

Techbond ZU40

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Techno Waxchem PVT. LTD. 3C, Hitech Chambers, 84/1B, Topsia Road(S), Kolkata – 700 046, WB, India Tel: +91 33 2285 1278 / 1279, 4004 8093/88094	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Techbond ZU40	Chemical Name: Basic Zinc complex salt dispersed over Precipitate Silica
Relevant identified uses of the substance or mixture and uses advised against: Chemical used in the synthesis and/or formulation of industrial products.	Uses advised against: No information available.
Issued By: Sovereign Chemical Company According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS	Date of Issue: January 17, 2023

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

Hazard Pictograms – N/A

Signal word: N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Fatty Acid, C14-C18 and C16-C18, unsaturated, zinc salt
(CAS No) 67701-12-6 (EC no) 266-936-9
37.5%

Silicon Dioxide
(CAS No) 7631-86-9 (EC no) 231-545-4
62.5%

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.

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: Emits toxic fumes under fire conditions.

Hazardous decomposition products in case of fire: Carbon monoxide. Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Evacuate personnel to a safe area.

For emergency responders

Protective equipment: Wear protective gloves and eye/face 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: 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. Use only outdoors or in a well-ventilated area. Avoid breathing gas, mist, spray, vapors, fume. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

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

Storage condition: 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: Use all personal protective equipment.

Materials for protective clothing: Avoid repeated or prolonged skin contact. According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn. Chemical resistant protective apron/clothing (tested to EN 14605 or equivalent). Safety glasses. Rubber boots. Solvent-resistant apron. Remove contaminated clothing. Use multi-purpose combination (US) or type ABEK (EN) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Wear protective gloves. Wash and dry hands. The selected protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from.

Eye protection: Chemical goggles or safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Respiratory protection: Wear appropriate mask. Where risk assessment shows air purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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: Powder. Color: White to yellow.	Change in Condition Melting Point/Range: No data available. Boiling point/Range: No data available.
Odor: No data available.	Relative density: Not determined.
Odor threshold: Not determined.	pH value: No data available.
Vapor Pressure: 18.5 mm Hg	Flash point: No data available.
Density at 20 °C: 1.48 g/cm ³	Flammability (solid, gaseous): Nonflammable

Vapor Density: Not determined.	Ignition temperature: > 325°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.

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Stable at ambient temperature and under normal conditions of use.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions. Strong acids. alkali.

Incompatible materials: Strong oxidizing agents. Strong reducing agents.

Hazardous decomposition products: Carbon Dioxide.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Inhalation of dust or mist; harmful if inhaled.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

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: Data not sufficient for classification

Persistence and degradability: Data not sufficient for classification

Bioaccumulative potential: Data not sufficient for classification

Mobility in soil: Data not sufficient for classification

Results of PBT and vPvB assessment: Data not sufficient for classification

Other adverse effects: Avoid release into the environment.

13. DISPOSAL CONSIDERATIONS

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

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)

SARA Section 355 (extremely hazardous substances)	None of the ingredients is listed.
SARA Section 313 (Specific toxic chemical listings)	None of the ingredients is listed.

TSCA (Toxic Substances Control Act)	All ingredients are listed
Proposition 65 (California)	
Chemicals known to cause cancer	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males	None of the ingredients is listed.
Chemicals known to cause developmental toxicity	None of the ingredients is listed.
Carcinogenic Categories	
EPA (Environmental Protection Agency)	None of the ingredients is listed.
IARC (International Agency for Research on Cancer)	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients is listed.
Canada	
Canadian Domestic Substances List (DSL)	All ingredients are listed.
Canadian Ingredient Disclosure list (limit 0.1%)	None of the ingredients is listed.
Canadian Ingredient Disclosure list (limit 1%)	None of the ingredients is listed.

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.