



24 Madison Road, Fairfield, New Jersey 07004, USA
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,
email: info@jeen.com , Website: www.jeen.com

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name: JEEN INTERNATIONAL CORPORATION
24 MADISON ROAD
FAIRFIELD, NJ 07004
TEL.# 973-439-1401

Chemtrec Emergency Telephone No.: 800-424-9300
*Chemtrec Int'l Telephone No.: 703-527-3887
*(Collect Calls Accepted)

Material Name: **JEECHEM OP**

SECTION 2- COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients are listed if they comprise $\geq 1.0\%$ by weight. " Special Hazardous Substances or Carcinogens" are listed if they comprise $\geq 0.1\%$ by weight

Exposure Limits:

Product & Composition / Approx. CAS REG No.	Wgt. %	ACGIH TLV TWA	OSHA PEL STEL	TWA	STEL	Units
Non-Hazardous Components						
Hexadecanoic acid, 2-ethylhexyl ester 29806-73-3	100	None	None	None	None	ppm

SECTION 3- HAZARDS IDENTIFICATION

Emergency Overview

No unusual safety, fire, or spill hazards. Consult following MSDS sections for further information

Effects From Acute Exposure

Ingestion: None Known
Skin Contact: Non-Irritating to Skin
Inhalation: None Known
Eye Contact: May cause minimal eye irritation
Medical Conditions Aggravated:

None Known

Subchronic (Target Organ) Effects:

An adverse effect with symptoms that develop slowly over a long period of time.
None Known

Chronic Effects / Carcinogenicity: Not listed in IARC, NTP or 29 CFR

Products / Ingredients: The ingredients that are carcinogens are listed here, with specific information about their carcinogenicity.

None

Principle Routes of Exposure: Inhalation Eyes. Dermal - skin

Other: None Known

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SECTION 4- FIRST AID MEASURES

Ingestion: If vomiting occurs, keep head lower than hips to prevent aspiration.
Skin: For skin contact, wipe away excess material with dry towel. Then wash affected areas with plenty of water, and mild soap if available, for several minutes. Get medical attention if irritation occurs.
Inhalation: Move person to fresh air
Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Note to Physician: Treatment based on sound judgment of physician and individual reactions of patient.

SECTION 5- FIRE FIGHTING MEASURES

Flash Point: 223 deg. C
Method: The test method used is listed as closed cup (PMCC TCC) or open cup (COC): COC
Flammable Limits in air – Upper (%): Maximum % by volume of vapor in air above which propagation of flame does not occur
on contact with a source of ignition: Unknown
Sensitivity to Mechanical Impact (Y/N): No
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical
Special Firefighting Procedures: Containers can build up pressure if exposed to heat (fire). Vapors may form ignitable mixture with air.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Wash walking surfaces with detergent and water to reduce slipping hazard. Large quantity spills should be contained and pumped into drums for recovery or disposal. Wipe, scrape or soak up in an inert material and put in a container for disposal.

SECTION 7- HANDLING AND STORAGE

Precautions to be taken in Handling and Storage: Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Recommended storage in original container below 40 deg. C (105 deg. F).

NFPA: Health: 0 Flammability: 1 Reactivity: 0 Other: NA
HMIS: Health: 0 Flammability: 1 Reactivity: 0 PPE: B

SECTION 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: None required under normal conditions
Respiratory Protection Equipment: None required under normal conditions
Protective Gloves: Use gloves as a standard industrial handling procedure.
Eye and Face Protection: Wear safety glasses or goggles to protect against exposure.
Other Protective Equipment: Wear clean, body-covering clothing
Ventilation: None Known



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SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	198 deg. C @ 10 mmHg
Vapor Pressure:	Unknown
Vapor Density (Air=1):	NA
Freezing Point:	Unknown
Melting Point:	< -2 deg. C
Physical State:	Liquid
Odor:	Essentially Odorless
Color:	Colorless-Clear
Odor Threshold (PPM):	Unknown
% Volatile by Volume:	NA
Evap. Rate (Butyl Acetate=1):	Negligible
Pounds/Gallon (Water=8.3):	7.11 – 7.16 lbs/gal
Density @ 25 deg. C (Water=1):	0.85 – 0.86
Acid / Alkalinity (MEQ/G):	0.5 typical
pH:	ND
Voc (EPA METH.24) (G/L):	Unknown
Solubility in Water (20 deg. C):	Insoluble in Water
Solubility in Organic Solvents:	Mineral Oil
Viscosity:	Low

SECTION 10- STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Thermal Decomposition / Combustion Products:	None Known
Incompatibility (Materials to Avoid):	None Known
Conditions to Avoid:	None Known

SECTION 11- TOXICOLOGICAL INFORMATION

Acute Oral LD50 (MG/KG):	>64,000 mg/kg (rat)
Acute Dermal LD50 (MG/KG):	Non-Toxic, no apparent dose response found
Acute Inhalation LC50 (MG/L):	>200 MG.L/1Hr (rat)
Ames Test:	Negative
Other:	Non-irritating to skin (rbt), minimally irritating to eye (rbt). Non-sensitizing to skin (rbt). Tested as Non-Comedogenic. CIR Compendium conclusion: "safe as a cosmetic ingredient in the present practices of use and concentration". ERECS Number (RTN): RT4740000

SECTION 12- ECOLOGICAL INFORMATION

Exotoxicological Information:	No data at this time
Chemical Fate Information:	No data at this time



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SECTION 13- DISPOSAL CONSIDERATION

Disposal Method: As local regulations may vary, all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

SECTION 14- TRANSPORT INFORMATION

DOT Shipping Name: Fatty Acid Ester
DOT Hazard Class: Non-Regulated
DOT Label (s): None
UN / NA Number: None
Placards: None

International Transportation Classifications

RID (OCTI), European Railroad Hazard Class: Not Available
RAR (IATA), European Air Hazard Class: Not Available
IMDG, Maritime Dangerous Goods Code: None

SECTION 15- REGULATORY INFORMATION

TSCA Status: All components of this product are listed on the TSCA Inventory.
SARA Section 302: None found
SARA (311,312) Hazard Class: None
SARA (313) Chemicals: This product does not contain a toxic chemical for routine annual ' Toxic Chemical Release Reporting' under Section 313 (40 CFR 372)
CERCLA Hazardous Substance: Not a listed EHS
CERCLA Reportable Quantity: No listed reportable quantity
California Proposition 65: None

International Regulatory Status:

Canadian (DSL) Inventory: Listed on DSL
WHMIS Hazard Class: Non-Controlled
WHMIS Trade Secret: None

Export

Schdle B / HTSUS: (Tariff Classification #) 2915.70.0010 (palmitic acid ester)
ECCN: (Export Commodity Control Number) Not Available

EINECS Inventory Status: EINECS No. 249-862-1



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SECTION 15- REGULATORY INFORMATION continued.....

EC Labeling Requirements

EC Required Symbol (s):	None Required
EC Safety Phrases:	None Required
EC Risk Phrases:	None Required

Korean (ECL) Inventory Status:	ECL Serial No. KE-13809
Japanese (MITI) Inventory Status:	ENCS No. 2-798X
Australian (AICS) Inventory Status:	Listed on AICS
Philippines (PICCS) Inventory:	All components are listed on PICCS
Chinese Inventory Status:	Not Available

SECTION 16- OTHER INFORMATION

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

SECTION 17- HAZARD ASSESSMENT

Hazard Assessment Information:	None
Same as another existing product:	Unknown
Other Information:	None