

Kosta Oil Field Technologies (KostaTech)

Safety Data Sheet

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: **InSolSM DE Premium**
CAS No.: Confidential
Chemical Name and/or Family or Description: Confidential
Product Use: Polar Base De-emulsifier for Petroleum Industry

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: Water white to yellow clear liquid with rather pleasant smell.

WARNING! **WARNING STATEMENT**
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: 3 HMIS Reactivity: 0 Flammability: 3 Special: NA

POTENTIAL HEALTH EFFECTS

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

Effects of Overexposure

Acute:

Eyes:

May cause severe irritation of the eye.

Skin:

May cause severe skin irritation.

Inhalation:

Vapors or mist may cause irritation of the nose and throat, headache, nausea, vomiting or unconsciousness.

Ingestion:

Can be harmful.

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

Sensitization Properties:

Unknown.

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. %
Confidential	Trade Secret	None Established	60-90
Iso-propanol	67-63-0	None Established	10-40

Our hazard evaluation has identified the above chemical ingredient(s) as hazardous. One or more is being claimed as a trade secret under OSHA's Hazard Communication Rule, 29 CFR 1910.1200. Consult Section 14 for the nature of the hazard (s).

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.

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. °F:	N.D.	Flash Point °F: (Method):	58 °F (PMCC) ASTM D-93
Flammable Limits (%) Lower:	N.A.	Upper:	N.A.

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.

N.D. Not Determined

N.A. Not Applicable

N.T. Not Tested

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 recommended for preventing 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear, colorless to pale yellow viscous solution.

Boiling Point Range: N.D.

Percent VOC: N.D.

Specific Gravity: 1.00-1.05 at 15.6 °C (H₂O=1)

Vapor Density: >1 Air-1

pH (5%): 6-8 ASTM E-70

Solubility in Water: Soluble

Vapor Pressure: 46.5 mm Hg (0.9 psi) @ 100 °F ASTM D-323

Density: 8.3-8.7 lbs/gallon

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

N.D. Not Determined

N.A. Not Applicable

N.T. Not Tested

Products Evolved When Subjected to Heat or Combustion:

Toxic levels of carbon monoxide and carbon dioxide.

OCCUR DO NOT OCCUR

Hazardous Polymerization:

Y

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

Median Lethal Dose (LD50 LC50) (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.

Other:

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

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.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS

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

TRANSPORTATION

DOT:	PROPER SHIPPING NAME:	Flammable liquid, n.o.s. (Contains Iso-Propanol)
	HAZARD CLASS:	3 - Flammable liquid
	IDENTIFICATION NUMBER:	UN 1993
	PACKING GROUP:	III
	LABEL REQUIRED:	YES

IMDG:	PROPER SHIPPING NAME:	Flammable Liquid n.o.s.
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IATA:	PROPER SHIPPING NAME:	Flammable Liquid n.o.s.
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TDG:	PROPER SHIPPING NAME:	Flammable Liquid n.o.s.
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15. REGULATORY INFORMATION

The following regulations apply to this product.

FEDERAL REGULATIONS;

OSHA'S HAZARD COMMUNICATION RULE, 29 CER. 1910.1200:

N.D. Not Determined

N.A. Not Applicable

N.T. Not Tested

Based on our hazard evaluation, the following ingredient in this product is hazardous and the reason is shown below:

Isopropanol - Flammable, irritant

Isopropanol = TWA 400 ppm, STEL 500 ppm ACGI/TLV
983 mg/m³, 1230mg/m³ ACG/TLV

Isopropanol» TWA 400 ppm, STEL 500 ppm OSHA/PEL
\$80 mg/m³, 1225 mg/m³ OSHA/PEL

CERCLA/SUPERFUND, 40 CFR 117, 302:

Notification of spills of this product is not required.

SARA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986

(TITLE III) - SECTIONS 302, 311, 312, AND 313.

SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355);

This product does not contain ingredients listed in Appendix A and B as an Extremely Hazardous Substance. SECTION 311 AND 312 - MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 370);

Our hazard evaluation has found this product to be hazardous. The product should be reported, under the following EPA hazard categories:

XX Immediate (acute) health hazard

- **Delayed** (chronic) health hazard

XX Fire hazard

- Sudden release of pressure hazard

- Reactive hazard

Under SARA 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are; 500 pounds or the threshold planning quantity (TPQ);, whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous Chemicals.

SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFR 372);

This product does not contain ingredients on the List of Toxic Chemicals.

TOXIC SUBSTANCES CONTROL ACT (TSCA):

The chemical ingredients in this product are on the 8 (b) Inventory List (40 CFR 710).

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 OPR 261 SUBPART C & D;

Consult Section 11 for RCRA classification.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401 J 5 (formerly Sec. 307), 40 CFR 116 (formerly Sec. 311);

None of the ingredients are specifically listed.

CLEAN AIR ACT, Sec. 111 (40 CFR 60), Sec. 112 (40 CFR 61, 1990 Amendments),

Sec. 611 (40 CFR 82, CLASS I AND II Ozone depleting substances);

This product contains the following ingredients covered by the Clean Air Act:

Isopropanol - Section HI

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

This product does not contain any chemicals which require warning under California Proposition 65.

MICHIGAN CRITICAL MATERIALS:

This product does not contain ingredients listed on the Michigan Critical Materials Register.

STATE RIGHT TO KNOW LAWS:

Regulated in those states using the TLV for Isopropanol as a criteria for listing.

INTERNATIONAL REGULATIONS:

This is a WHMIS controlled product under The House of Commons of Canada Bill C-70 (Class B3 and Class **D2B**), FOR TRANSPORTATION EMERGENCY **ASSISTANCE**, CALL INFOTRAC 800-535-5053

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.

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