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**MATERIAL SAFETY DATA SHEET**

**MSDS # PMC/RC/026/06**

Updated on 02 - Jan - 2006  
Product Name ACCINOX SP  
Revision Number +REV 02  
UN Number 3082  
CAS No. 61788 - 44 - 1

Health Hazard :	1
Fire Hazard :	1
Reactivity :	0
Personal Protection :	X

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

**PRODUCT NAME: ACCINOX SP**

Address/Phone No : PMC Rubber Chemicals India Private Limited  
Works & Registered Office:  
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West Bengal, India  
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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**PRODUCT DESCRIPTION** Styrenated phenol  
(mixture of mono,di & tri-styrenated phenols)

CAS No 61788 – 44 - 1

HAZARDOUS INGREDIENT(S)	CAS No.	%(w/w)
Styrenated phenol	61788 –44 -1	>98
Phenol	108-95-2	<1.5

**3. HAZARDS IDENTIFICATION**

Low toxicity under normal conditions of handling and use.  
Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**4. FIRST-AID MEASURES**

Inhalation :Remove patients from exposure.  
Obtain medical attention if ill effects occur.

Skin Contact : Remove contaminated clothing. Wash skin with soap & water. If symptoms (irritation or blistering) occur obtain medical attention.

Eye Contact : Irrigate with eye wash solution or clean water, holding the eye-lids apart, for at least 10 minutes. Obtain medical attention.

Ingestion : Do not induce vomiting. Wash out mouth with water and give 200-300ml of water to drink. Obtain medical attention.

### **Further Medical Treatment**

Symptomatic treatment and supportive therapy as indicated.

## **5. FIRE-FIGHTING MEASURES**

Combustible. Flash Point: 325°F

Combustion will evolve very toxic, irritant and extremely flammable vapours.

Combustion products : Styrene, Carbon monoxide, Carbon dioxide, and phenol.

Extinguishing Media: Water spray, foam, dry powder or CO<sub>2</sub>.

Fire Fighting Protective Equipment: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

## **6. ACCIDENTAL RELEASE MEASURES**

Do not allow to enter drains, sewers or watercourses. Use appropriate containment to avoid environmental contamination. Transfer to a container for disposal or recovery.

Ensure suitable personal protective protection during removal of spillages.

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

## **7. HANDLING AND STORAGE**

### **7.1 HANDLING**

Avoid contact with skin and eyes.

## 7.2 STORAGE

Suitable containers : mild steel drums / poly-carboys  
Keep away from oxidising agents, acids, alkalis, moisture, heat  
and direct sunlight.

Storage Temperature : Ambient.  
Storage Life : 1 –2 year(s)

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable gloves and eye/face protection.

### Occupational Exposure Limits

No occupational exposure limit assigned . The following exposure limits apply for phenol (OSHA PEL/8 HR.TWA:5 ppm, ACGIH TLV/8HR. TWA:5 ppm ;STEL:10 ppm)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Pale yellow
Specific Gravity	1.08 (typical) at 25°C
Odour	Typically phenolic
Viscosity @ 25°C	3000 – 6000 CPS
pH (Value)	5.7 (typical)
Boiling Point (Deg C)	No data
Melting Point (Deg C)	Not applicable
Flash Point (Deg C)	325°F approx
Flammable Limits	No data.
Auto Ignition temp	No data
Explosive Properties	Not applicable
Vapour Pressure (Ps)	No data.
Solubility (Water)	Insoluble
Solubility (Other)	Acetone

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage conditions  
Conditions to Avoid: High temperatures (>75°C)  
Incompatible materials : Oxidising agents, acids and alkalis

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Hazardous Polymerisation: Will not occur  
Hazardous Decomposition Product(s) : See “ Fire fighting measures”

## 11. TOXICOLOGICAL INFORMATION

Acute Oral LD50 (Rat) > 2,000 mg/kg  
Acute Dermal LD50 (Rabbit) > 7,000 mg/kg  
Inhalation High concentration of mist may be irritant to the upper respiratory tract.  
Combustion or thermal decomposition will evolve very toxic and irritant vapours.  
Skin Contact May cause skin irritation.  
Eye Contact May cause eye irritation  
Long Term Exposure:Chronic effects are unlikely

## 12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Acute Fish Toxicity: No data  
Acute Algae Toxicity: No data  
Chemical fate Information: No data

## 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.  
This material and/or its container must be disposed of as hazardous waste.

## 14. TRANSPORT INFORMATION

UN No : 3082  
UN Pack Group : III  
SEA  
IMDG Status : Not regulated  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, STYRENATED PHENOL, N.O.S  
ROAD / RAIL  
ADR / RID Class : 9  
IATA/ICAO : Not regulated

## 15. REGULATORY INFORMATION

EC classification : DANGEROUS FOR THE ENVIRONMENT

Hazard Symbol : N



Risk Phrases: R53 May cause long term adverse effects in the aquatic environment.

Safety phrases : S24 Avoid contact with skin.  
S36 Wear suitable protective clothing.  
S 60 : This material and / or its container must be disposed of as hazardous waste.  
S 61 : Avoid release to the environment. Refer to special Instructions / Safety Data Sheet

## 16. OTHER INFORMATION

Use : Antioxidant – non-staining (liquid) for use in most elastomers, particularly NR & SBR.

HMIS rating: Health: 1  
Flammability: 1  
Reactivity: 0  
PPI: X

Legend : 0(HMIS) Minimal hazard  
1(HMIS) Slight hazard  
2(HMIS) Moderate hazard  
3(HMIS) Serious hazard  
4(HMIS) Severe hazard  
X(HMIS) Personal protective rating to be supplied by user depending on the use conditions

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