



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

JEEN International Corporation urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in the MSDS.

To promote safe handling, each customer or recipient should: 1.) Notify its employees, agents, contractors and others whom it knows or believes will use this material of the information in this MSDS and any other information regarding hazards or safety; 2.) Furnish this same information to each of its customers for the product, and 3.) Request its customers to notify their employees, customers and other uses of the product of this information.

Section 1 – Company and Product Identification

Issued by: JEEN International Corporation Effective Date: 9/15/99
24 Madison Road
Fairfield, NJ 07004
Telephone # 973-439-1401
Chemtrec Emergency Telephone Number: 800-424-9300
Chemtrec International Telephone Number: 703-527-3887 (Collect Calls Accepted)

Trade Name: **JEECOL CS-20-D**
Chemical Name: Cetyl/Stearyl Alcohol and Ethoxylated (20 moles) Cetyl/Stearyl Alcohol
Chemical Family: Fatty Alcohol and Ethoxylated Fatty Alcohol
Formula: Not applicable
Synonym:
INCI Name: Cetearyl Alcohol (and) Ceteareth-20

Section 2 – Composition Information

Component	CAS Number	Amount
Alcohols, C16-18	67762-27-0	> = 66. < = 76. %
C16-18 fatty alcs., ethoxylated	68439-49-6	> = 24. < = 34. %

Section 3 – Hazards Identification

Emergency Overview:

Appearance: Transparent colorless above freezing/melting point – opaque white below freezing/melting point.
Physical State: Liquid above freezing/melting point – solid below freezing/melting point
Odor: Mild waxy
Hazards of Product: **CAUTION!**
Static ignition hazard can result from handling and use. Plastic Bag or Line, if present may cause Static ignition hazard.

Potential Health Effects:

Effects of Single Acute Overexposure

Inhalation: Short term harmful health effects are not expected from vapor generated at ambient temperature.
Eye Contact: May cause mild discomfort. Excess redness of the conjunctiva may occur. Effects may last for a few hours.
Skin contact: May cause prolonged mild local redness by sustained contact on abraded skin. Effects may last for a few hours.
Skin Absorption: No evidence of harmful effects from available information.
Swallowing: Abdominal discomfort, nausea and vomiting may occur.

Chronic, Prolonged or Repeated Overexposure

Effects of Repeated Overexposure: No adverse effects anticipated from available information.
Other Effects of Overexposure: None currently known.

Medical Conditions Aggravated by Exposure

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

Potential Environmental Effects

See Section 12 for Ecological Information.



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Section 4 – First Aid Procedures

Inhalation: No emergency care anticipated
Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses, if worn.
Skin Contact: Wash skin with soap and water.
Swallowing: If patient is fully conscious, give two glasses of water. Induce vomiting. This should be done only by medical or experienced first-aid personnel. Obtain medical attention.
Notes to Physician: There is no specific antidote. Treatment of overexposure should be directly at the control of symptoms and the clinical condition of the patient.

Section 5 – Fire Fighting Measures

Flammable Properties:
Flash Point – Closed Cup: No currently available.
Flash Point – Open Cup: Cleveland Open Cup (ASTM D92-66): 193.3°C 380°F
Autoignition Temperature: No currently available.
Flammable Limits in Air: Lower: Not determined. Upper: Not determined.
Extinguishing Media: Use water spray, carbon dioxide, dry chemical alcohol-type or universal-type foam applied by manufacturer's recommended techniques.
Extinguishing Media to Avoid: No information currently available.
Special Fire Fighting Procedure: Do not direct a solid stream of water or foam into burning material; this may cause scattering and spread the fire.
Special Protective Equipment For Fire Fighters: Use self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: Static ignition hazard can result from handling and use. Electrically bond and ground all containers, Personnel and equipment before transfer or use of material. Use proper bonding and grounding during product transfer as described in National fire Protection Association Document NFPA 77. See Section 8 – Engineering Controls.
Hazardous Combustion Products: Burning can produce the following products: Carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentration can act as an asphyxiant.

Section 6 – Accidental Release Measures

Steps to be taken if Material is Released or Spilled: Collect and dispose. Observe government regulations.
Personal Precautions: Wear suitable protective equipment. See Section 8 – Personal Protection.

Section 7 – Handling and Storage

General Handling: Electrically bond and ground all containers, personnel and equipment before transfer or use of material.
Maintain proper grounding at all times.
Do not handle or empty bag or liner in presence of flammable vapor.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

FOR INDUSTRY USE ONLY.

Ventilation: General (mechanical) room ventilation is expected to be satisfactory.

Storage: Storage and Handling Instructions: Store at ambient conditions. Do not store above 90°F (32 °C). Excessive heat may cause caking. Mix well before using.



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Section 8 – Exposure Controls and Personal Protection

Exposure Limits: None established by OSHA or ACGIH.
 Personal Protection: Respiratory Protection: None expected to be needed.
 Ventilation: General (mechanical) room ventilation is expected to be satisfactory.
 Eye Protection: Safety Glasses.
 Protective Gloves: Rubber
 Other Protective Equipment: Eye Bath, Safety Shower
 Engineering Controls: Process Hazard: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under vacuum may result in ignitions without the presence of obvious ignition sources. Published “auto-ignition” or “ignition” temperature values cannot be treated as safe operating temperature in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Further information is available in a technical bulletin entitled “ignition Hazards of Organic Chemical Vapors.”

Section 9 – Physical and Chemical Properties

Physical State: Liquid above freezing /melting point – solid below freezing/melting point.
 Appearance: Transparent colorless above freezing/melting point – opaque white below freezing/melting point.
 pH: Not currently available.
 Solubility in Water (by Weight): Dispersible.
 Odor: Mild waxy.
 Flash Point – Open cup: Cleveland Open Cup (ASTM D92-66) 193.3°C 380°F
 Boiling Point(760 mm Hg):204.4°C 400°F
 Freezing Point: Not determined
 Specific Gravity (H2O = 1): 0.9 65°C / 20°C
 Vapor Pressure @ 20°C: < 0.1 kPa < 1 mm Hg
 Vapor Density (air=1): Not determined.
 Melting Point: 47 – 55 °C 117 – 131 °

Section 10 – Stability and Reactivity

Stability/Instability: Stable
 Conditions to Avoid: Strong oxidizing agents.
 Incompatible Materials: Concentrated nitric or sulfuric acid.
 Hazardous Polymerization: Will Not Occur.
 Inhibitors/Stabilizers: Not applicable.

Section 11 – Toxicological Information

None known from currently available information

Section 12 – Ecological Information

Environmental Fate

BOD (% Oxygen consumption)

	Day 5	Day 10	Day 15	Day 20	Day 30
	40 %	66 %		91 %	

Ecotoxicity: Toxicity to Micro-organisms: Bacterial/NA IC50 > 5000 mg/l
 Toxicity to Aquatic Invertebrates: Daphnia LC50 > 1000 mg/l
 Toxicity to Fish: Fathead Minnow LC50 > 1000 mg/l

Further Information: Carbonaceous carbon (COD) 3.59 mg/mg

Section 13 – Disposal Considerations

Waste Disposal Method: Follow all Federal, State and Local regulations for non-hazardous waste disposal. Dispose in accordance with all applicable Federal, State and Local environmental regulations. Empty containers should be recycled or disposed of through an approved waste management facility.
 Disposal Considerations: Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permissible under applicable rules, regulation and/or laws governing your locations.



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Section 14 – Transport Information

U.S. D.O.T.

NON-BULK Proper Shipping Name: Not Regulated.

BULK Proper Shipping Name: Not Regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15 – Regulatory Information

Federal /National

Comprehensive Environmental Response, Compensation and Liability Act of 1980 Section 103 (CERCLA):

The following components of this product are specifically listed as hazard substances in 40 CFR 302.4 (unlisted hazardous substances are not identified) and are present at levels which could require reporting: NONE

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Sections 302 and 304:

The following components of this product are listed as toxic chemical sin 40 CFR 372.65 and are present at levels which could require reporting and customer notification under Section 313 and 40 CFR Part 372: This product does not contain toxic chemicals at levels which require reporting under the statute.

Superfund Amendments and Reauthorization Act 1986 (SARA) Title III Sections 311 and 312:

Delayed Hazard: No

Fire Hazard: No

Immediate Health Hazard: No

Reactive Hazard: No

Sudden Release of Pressure Hazard: No

Toxic Substances Control Act (TSCA)

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

State/Local

Pennsylvania (Worker and Community right-To-Know Act)

This product is subject to the Worker and Community Right-to-Know Act. The following components of this product are at levels which could require identification in the MSDS: NONE

Massachusetts (Hazardous Substances Disclosure by Employers)

The following components of this product appear on the Massachusetts Substance List and the present at levels which could require identification in the MSDS: NONE

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

California SCAQMD Rule 443.1 (South Coast Air Quality Management District Rule 443.1, Labeling of Materials Containing Organic Solvents)

VOC: Not applicable

This section provides selected regulatory information on this product including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules; regulations and laws relating to the product being used.

Section 16 – Other Information

Available Literature and Brochures: Additional Information: There may be additional product safety information on this product, which may be obtained by calling a JEEN International Sales or Customer Service Representative.

Specific Hazard Rating System: HMIS Ratings for this product are: H-1 F-1 S-0

These ratings are part of specific hazard communications program(s) and should be disregarded where individuals are not trained in the use of these hazard rating systems. You should be familiar with the hazard communication applicable to your workplace.

Recommended Uses and Restrictions: For Industry Use Only

Revision Date: 9/15/1999

Legend: T/S Trade Secret N/A Not Available W/M Weight/Weight

The opinions expressed herein are those of qualified experts. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and conditions of the use of the product are not under the control of JEEN International Corporation, it is the user's obligation to determine conditions on safe use of the product.