

# Safety Data Sheet

## InSol 88

Note: Read and understand Safety Data Sheet before handling or disposing of product

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### MATERIAL IDENTITY

Product Code and Trade Name: **InSol 88**  
Description: Mixture  
Product Use: Fluidity Enhancer

Manufacturer's Name and Address:  
Kosta Oil Field Technologies, Inc.  
12976 Sugar Ridge Boulevard  
Stafford, Texas 77477, U.S.A.

Telephone Numbers:  
TRANSPORTATION EMERGENCY in United States: INFOTRAC 800-535-5053  
TRANSPORTATION EMERGENCY International: INFOTRAC 352-323-3500 (May call collect)  
HEALTH EMERGENCY: 800-535-5053  
GENERAL MSDS ASSISTANCE: 281/568-8415  
TECHNICAL INFORMATION: 281/568-8415

### 2. HAZARDS IDENTIFICATION

#### PHYSICAL HAZARDS

**WARNING: COMBUSTIBLE LIQUID:** avoid open flames, sparks, direct sunlight, and heat sources.

#### POTENTIAL HEALTH EFFECTS

**Eyes:** Irritating to eyes.

**Skin:** Irritating to skin, may cause redness and dryness. Prolonged or repeated exposure to oxidized material may cause sensitization.

**Inhalation:** Inhalation of vapors or mist may cause dizziness and headache.

**Ingestion:** May cause gastric discomfort, nausea, and vomiting.

**Listed Carcinogens:** No constituents listed as human carcinogens by OSHA, ACGIH, NTP or IARC.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS	Weight %
Terpenes and Terpenoids, limonene fraction	65996-99-8	20 - 40
Fatty Acid Methyl Esters	67762-39-4	25 - 60
Proprietary surfactant blend	NA	3.0 - 5.0
Butoxy Ethanol	11-76-2	10 - 20

### 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Seek medical attention if breathing is difficult or if symptoms of over exposure occur.

**Ingestion:** DO NOT induce vomiting. Seek medical attention if symptoms of overexposure occur.

**Eyes:** Irrigate eyes with water for 20 minutes. Seek medical attention if irritation persists.

**Skin:** Remove contaminated clothing. Thoroughly wash affected area with soap and water. Seek medical attention if irritation persists.

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## 5. FIRE FIGHTING MEASURES

**Flammability** Combustible liquid.

**Extinguishing Media** Dry chemical, chemical foam, carbon dioxide.

Class BC, ABC fire extinguisher.

**Special Fire Fighting**

**Procedures**

Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

**Unusual Fire and**

**Explosion Hazard**

None.

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## 6. ACCIDENTAL RELEASE MEASURES

**Small spills** Always wear proper PPE when handling this product.

Do not allow product to enter drains or surface water.

Absorb with inert material and place in chemical waste container.

**Large spills** Always wear proper PPE when responding to a release of hazardous material.

Remove all ignition sources from affected area.

Contain spilled material, dike affected area to prevent spreading.

Do not allow product to enter drains or surface water.

Absorb with inert material and contain for disposal.

Observe government regulations for disposal of spilled material.

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## 7. HANDLING AND STORAGE

**Handling** Always wear proper PPE when transferring and using this product.

Avoid contact with skin.

Avoid exposure to mist or concentrated vapors.

Wash hands and any exposed skin thoroughly after use.

Transfer and use in areas that have adequate ventilation.

Prevent static discharge during transfer.

**Storage** Keep away from heat, sparks, and flame.

Keep container tightly sealed to prevent oxidation.

Store in original container.

Store in a cool ventilated area.

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## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**Exposure**

**Guidelines**

None established by OSHA or ACGIH.

**Ventilation** Provide general or local ventilation in work area.

**Respiratory**

**Protection**

Use NIOSH/MSHA approved respirator if ventilation is not sufficient to control vapors.

**Clothing/Gloves** Chemical resistant gloves should be worn while handling this product.

Refer to glove manufacturers' compatibility guide when selecting gloves.

DO NOT use latex or natural rubber gloves.

Provide safety shower in work area.

**Eye Protection** Safety glasses should be worn when handling this product.

Provide eyewash in work area.

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**9. PHYSICAL AND CHEMICAL DATA**

Physical State @ 20C liquid

Color light yellow

Odor characteristic

Flash Point >120°F (>49°C) (Pensky-Martens closed cup)

Boiling Point Not determined

Flam. Limits, LEL 0.7% (published data)

Flam. Limits, UEL 6.1% (published data)

Specific Gravity/temp 0.9 - 1.0@ 25°C

Solubility in water Partially soluble

pH Not applicable

Evaporation rate (BuAc=1) < 1

Vapor density (air=1) > 1

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**10. STABILITY AND REACTIVITY**

**Stability** This product is stable under recommended storage conditions.

**Conditions to Avoid** Excessive heat, sparks, open flames, direct sunlight.

**Incompatibility** Strong mineral acids and strong oxidizing agents.

**Hazardous**

**Decomposition Products** Oxidized forms of d-Limonene may cause sensitization by skin contact.

**Hazardous**

**Polymerization** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

No data available for this product. Data available for individual constituents is listed below:

**Acute toxicity** Terpenes (alpha/beta), LD50/oral/rat: 3500 mg/kg

d/l -Limonene LD50/oral/rat: >5000 mg/kg

**Chronic effects** No constituents listed as human carcinogens by OSHA, ACGIH, NTP or IARC.

**Sensitization:** Oxidized forms of d-Limonene may cause sensitization by skin contact.

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**12. ECOLOGICAL INFORMATION**

No data available for this product. The individual components of the product are toxic to aquatic organisms at levels under 10 mg/l.

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**13. DISPOSAL CONSIDERATIONS**

Dispose used wipe in a flameproof container. Do not allow used wipe to be exposed to excessive heat. Observe all applicable government regulations.

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**14. TRANSPORT INFORMATION**

**US DOT:** Non bulk containers: Exempt from regulation when shipped solely by land in containers less than 119 gallons.

**US DOT:** Bulk containers: UN1993, Flammable liquids, N.O.S. (Terpene hydrocarbons), 3, PG III

**IATA:** UN1993, Flammable liquids, N.O.S. (Terpene hydrocarbons), 3, PG III

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**15. REGULATORY INFORMATION**

**OSHA Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**TSCA:** All components listed.

**EPCRA Section 302:** This product contains no extremely hazardous substances.

**SARA (311/312) Reportable Hazard Categories:** Fire, acute health.

**SARA (313) Toxic Release Inventory:** No reportable components.

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**16. OTHER INFORMATION**

Emergency Contact: INFOTRAC 800-535-5053

**NFPA Codes:** Health: 1 Fire: 3 Reactivity: 0

KostaTech recommends that all exposures to this product be minimized by strictly adhering to recommended occupational controls and procedures to avoid any potential adverse health effects.

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