

Technic TR90

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Techno Waxchem Private Limited Suite 3C Hi Tech Chambers, 84/1B Topsia Road Kolkata 700046, India T 91-33-2285 1278	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Technic TR90, Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	Chemical Name: 4-(1,1-dimethylethyl)phenol polymer with Ethanal
Relevant identified uses of the substance or mixture and uses advised against: Chemical used in synthesis and/or formulation of industrial products.	Application of the substance/the preparation: Rubber compounding.
Issued By: Sovereign Chemical Company According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS	Date of Issue: April 15, 2024

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012) and Regulation (EC) No 1272/2008

Skin Sens. Category 1 H317
 Aquatic, Chronic Category 3 H412

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 advise/attention
- P391 – Collect spillage
- 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

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	607-986-7	>99%	Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)

The remaining unspecified ingredients are impurities and are not hazardous.

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).

First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.

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.

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

Symptoms/injuries after skin contact: Irritation of the skin.

Symptoms/injuries after inhalation: Irritation to respiratory tract.

5. FIRE FIGHTING MEASURES

Extinguishing media

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

Unsuitable extinguishing media: No information available.

Special hazards arising from the substance or mixture

Fire hazard: Combustible

Explosion hazard with air: Dust generated during handling or storage can create explosion mixtures

Advice for firefighters

Firefighting instructions: 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

For non-emergency personnel Emergency procedures: Evacuate unnecessary personnel.

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. Avoid release to the environment.

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 : Wash hands thoroughly after handling.

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. Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance Form: Pastilles. Color: Yellow, amber to brown.	Change in Condition Melting Point/Range: 85-95°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: No data available.	Flash point: $\geq 250^{\circ}\text{C}$
Density at 20 °C: 1-1.06 g/cm ³	Flammability (solid, gaseous): Nonflammable
Vapor Density: Not determined.	Ignition temperature: No data available.
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.

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Not established.

Possibility of hazardous reactions: Strong acids.

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.

Skin corrosion/irritation : Not classified.

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

Serious eye damage/irritation : Causes serious eye irritation.

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

Respiratory or skin sensitization : Not classified.

Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified.

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

Carcinogenicity : Not classified.

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

Reproductive toxicity : Not classified.

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

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

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

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

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

Aspiration hazard : Not classified.

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

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Toxicity

Ecology (general) – The product is not considered harmful to aquatic organisms or to cause long term adverse effect to the environment.

Ecology (water) – The product is reaction product of formaldehyde with para-tertoctylphenol (PTOP). The product is categorized as a polymer with a residual of 2.5% max of PTOp (hazardous substance). The product offered for sale does not represent an aquatic hazard nor is classified per any other listed hazard. The product is not considered hazardous per the noted requirement.

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: No additional information available.

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
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UN proper shipping name

DOT, ADR, ADN, IMDG, IATA	Not regulated
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Transport hazard class(es)

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

DOT, ADR, IMDG, IATA	Not regulated
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Environmental hazards

Marine pollutant	No
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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)	
SARA Section 355 (extremely hazardous substances)	Substance is not listed.
SARA Section 313 (Specific toxic chemical listings)	Substance is not listed.
TSCA (Toxic Substances Control Act)	Substance is listed.
Proposition 65 (California)	
Chemicals known to cause cancer	Substance is not listed.
Chemicals known to cause reproductive toxicity for females	Substance is not listed.
Chemicals known to cause reproductive toxicity for males	Substance is not listed.
Chemicals known to cause developmental toxicity	Substance is not listed.
Carcinogenic Categories	
EPA (Environmental Protection Agency)	Substance is not listed.
IARC (International Agency for Research on Cancer)	Substance is not listed.
TLV (Threshold Limit Value established by ACGIH)	Substance is not listed.
NIOSH-Ca (National Institute for Occupational Safety and Health)	Substance is not listed.
OSHA-Ca (Occupational Safety & Health Administration)	Substance is not listed.
Canada	
Canadian Domestic Substances List (DSL)	Substance is not listed.
Canadian Ingredient Disclosure list (limit 0.1%)	Substance is not listed.
Canadian Ingredient Disclosure list (limit 1%)	Substance is not listed.

Contains no substance with Annex XVII restrictions.

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: 4-(1,1,1,3,3-tetramethylbutyl)phenol (EC 205-462-2, CAS 140-66-9)

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.