

## SAFETY DATA SHEET

### Phenolic resin

#### 1. IDENTIFICATION OF THE HAZARDOUS CHEMICALS AND OF THE SUPPLIER

##### 1.1 Identification of product

Product Form : Mixture  
 Product Name : Phenolic resin  
 Trade Name : CK 1634, CK 1634A, CK 1634C, CK 1636, CK 1636C,  
 CK-1636H, CK 1638  
 Chemical Name : Formaldehyde, reaction products with butylphenol  
 Chemical Family : Phenol-Aldehyde  
 CAS number : 25085-50-1

##### Use of product

Resin for rubber based contact adhesives

##### 1.2 Supplier Identification

Sahastraa Exports Pvt Ltd  
 Navkar Plaza 6th Floor,  
 Bajaj Road Vile Parle West  
 Mumbai – 400056 India  
 Emergency telephone Tel: +91 22 67879700 (100 Lines)

#### 2. HAZARDS IDENTIFICATION

##### Hazard Classification

Hazard class and category : Skin Sensitisation 1

##### Labeling Elements

Pictogram :



Signal word: Warning

*Hazard Statements*

H317 – May cause allergic skin reaction

*Precautionary Statement*

P261 – Avoid breathing dust

P272 – Contaminated clothing should not be allowed out of the workplace

P280 – Wear protective gloves

P363 – Wash contaminated clothing before reuse

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water

P333 + P313 – If skin irritation or rash occurs: Get medical advice / attention

P501 – Dispose of contents / container in accordance with National and local regulations

2.3 **Other hazards:** None

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Identity : Phenol-Aldehyde

Synonyms : Alkyl(C2-4) phenol-Formaldehyde polycondensate

Chemical Name	CAS No	Weight, %
Formaldehyde, reaction products with butylphenol	25085-50-1	>99.8
Formaldehyde *	50-00-0	< 0.1
p-tert-butylphenol *	98-54-4	< 0.1

Note \* : Materials not considered hazardous in the classification of our product as their concentrations are less than 0.1%.

**4. FIRST AID MEASURES**

*Skin contact*

Remove contaminated clothing. Wash skin with plenty of soap and water. Seek medical attention if skin irritation or rash occurs. Wash clothing before reuse.

*Eye contact*

Immediately flush eyes with plenty of water. Seek medical attention if discomfort persists.

*Inhalation*

Move person to fresh air. In case of irregular or no breathing, give artificial respiration. Seek medical attention.

*Ingestion*

Seek immediate medical attention if material is swallowed. Do not induce vomiting unless instructed by

medical personnel. If person can still swallow well, give a little water for dilution.

*Notes to physician*

There is no specific antidote. Treatment for overexposure should be directed at the control of the symptoms and the clinical condition of the patient

**5. FIRE-FIGHTING MEASURES**

*Suitable Extinguishing media*

Dry chemical, "alcohol" foam, carbon dioxide extinguishers or water fog.

*Extinguishing media to be avoided*

None in particular.

*Unusual fire and explosion hazards*

Irritating gases or fumes may be released into air during a fire like carbon monoxide, carbon dioxide, formaldehyde and phenolic derivatives.

*Special protective equipment for fire fighters*

Use self-contained breathing apparatus and full protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

*Personal precautions*

Wear suitable protective clothing. Follow company's emergency plans.

*Environmental precautions*

Stop the flow of material. Eliminate sources of ignition. Contain the spill and prevent the material from entering drains, surface and ground water.

*Methods for cleaning up*

Ventilate with fresh air. Collect as much of the spilled material as possible. Use wet sweeping or water to avoid dusting. Collect and place in a closed container. Dispose as approved by your State Regulations.

**7. HANDLING AND STORAGE (PENGENDALIAN DAN PENYIMPANAN)**

**7.1 Handling**

Avoid crushing and dispersion of dust in air

Use in accordance to good hygiene industrial practices when handling.

Do not allow dust to accumulate on surfaces and equipment.

Eliminated static charges by proper procedures and effective grounding.

*Ventilation*

Special, local ventilation is recommended in areas where containers are opened and the content is

discharged or in any areas where dusting conditions may occur.

7.2 **Storage**

Store in a cool, dry, well ventilated area. Packaging should only be opened before use and closed back after use. Do not reuse empty packaging as it may contain product residue.

7.3 **Specific use(s)**

For industrial and professional use only.

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1 **Control parameters**

*Formaldehyde*

Classified to carcinogenic Category 1B (presumed human carcinogen) by European Composites Industry Association (EuCIA)

- OSHA\* - 8 hours' Time Weighted Average (TWA) – 0.75 ppm
- OSHA\* - 15 minutes Short Term Exposure Limit (STEL) – 2 ppm
- USECHH Regulations 2000 & ACGIH – Ceiling limit 0.3 ppm (formaldehyde)

8.2 **Engineering controls**

Ventilation should be adequate to effectively remove and prevent build-up of dusts during handling.

8.3 **Personal protective equipment**

Respiratory protection : Dust respirator, if dusting occurs.

Skin and hand protection : General working gloves are acceptable. For prolonged contact, use impervious gloves. Wear protective clothing like apron.

Eye protection : Safety glasses.

Other protective equipment : Emergency Shower dan Eye Wash.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Solid, amber and coarsely crushed

Softening point, ring and ball method : CK 1634 : 90 – 102°C CK 1634A : 90 – 102°C  
CK 1634C : 90 – 102°C CK 1636 : 102 – 105°C  
CK 1636C : 102 – 105°C CK 1636H : 105 – 115 °C  
CK 1638 : 95 – 105 °C

Water solubility : Insoluble

Specific gravity	:	1.10 g/cm <sup>3</sup>
Vapour density	:	> Air
Other Solubility	:	Soluble in ketones and hydrocarbons

## 10. STABILITY AND REACTIVITY

### *Reactivity*

Hazardous polymerization does not occur

### *Chemical stability*

Product is stable under normal conditions.

### *Conditions to avoid*

Avoid ignition sources where dust is generated.

### *Incompatible materials*

None known.

### *Hazardous decomposition products*

Carbon monoxide and/or carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### *Acute toxicity*

Product : May cause an allergic skin reaction.

Components : Concentrations are below 0.1% and are not classified as toxic or hazardous.

### *Chronic toxicity*

Product : Some people may be susceptible to sensitization as a result of skin contact with this product in undiluted form.

Components : Although one of its components (formaldehyde) is carcinogenic, it's concentration in the product is below 0.1% and hence is not a carcinogen.

### *Routes of Exposure*

#### *Effects from inhalation*

Possible temporary upper respiratory tract irritation – signs/symptoms may include sneezing, cough, nasal discharge.

#### *Effects from ingestion*

Gastrointestinal irritation.

#### *Effects from acute skin contact*

May cause irritation particularly to sensitive persons.

#### *Effects from eye contact*

Possible temporary irritation due to dust.

*Other Adverse Effects*

To the best of our knowledge, the toxicological properties of this product have not been fully investigated.

**12. ECOLOGICAL INFORMATION**

Ecotoxicity : Do not discharges waste into natural water course.  
Persistence and degradability : The properties of this material have not been fully investigated  
Bioaccumulative potential : Unknown.  
Mobility in water : Material is not soluble in water.

**13. DISPOSAL INFORMATION**

Dispose off waste in accordance with appropriate local, state and federal regulations.

**14. TRANSPORT INFORMATION**

Not restricted by RID/ADR, IMO/IMCO and ICAO/IATA.

**15. REGULATORY INFORMATION**

This Safety Data Sheet is provided in compliance with Occupational Safety and Health CLASS Regulations 2013.

**16. OTHER INFORMATION**

**Recommended usage and restrictions**

For industrial use only.

Please consult the product and/or applications information bulletins for this product.

**Disclaimer**

The information contains herein is correct to the best of our knowledge. We disclaim any liability as to the recommendations or completeness of the information. The final evaluation on the fitness of use lies on the user' digression. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Even though various hazards had been listed herein, we do not warranty that those are the only existing hazards.

**Notes :**

- [1] Normal texts in bold are in English. Italic blue texts are in Bahasa Malaysia.
- [2] OSHA\* - Occupational Safety and Health Administration (US)
- [3] ACGIH – American Conference of Governmental Industrial Hygienists