



24 Madison Road, Fairfield, New Jersey 07004, USA  
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email: [info@jeen.com](mailto:info@jeen.com), Website: [www.jeen.com](http://www.jeen.com)

## MATERIAL SAFETY DATA SHEET

### Section 1 – Company and Product Identification

Issued by: JEEN International Corporation  
24 Madison Road  
Fairfield, New Jersey 07004  
Tel#: 973-439-1401

Chemtrec Emergency Tel#: 800-424-9300  
\*Chemtrec International Emergency Tel#: 703-527-3887  
(\*Collect Calls Accepted)  
Latest Revision Date: November 28, 2005

Product Trade Name: **JEENATE 5H**  
Chemical Description: Ethene homopolymer  
CAS Number: 9002-88-4  
INCI: Polyethylene  
Health (NFPA): 0 Flammability (NFPA): 1 Reactivity (NFPA): 0 Protective Equipment: B

### Section 2 – Hazardous Ingredients

This material contains no ingredients which are known to JEEN International Corp. to be hazardous unless listed below.

| CAS Number  | Ingredients | Wt% | Exposure Limits |
|---|-------------|-----|-----------------|
| None as defined under the U.S. OSHA Hazard Communication Standard (29 C.F.R. § 1910.1200) or the Canadian Hazardous Products Act [S.C. 1987, c.30 (Part 1)] |             |     |                 |

### Section 3 – Physical Data

Specific Gravity @ 60°F: 0.92 – 0.94  
Volatility: Nil  
Vapor Pressure: Not determined  
Solubility in Water (%): Insoluble  
Appearance @ 25°C: White solid.  
Odor: Little or no odor.  
Flash Point, COC (ASTM D-92): > 175 °C / 350 °F  
Melting Point: 83 - 90 °C

### Section 4 – Fire and Explosion Hazard Data

Flash Point: > 350°F Flammable Limits: Not available  
Flash Method: COC ASTM D-92  
Extinguishing Media: Use water spray or fog, alcohol-type foam, dry chemical, or CO<sub>2</sub>.  
Fire Fighting Procedures: Use a self-contained breathing apparatus with full face piece operate in pressure-demand or other positive pressure mode. Non-flammable. Keep fire-exposed containers cool using water spray.  
Unusual Fire and Explosion Hazards: When finely divided and suspended in air, this product could be flammable. Under these circumstances, keep away from heat, sparks and open flames. Use adequate ventilation and ground all equipment.

As with most solid or particulate organic materials, extremely high dust concentration in air may result in a potential explosion hazard. Use good housekeeping to prevent significant solids accumulation.

### Section 5 – Health Hazard Data

Inhalation: Not expected to be a problem under normal conditions of use. When finely divided, inhalation of dust may cause irritation of mucous membrane and respiratory tract. OSHA permissible exposure limit (PEL-TWA) and ACGIH threshold limit value (TLV-TWA) for respirable dust: 5 mg/m<sup>3</sup>. Total nuisance dust OSHA PEL-TWA: 15 mg/m<sup>3</sup>; total dust ACGIH TLV-TA: 10 mg/m<sup>3</sup>. If heated to decomposition, fumes generated may result in respiratory irritation. ACGIH exposure limit for paraffin wax fume is a TLV-TWA of 2 mg/m<sup>3</sup>.

Skin and Eye Contact: Not expected to be a problem under normal conditions of use. May produce mild irritation on prolonged contact with skin or eyes. Not expected to be absorbed through the skin in significant quantities. The cool solid material is not expected to cause skin or eye irritation; however, contact with molten material may result in thermal burns.



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## MATERIAL SAFETY DATA SHEET

Page No. 2 of 3 – MSDS – JEENATE 5H

### Section 5 – Health Hazard Data Continued...

Ingestion: May be harmful if swallowed. May cause gastrointestinal disturbances.

### Emergency and First

Aid Procedures: Wash skin thoroughly with soap and water. Launder clothing before reuse. If in eyes, irrigate with flowing water immediately and continuously for fifteen minutes. Consult a physician. If inhaled, remove to fresh air and administer oxygen if necessary. If ingested, consult a physician. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention for thermal burns.

### Section 6 – Reactivity Data

Stability: Stable  under Normal conditions of storage and use. Unstable   
Incompatibilities (Materials to Avoid): Keep away from strong oxidizing agents  
Hazardous Decomposition Products: None known.  
Hazardous Polymerization: May occur  Will not occur   
Conditions to Avoid: See above statements.

### Section 7 – Spill, Leak and Disposal Procedures

Action to take for spills: (Sweep up material and place in appropriate disposal container. Use sweeping compound or other cleaning aids to pick up residues. Wash down area thoroughly with water. Use appropriate personal protective equipment as necessary. If liquid is hot, attempt to confine spill and let the liquid solidify. Once solid, the product may be recovered as any other solid material.

Disposal Method: Secure container and take to an approved waste disposal site. Dispose of residues in accordance with applicable Local, State and Federal Regulations.

### Decontamination

Procedures: Not applicable.

### Section 8 – Special Protection Information

Respiratory Protection: Respirator use is not expected to be necessary under normal conditions of handling. In emergency situations, use of a NIOSH-approved respirator may be required.

Ventilation: General ventilation should be provided to maintain ambient concentrations below nuisance levels.

Protective Clothing: Chemical-resistant gloves and chemical goggles should be used to prevent skin and eye contact.

### Section 9 – Storage and Handling

Packaged material (boxes, bags) should be stored in conditions that avoid extremes of temperature. The shelf life of the products depends on storage conditions and intended uses; properties such as melting point, viscosity, and penetration will remain stable for over one year. The color of the products, especially white waxes, may darken slightly after two or three months under certain conditions. Care must be taken to avoid overheating the molten wax and causing oxidation of the product. Care must be taken to avoid overheating the molten wax and causing oxidation of the product. Care must also be taken to avoid skin contact with the molten wax, which will cause thermal burns. Good hygiene practices should always be followed when handling the material.

### Section 10 - Toxicological Effects

There are no known toxicological effects.

### Section 11 - Ecological Information

This product would not be expected to cause damage to the environment. It would be expected to biodegrade slowly, depending upon the conditions to which it is exposed. Under OECD Method 301D, the biodegradability is less than 25% after 5 days.



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MATERIAL SAFETY DATA SHEET

Page No. 3 of 3 – MSDS – JEENATE 5H

Section 13 - Disposal Considerations

Surplus or waste residues of this product should be placed in a suitable waste container and taken to an approved waste disposal site. Dispose of all surplus or waste residues in accordance with applicable waste management regulations.

Section 14 – Transportation Information

|                |                |                    |                |
|----------------|----------------|--------------------|----------------|
| UN Number:     | Not hazardous* | IMDG Page Number:  | Not applicable |
| UN Class:      | Not applicable | TREMCARD Number:   | Not applicable |
| ADR/RID Class: | Not applicable | IFAG Table Number: | Not applicable |
| EmS Number:    | Not applicable |                    |                |

\*For material shipped at or above 100°C and below its flash point, the following UN class, number applies: Hazard Class 9, PG III, ID#: 3257

Section 15 – Regulatory Information

EC Classification: Not classified under 67/548/EEC

Hazard Symbol: None      Risk Phrases: None      Safety Phrases: None

This product has no status under food additive regulations. This product does not contain any chemicals listed in Section 313 of the Superfund Act and Reauthorization Amendment (SARA 313) or the Clean Air Act Amendments (CAA). No ozone-depleting chemicals are contained or used in the manufacture of this product.

Section 16 – Other Information

Health (NFPA): 0      Flammability (NFPA): 1      Reactivity (NFPA): 0      Protective Equipment: B

These data are offered in good faith as typical values and not as a Product Specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable; however, each user should review these recommendations in the specific context of intended use and determine whether they are appropriate.