

# Kosta Oil Field Technologies (KostaTech)

## Safety Data Sheet (SDS)

### INSOL™ PPD

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

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

##### MATERIAL IDENTITY

Product Code and Trade Name: **InSol™ PPD**  
Description: Mixture  
Product Use: *Paraffin Inhibitor/Pour Point Depressant*

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

##### 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. HAZZARD IDENTIFICATION

##### EMERGENCY OVERVIEW

Appearance and Odor: Yellowish to brown clear liquid with rather pleasant smell.

##### WARNING STATEMENT

WARNING! FLAMMABLE LIQUID. MAY CREATE A FLASH FIRE HAZARD.  
MAY CAUSE IRRITATION TO EYES AND SKIN  
HARMFUL IF INHALED  
CAUSES RESPIRATORY TRACT IRRITATION  
HEATED PRODUCT MAY CAUSE DIZZINES AND DROWSINESS  
MAY CAUSE CHRONIC HEALTH-EFFECTS BASED ON ANIMAL DATA

Health:	2	HMIS		Health:	2	NFPA	
Flammability:	3	Reactivity:	0	Flammability:	3	Reactivity:	0
		Special:	-			Special:	-

##### POTENTIAL HEALTH EFFECTS

	EYE	SKIN	INHALATION	INGESTION
Primary Route of Exposure:	x	x	x	-

##### Effects of Overexposure

###### Acute:

###### Eyes:

May cause irritation, experienced as mild discomfort, seen as slight excess redness of the eye.

###### Skin:

Adverse effects are expected from absorption of material through the skin.

May cause irritation with discomfort and seen as local redness and possible swelling. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort.

**Inhalation:**

Vapors or mist may cause irritation of the nose and throat, Headache, nausea, vomiting, dizziness, drowsiness, euphoria, loss of coordination, and disorientation. In poorly ventilated areas or confined spaces, unconsciousness and asphyxiation may result.

**Ingestion:**

If swallowed, product may cause abdominal discomfort, nausea, and diarrhea may occur.

**Sensitization Properties:**

Un-known.

**Chronic:**

No adverse effects anticipated.

**Medical Conditions Aggravated by Exposure:**

Because of its irritating properties, repeated skin contact may aggravate an existing dermatitis (skin condition).

**Other Remarks:**

None

---

**3. COMPOSITION INFORMATION ON INGREDIENTS**

---

**Composition:**

Chemical/Common Name	CAS No.	Exposure Limit	Range in Vol. %
1st Main Ingredient: Poly-Alkyl Ester	Trade Secret	None Established	20-30
2nd Main Ingredient: Copolymer Ester	Trade Secret	None Established	15-25
3rd Main Ingredient: Xylene	1330-20-7	OSHA/100-150ppm	40-60

---

**4. FIRST AID MEASURES**

---

**Eyes:**

Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Get medical attention.

**Skin:**

Wash skin with plenty of soap and water until all traces of material are removed. Remove and clean contaminated clothing (See Other Instructions). Destroy non-resistant footwear. Get medical attention if skin irritation persists or contact has been prolonged.

**Ingestion:**

If more than several mouthfuls have been swallowed, give two glasses of water (16 oz.). Get medical attention.

**Inhalation:**

Remove to fresh air, If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may administer oxygen. Get immediate medical attention.

N.D. Not Determined

N.A. Not Applicable

N.T. Not Tested

**Other Instructions:**

Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

---

**5. FIRE-FIGHTING MEASURES**

---

Ignition Temp. Degrees F.: N.D. Flash Point Degrees F.: (Method): 85 °F (PMCC)  
Flammable Limits (%) Lower: N.D. Upper: N.D.

**Recommended Fire Extinguishing Agents And Special Procedures:**

According to NFPA guide, use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.

**Unusual or Explosive Hazards:**

None

---

**6. ACCIDENTAL RELEASE MEASURES (Transportation Spills Call: INFOTRAC 800-535-5053)**

---

**Procedures in Case of Accidental Release, Breakage, or Leakage:**

Ventilate area. Avoid breathing vapor. Use self-contained breathing apparatus or supplied air for large spills or confined areas. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes, or clothing.

---

**7. HANDLING AND STORAGE**

---

**Precautions to be Taken In Handling and Storage:**

Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**Protective Equipment (Type)****Eye/Face Protection:**

Chemical-type goggles or face shield are recommended to prevent eye contact.

**Skin Protection:**

Protective clothing such as uniforms, coveralls or lab coats should be worn. Launder or dry-clean when soiled. Gloves and boots resistant to chemicals and petroleum distillates required.

**Respiratory Protection:**

Airborne concentrations should be kept to lowest levels possible. If vapor, mist, or dust is generated, use respirator approved by MSHA or NIOSH as appropriate. Supplied air respiratory protection should be used for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. See below for applicable permissible concentrations.

**Ventilation:**

Adequate to meet recommended occupational exposure limits (see below)

**Exposure Limit for Total Product:**

None established; Recommend coal tar pitch volatiles (as benzene soluble) ACHIH-TLV/TWA - 0.2mg/m3.

N.D. Not Determined                      N.A. Not Applicable                      N.T. Not Tested

---

9. PHYSICAL AND CHEMICAL PROPERTIES

---

Appearance and Odor: Dark brown liquid with rather pleasant smell.

Boiling Point Range: 80 °C (typical)

Percent VOC: N.D.

Specific Gravity: 0.83 at 15.6 °C (H<sub>2</sub>O=1)

Vapor Density: N.D. Air-1

pH Of undiluted product: N.A.

Solubility in Water: Partly Soluble

Vapor Pressure: N.D.

Viscosity: 0.55 cp @ 75 °F

Other: Pour Point N.D.

---

10. STABILITY AND REACTIVITY

---

**This Material Reacts Violently With: (If others is checked below, see comments for details)**

Air	Water	Heat	Strong Oxidizers	Others	None of These
			Y		

Comments: Material is stable at elevated temperatures and pressures

**Products Evolved When Subjected to Heat or Combustion:**

Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

OCCUR DO NOT OCCUR

Hazardous Polymerization:

Y

---

11. TOXICOLOGICAL INFORMATION

---

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

**Median Lethal Dose (LD<sub>50</sub> LC<sub>50</sub>) (Species)**

Oral: Similar product 5 g/kg (rat); Causes headache, weakness, and dizziness.

Inhalation: N.D.

Dermal: Similar product 3 g/kg (rabbit); practically non-toxic

**Irritation Index, Estimation of Irritation (Species)**

Skin: Similar product 3.5/8.0 (rabbit): moderately irritating

Eyes: Similar product 7.7/110 (rabbit): slightly irritating

Sensitization: N.D.

---

12. ECOLOGICAL INFORMATION

---

This product, or any other known components of this product, has not caused skin cancer when applied to the skin of laboratory animals.

Persistence and degradability, Bio-accumulative potential, and Mobility in soil, have not been conclusively investigated yet.

Toxicological studies with fish and invertebrates are currently in progress.

---

13. DISPOSAL CONSIDERATIONS

---

This product has been evaluated for RCRA characteristics and does meet the criteria of a hazardous waste if discarded in its present form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

---

14. TRANSPORT INFORMATION

---

N.D.	Not Determined	N.A.	Not Applicable	N.T.	Not Tested
------	----------------	------	----------------	------	------------

## TRANSPORTATION

**DOT: PROPER BULK SHIPPING NAME:** Flammable Liquid, n.o.s. (Contains Xylene), Class 3, UN1993, PG III, RQ

**DOT: PROPER NON-BULK SHIPPING NAME:** Flammable Liquid, n.o.s. (Contains Xylene), Class 3, UN1993, PG III, RQ

**IMDG: PROPER SHIPPING NAME:** Flammable Liquid, n.o.s. (Contains Xylene), Class 3.3, UN1993, PG III

**ICAO: PROPER SHIPPING NAME:** Flammable Liquid, n.o.s. (Contains Xylene), Class 3, UN1993, PG III

**ADR/RID: PROPER SHIPPING NAME:** UN1307 Xylene Solution Class 3, 31©, ADR

-----  
15. REGULATORY INFORMATION  
-----**A. SARA TITLE III****Title III Section 311 Hazard Categorization:**

Acute Chronic Fire Pressure Reactive Not Applicable  
x x x

**B. WHMIS CLASSIFICATION**

NA

**C. MICHIGAN CRITICAL MATERIALS**

No Critical materials present.

-----  
16. OTHER INFORMATION  
-----

Emergency Contact: INFOTRAC 800-535-5053

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.

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF KOSTATECH'S PRODUCT SAFETY PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL KOSTATECH PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL KOSTATECH PRODUCTS YOU BUY, PROCESS, USE, OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, USER SHOULD CONSULT HIS LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. KOSTATECH DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.