

# Technic KR140

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
<b>Manufacturer</b> Rajsha Chemicals Private Limited 637 Lamdapura Road, At Manjusar, Ta Savli, Dist Vadodara 391775, Gujarat, India Tel: +91 96620 49271	<b>Emergency Contact</b> Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
<b>Trade Name(s):</b> Technic KR140, Tertiary Butyl Phenol Aldehyde Resin (Phenolic Resin)	<b>Chemical Name:</b> 4-(1,1-dimethylethyl)phenol polymer with Ethanal
<b>Relevant identified uses of the substance            or mixture and uses advised against:</b> Chemical used in the synthesis and/or formulation of industrial products.	<b>Uses advised against:</b> No information available.
<b>Issued By:</b> Sovereign Chemical Company  According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS	<b>Date of Issue:</b> July 10, 2020

## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture  
 Classification according to Regulation (EC) No 1272/2008

GHS07

Hazard Pictograms



Signal word: Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation  
 H412 – Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P264 – Wash hands thoroughly after handling  
 P273 – Avoid release into the environment  
 P280 - Wear protective clothing, eye protection, face protection,  
 protective gloves  
 P305+P351+P338 – If in eyes, rinse cautiously with water for  
 several minutes. Remove contact lenses, if present and easy to do

so. Continue rinsing.  
P337+P313 – If eye irritation persists, get medical advice/attention  
P501 – Dispose of contents/container to comply with applicable local, national and international regulations.

Child-resistant fastening: No  
Tactile warning: No

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

According to Regulation (EC) No 1907/2006 (REACH) with its amendment Regulation (EC) No 453/2010.

Phenol, 4---(1,1---dimethylethyl)---Polymer with Ethanal  
(CAS No) 28514---92---3  
3% max

4---tert---butylphenol  
(CAS No) 98---54---4 (EC no) 202---679---0  
3% max

Skin irritation, Category 2, H315  
Eye damage, Category 1, H318  
Reproduction, Category 2, H361  
Aquatic Chronic, Category 1, H410  
Acute Toxicity, Category 5 (oral)

### 4. FIRST AID MEASURES

Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer (INHALATION).

First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, seek immediate medical advice.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after eye contact: Causes serious eye irritation.

## 5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Special hazards arising from the substance or mixture: No information available.

Advice for firefighters

Firefighting instructions: Inform Fire Brigade. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Protective equipment: Wear protective gloves and eye/face protection. Wear protective clothing as described in Section 8 of this safety data sheet.

Emergency procedures: Evacuate personnel to a safe area.

For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

## 7. HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

**8. EXPOSURE CONTROLS - PERSONAL PROTECTION**

Control parameters

No occupational exposure limit known.

Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

General Information

Appearance Form: Pastilles. Color: Yellow-brown.	Change in Condition Melting Point/Range: 135 -150°C Boiling point/Range: Not determined.
Odor: Product specific.	Relative density: Not determined.
Odor threshold: Not determined.	pH value: 4-7 (50% alcohol)
Vapor Pressure: 1 mbar	Flash point: >= 218°C
Density at 20 °C: 1-1.06 g/cm <sup>3</sup>	Flammability (solid, gaseous): Nonflammable
Vapor Density: Not determined.	Ignition temperature: > 410°C
Evaporation rate: Not determined.	Decomposition temperature: Not determined
Solubility in / Miscibility with water: Insoluble in water. Soluble in hydrocarbon-based solvent.	Self-igniting: Product is not self-igniting.
Partition coefficient (octanol/water): Not determined.	Danger of explosion: Product does not present an explosion hazard.

Viscosity Dynamic: Not determined. Kinematic: Not determined	Explosion limits Lower: Not determined. Upper: Not determined.
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## 10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Not established.

Possibility of hazardous reactions: Product is not dust-explosive as supplied.

Conditions to avoid: No data available.

Incompatible materials: No data available.

Hazardous decomposition products: No hazardous decomposition known. It is not a self-decomposition substance.

## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Virtually non-toxic.

Reference has been taken from the toxicological data of a similar product. Based on available data, the classification criteria are not met.

Technic KR140

LD50 oral rat > 2000 mg/kg

4-tert-butylphenol (CAS No) 98-54-4

LD50 oral rat > 2000 mg/kg

LC50 inhalation rat (mg/l) > 5.6 g/l (Exposure time: 4 h)

Skin corrosion/irritation : Not classified.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified.

Specific target organ toxicity (single exposure) : Not classified.

Specific target organ toxicity (repeated exposure) : Not classified.

Aspiration hazard : Not classified.

Potential Adverse human health effects and symptoms : Not classified.

**12. ECOLOGICAL INFORMATION**

Toxicity

Ecology (general) – Not toxic to water organisms. Mixture not tested.

Ecology (water) – Harmful to aquatic life with long lasting effects.

4-tert-butylphenol (CAS No) 98-54-4  
 LC50 fish 1 > 1 mg/l

Persistence and degradability: Not readily biodegradable. May cause long-term adverse effects in the environment.

Bioaccumulative potential: Not established.

Mobility in soil: No additional information available.

Results of PBT and vPvB assessment

PBT: The substance is classified as toxic for reproduction (category 2) and classified as having developmental effects (category 3).

vPvB: Not applicable.

Other adverse effects: Avoid release into the environment.

**13. DISPOSAL CONSIDERATIONS**

Recommendation: Dispose in a safe manner in accordance with local/national regulations.

Ecology – Avoid release to the environment.

**14. TRANSPORTATION INFORMATION**

UN-Number

DOT, ADR, ADN, IMDG, IATA Not regulated

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA Not regulated

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA Class Not regulated

Packing group

DOT, ADR, IMDG, IATA Not regulated

Environmental hazards

Marine pollutant No

Special precautions for user                      Not applicable

Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code              Not applicable.  
UN "Model Regulation"

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture  
United States (USA)

Ingredients are listed on TSCA inventory.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.