

Issue Date: 4/08/99

## MATERIAL SAFETY DATA SHEET

### I. Product Identification

Product Name: TOPEIN®S Emulsions

Chemical Name: Emulsion of blended organic esters, surfactants, and water

CAS Number: Mixture. See Section 3 – Regulatory Information

Chemical Formula: Not applicable (see Section II)

Manufacturer: Paramount Petroleum Bakersfield  
1201 China Grade Loop  
Bakersfield, CA. 93308  
(661) 392-3630

Emergency Contact: Phone: (602) 840-7702  
Fax: (602) 840-3697

### II. Hazardous Ingredients

Component	CAS	Approx wt %	ACGIH TLV	OSHA PEL
TOPEIN® (Sterol esters of C <sub>18</sub> and C <sub>20</sub> organic acids)	8016-81-7	42-48	None established	None established
Nonylphenol Polyethylene Glycol Ether Surfactant	Mixture	Proprietary	None established	None established
Hydrochloric acid	7647-01-0	<.25	7.5 mg/m <sup>3</sup>	7 mg/m <sup>3</sup>
Water	7732-18-5	Approx 50	N/A	N/A

#### Hazardous Materials Identification System (HMIS)

Health	Flammability	Reactivity
1	0	0

(Least = 0, Slight = 1, Moderate = 2, High = 3, Extreme = 4)

### III. Physical Data

Appearance and odor	Beige emulsion with bland odor
Molecular weight	Not applicable (mixture)
Boiling point	> 212 F
Melting point	Not available
Vapor pressure (torr)	Not available
Vapor density (air = 1)	Not available
Water content	Approximately 50% by weight
Evaporation rate	Not available
pH	6-8
Sp. Gravity (water = 1)	1.00 – 1.008

#### Fire and Explosion Data

Flash point	Not available (> 200 F)
Flammable limits	LEL Not determined UEL Not determined
Extinguishing media	Dry chemical, foam, carbon dioxide
Unusual fire and explosion hazards	None
Special fire fighting procedures	Avoid bodily contact. Use self-contained breathing apparatus in enclosed areas.
Hazardous combustion	Carbon dioxide and carbon monoxide.

#### IV. Reactivity Data

Stability	Stable
Conditions to avoid	Stable at normal storage conditions
Incompatibilities (Materials to avoid)	Strong oxidizing agents; strong bases
Hazardous decomposition products	None known
Hazardous polymerization	Will not occur

#### V. Health Hazard Information

Exposure from routine use	This product is not hazardous under normal conditions of use.
Probable routes of exposure	Skin, eyes, ingestion, inhalation
Emergency first aid	GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE <u>Skin</u> : Flush thoroughly with large amounts of water; wash with soap and water. <u>Eyes</u> : Flush thoroughly with water for at least 15 minutes <u>Inhalation</u> : Remove to fresh air. Give artificial respiration if breathing has stopped. <u>Ingestion</u> : Do not induce vomiting. If conscious, dilute by drinking large quantities of water; get medical attention. Never give anything by mouth to an unconscious person.
Acute effects	Corrosive material. Can cause irritation to skin, eyes, and mucous membranes.
Chronic effects	Repeated or prolonged exposure to liquid, vapor or mist may cause irritation in eyes, nose, mouth and/or throat.
Toxicity	No ingredients are listed by IARC, NTP, or OSHA as cancer causing agents.

#### VI. Ecological Information

Ecotoxicity	TOPEIN® (CAS 8016-81-7)
	Acute fish toxicity (Zebra) LC50 (96 h) > 400 mg/l
	Growth inhibition studies (fresh water algae) EC50 (72 h) > 1000 mg/l
	Immobilization studies (Daphnia magna) EC50 (48 h) > 2000 mg/l
	Biodegradable

TOPEIN®S Emulsion

Acute fish toxicity (fathead minnow)

LC50 (96h) > 750 mg/l

## VII. Special Protection Information

Personal Protective Equipment	Eye protection: face shield with chemical safety goggles Protective gloves: rubber Respiratory protection: none required under normal conditions of use Other protective equipment: none
Ventilation	No additional ventilation required
Handling and Storing	Avoid skin and eye contact. Do not swallow.

### Spill or Leak Procedures

Steps to be taken in case of release or spill	Avoid skin contact. Use personal protective equipment as described above. Confine spillage and eliminate releases source if this can be done without risk. Spills of this material may trigger the emergency release reporting requirements. Dispose of all waste in accordance with federal, state, and local regulations.
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### Regulatory Information

This product is a mixture. Ingredients of this product are on the TSCA inventory. This mixture contains hydrochloric acid (CAS # 7647-01-0, <1.0%), which is subject to the reporting requirements of section 313 of SARA title III and 40 CFR Part 373. This product or any known constituent are not on California Prop 65 list.

## VIII. Comments

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. PARAMOUNT PETROLEUM BAKERSFIELD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THE INFORMATION AND DATA HEREIN. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. Paramount Petroleum Bakersfield will not be liable for claims relating to any party's use or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.