)
<b>Appropriate engineering controls:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
<b>Personal protective equipment:</b>	
<b>Eye/face protection:</b>	Tightly fitting safety goggles.
<b>Skin protection:</b>	Protective suit, Use disposable clothing if appropriate.
<b>Respiratory protection:</b>	Wear respiratory protection if ventilation is inadequate.
<b>Hand protection:</b>	Protective gloves.

## 9. Physical and chemical properties

<b>Appearance:</b>	
<b>Physical state:</b>	Solid
<b>Form:</b>	Granules or powder
<b>Color:</b>	Brown
<b>Odor:</b>	With a slight odor, almost odorless
<b>Odour threshold:</b>	Not available
<b>PH:</b>	Not available
<b>Softening point / range:</b>	135-150°C
<b>Initial boiling point and boiling range:</b>	238.3 °C(CAS#98-54-4)
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas) :</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapor pressure:</b>	ca. 0.5 Pa(20 °C)(CAS#98-54-4)
<b>Vapor density:</b>	Not available
<b>Density:</b>	1.02-1.04g/cm <sup>3</sup>
<b>Solubility (H<sub>2</sub>O) :</b>	Not available
<b>Partition coefficient (n-octanol/water) :</b>	log Pow=3(23°C)(CAS#98-54-4)
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Molecular weight:</b>	Not available
<b>Molecular formula:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Specific gravity:</b>	Not available

## 10. Stability and reactivity

<b>Reactivity:</b>	The substance is stable under normal storage and handling conditions.
<b>Chemical stability:</b>	Material is stable under normal conditions
<b>Possibility of hazardous reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid:</b>	Contact with incompatible materials.
<b>Incompatible materials:</b>	Acids, Oxidizing agents.
<b>Hazardous decomposition products:</b>	Carbon oxides.

## 11. Toxicological information

**Toxicological data:**

<b>Toxicological information:</b>	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Acute toxicity:</b>	
Free alkylphenol (CAS#98-54-4):	
<b>LD50(Oral, Rat):</b>	> 2 000 mg/kg bw
<b>LD50(Dermal, Rabbit):</b>	Not available.
<b>LC50(Inhalation, Rat):</b>	Not available.
<b>Skin corrosion/Irritation:</b>	Causes mild skin irritation.
<b>Serious eye damage/irritation:</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	Not classified
<b>Other information</b>	Not classified

## 12. Ecological information

### Toxicity:

Free alkylphenol (CAS#98-54-4):

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 1 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	ca. 4.8 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	ca. 14 mg/L	72h	Algae	OECD 201	N/A	N/A

<b>Persistence and degradability:</b>	Free alkylphenol (CAS#98-54-4): readily biodegradable, but failing 10-day window.
<b>Bioaccumulative potential:</b>	Free alkylphenol (CAS#98-54-4): BCF: 20 – 43.
<b>Mobility in soil:</b>	No data available.
<b>Other adverse effects:</b>	No data available.

## 13. Disposal considerations

<b>Disposal methods:</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Waste from residues/unused products:</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging:</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
<b>UN-Number</b>	Not regulated	Not regulated	Not regulated
<b>UN Proper shipping name</b>	Not regulated	Not regulated	Not regulated
<b>Transport hazard Class</b>	Not regulated	Not regulated	Not regulated

<b>Packaging group</b>	Not regulated	Not regulated	Not regulated
<b>Environmental hazards</b>	No	No	No
<b>Special precautions for user</b>	See section 2.2	See section 2.2	See section 2.2
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not regulated	Not regulated	Not regulated

## 15. Regulatory information

### Inventory status:

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

<b>Indication of changes:</b>	Version 1.0 Amended by GHS rev 4
<b>Training instructions:</b>	Not applicable.
<b>Further information:</b>	This information is based upon the present state of our knowledge. This MSDS has been compiled and is solely intended for this product.
<b>Notice to reader:</b>	Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment 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 Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.