



**INDENTA**<sup>TM</sup>  
*Chemicals (India) Pvt. Ltd.*



117, The Summit Business Bay, Nr. Western Express Highway Metro Station, Opp. Cinemax, Off Andheri Kurla Road, Andheri (E), Mumbai - 93, India  
Phone : +91-22-2684 9600 (10 lines) Fax : +91-22-2684 9060 Email : [indenta@indenta.com](mailto:indenta@indenta.com) Website : [www.indenta.com](http://www.indenta.com)

## Material Safety Data Sheet

### SECTION 1.1 – PRODUCT IDENTIFICATION

**Product** : Simethicone Emulsion

### SECTION: 1.2 – COMPANY IDENTIFICATION

**Company Name:** Indenta Chemicals (India) Pvt. Ltd.

**Address:** 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India

**Telephone #:** +91-22-26849600

**Fax #:** +91-22-26849060

### SECTION 2: HAZARD IDENTIFICATION

**Potential Acute Health Effects:** Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to skin, eyes. Repeated or prolonged exposure to the substance can produce target organs damage.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

**Name:** Simethicone emulsion 30%

**CAS #:** 7681-57-4

**% by Weight:** 100

### SECTION 4: FIRST AID MEASURES

**Eye Contact:**

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:**

Not available.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:**

Not available.

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**SECTION 5: FIRE FIGHTING MEASURES**

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** CLOSED CUP: 196°C (384.8°F).

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Slightly flammable to flammable in presence of open flames and sparks, of heat.

**Explosion Hazards in Presence of Various Substances:**

**Risks of explosion of the product in presence of mechanical impact:** Not available. **Risks of explosion of the product in presence of static discharge:** Not available.

**Fire Fighting Media and Instructions:**

**SMALL FIRE:** Use DRY chemical powder. **LARGE FIRE:** Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:**

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

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**SECTION 7: HANDLING AND STORAGE**

**Precautions:**

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. Keep away from incompatibles such as oxidizing agents.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

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**SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. Personal Protection: Safety glasses. Lab coat.

**Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE

handling this product.  
Exposure Limits: Not available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### Physical state and appearance:

Liquid.

### Odor:

Aromatic. (Slight.)

### Taste:

Sharp burning

### Molecular Weight:

108.14 g/mole

### Color:

Colorless. Clear

### Boiling Point:

205.3°C (401.5°F)

### Melting Point:

-15.2°C (4.6°F)

### Critical Temperature:

441.85°C (827.3°F)

### Specific Gravity:

1.04 (Water = 1)

### Vapor Pressure:

0 kPa (@ 20°C)

### Vapor Density:

3.72 (Air = 1)

### Odor Threshold:

5.5 ppm

### Water/Oil Dist. Coeff.:

The product is more soluble in oil;  $\log(\text{oil/water}) = 1.1$

### Ionicity (in Water):

Not available.

### Dispersion Properties:

See solubility in water, diethyl ether, acetone.

### Solubility:

Soluble in diethyl ether, acetone. Partially soluble in cold water. Soluble in ethanol. Solubility in Benzene: > 10%

**Solubility in Water:** 35,000 mg/l @ 20 deg. C; 42,900 mg/l @ 25 deg. C

## SECTION 10: STABILITY AND REACTIVITY

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### Stability:

The product is stable.

### Instability Temperature:

Not available.

### Conditions of Instability:

Heat, ignition sources, incompatible materials

### Incompatibility with various substances:

Reactive with oxidizing agents, acids.

### Corrosivity:

Non-corrosive in presence of glass.

**Special Remarks on Reactivity:**

Benzyl alcohol contaminated with 1.4% hydrogen bromide and 1.2% of dissolved iron (II) polymerizes exothermally above 100 deg. C. Benzyl alcohol can extract and dissolve polystyrene plastic and may attack other plastics. Incompatible with aluminum, iron, steel

**Special Remarks on Corrosivity:**

Will attack some plastics.

**Polymerization:**

Will not occur.

**Section 11: Toxicological Information**

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**Routes of Entry:**

Absorbed through skin. Eye contact.

**Toxicity to Animals:**

Acute oral toxicity (LD50): 1040 mg/kg [Rabbit]. Acute dermal toxicity (LD50): 2000 mg/kg [Rabbit].

**Chronic Effects on Humans:**

MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to the following organs: liver, central nervous system (CNS).

**Other Toxic Effects on Humans:**

Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

**Special Remarks on Toxicity to Animals:**

Lethal Dose/Conc 50% Kill: LD50[Guinea Pig] - Route: Oral; Dose: 2500 mg/kg Lowest Published Lethal Dose/Conc: LDL[Rat]

- Route: Inhalation; Dose: 1000 ppm/8H

**Special Remarks on Chronic Effects on Humans:**

May affect genetic material (mutagenic). May cause adverse reproductive effects based on animal test data. No human data found at this point.

**Special Remarks on other Toxic Effects on Humans:**

Acute Potential Health Effects: Skin: Causes skin irritation, redness, pain. It may cause tissue injury. It may be absorbed through the skin with symptoms similar to that of ingestion. Eyes: Causes eye irritation, redness, pain. May cause eye injury.

**Eye contact produces immediate smarting, but there is no permanent injury if exposure is brief. Inhalation:** Mist or vapors cause respiratory tract (nose, throat), irritation. Symptoms may include coughing, shortness of breath. It may be absorbed into the blood stream with symptoms similar to ingestion. Ingestion: May be harmful if swallowed. Ingestion of large doses may cause abdominal pain, nausea, vomiting, diarrhea. It may affect behavior/central nervous system and cause headache, somnolence, excitement, dizziness, ataxia, coma, convulsions, and other symptoms of central nervous system depression. It may also affect respiration (paralysis of the respiratory center, respiratory depression, gasping respirations), cardiovascular system (hypotension). Chronic Potential Health Effects: Skin: Prolonged or repeated exposure may cause allergic contact dermatitis. Ingestion: Prolonged or repeated ingestion may affect behavior/central nervous system with symptoms similar to acute ingestion. It may also affect the liver, kidneys, cardiovascular system, and metabolism (weight loss).

**Section 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity:**

Ecotoxicity in water (LC50): 770 mg/l 48 hours [Fish (Pimephales promelas (Fathead minnow))]. 480 mg/l 72 hours [Fish (Pimephales promelas (Fathead minnow))]. 460 mg/l 96 hours [Fish (Pimephales promelas (Fathead minnow))]. 10 ppm 96 hours [Fish (Lepomis macrochirus (Bluegill sunfish))]. 15 ppm 96 hours [Fish (Menidia beryllina (tidewater silverside fish))].

**BOD5 and COD:**

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Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:**

The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation:**

Not available.

**Not available. Section 13: Disposal Considerations**

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**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Section 14: TRANSPORT INFORMATION**

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**DOT Classification:**

Not a DOT controlled material (United States).

**Identification:**

Not applicable.

**Special Provisions for Transport:**

Not applicable.

**15: OTHER REGULATORY INFORMATION**

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**Federal and State Regulations:**

Pennsylvania RTK: Benzyl alcohol Minnesota: Benzyl alcohol Massachusetts RTK: Benzyl alcohol TSCA 8(b) inventory: Benzyl alcohol

**Other Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):**

CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

**DSCL (EEC):**

R20/22- Harmful by inhalation and if swallowed. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**HMIS (U.S.A.):**

**Health Hazard:**

2

**Fire Hazard:**

2

**Reactivity:**

0

**Personal Protection:**

h

**National Fire Protection Association (U.S.A.):**

**Health:**

1

**Flammability:**

1

**Reactivity:**

0

**Specific hazard:****Protective Equipment:**

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

**SECTION 16: ADDITIONAL INFORMATION**

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