

MATERIAL SAFETY DATA SHEET

THE HALLSTAR COMPANY

Section 1 - Identification of Substance and Company

Product Name: SpectraSolv[®] DMDA

Product Code: 4420

Chemical Name: Dimethyl Capramide

Supplier: The HallStar Company ⁽¹⁾
120 S. Riverside Plaza Suite 1620
Chicago, IL 60606 PH: 877-427-4255
USA

HMIS
Health: 2
Flammability: 1
Reactivity: 0
Gloves & Safety Glasses

Information: (908) 852-6128

Emergency : CHEMTREC - (800)424-9300

Section 2 - Information on Ingredients

| <u>Chemical Name</u> | <u>CAS #</u> |
|------------------------|--------------|
| N,N-Dimethyldecanamide | 14433-76-2 |

Section 3 - Hazard Identification

Appearance/Odor: Clear light yellow liquid; mild odor.

Potential Health Effects (based on similar compound)

Skin Contact: May cause moderate to severe erythema.

Eye Contact: May cause severe eye irritation.

Ingestion: May cause mucosal irritation.

Inhalation: Inhalation of fumes or aerosolized material may cause mucosal irritation.

Section 4 - First Aid Measures

Skin Contact: Promptly wash affected skin with soap and water. If drying occurs a topical lotion should be applied.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. If irritation persists, consult a physician.

Ingestion: Rinse mouth and seek medical attention.

Inhalation: Person should be moved to a fresh air environment.

Section 5 - Explosion and Fire-Fighting Measures

Flash Point: 120°C (COC)

Extinguishing Media: CO₂, Dry Chemical, Water Fog

Special Fire-Fighting Procedures: A MSHA/NIOSH approved self contained breathing apparatus should be worn. Use water spray to cool fire-exposed containers.

Unusual Fire and Explosion Hazards: Water may cause frothing.

Section 6 - Accidental Release/Spill Procedures

Steps to be Taken in Case Material is Released or Spilled: Dike and contain the spill with inert material (ie: sand, earth, sawdust) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

Section 7 - Handling and Storage

Any use of this product in an elevated process, should be evaluated to establish and maintain safe operating procedures. Containers should be kept tightly closed and stored in a dry well-ventilated place.

Section 8 - Personal Protection

Hand Protection: Neoprene, Viton gloves
Respiratory Protection: None required for normal operation.
Eye Protection: Safety glasses

Engineering Measures: For normal operation local exhaust ventilation should suffice. Direct exhaust when material becomes heated and vapors are given off.
Other: Eyewash facility in vicinity.

Section 9 - Physical and Chemical Properties

| | | | |
|---|---------|-----------------------------------|-----------|
| Boiling Point: | Unknown | Specific Gravity: | 0.879 |
| Flash Point (COC): | 120°C | Evaporation Rate: | N/A |
| Vapor Density: | N/A | Solubility in Water: | Insoluble |
| Vapor Pressure (25° C): | Unknown | Volatility (105°C/2 hrs.): | Unknown |
| Appearance and Odor: Clear light yellow liquid; mild odor. | | | |

Section 10 - Stability and Reactivity

Stability: This product is stable under normal conditions.
Conditions to Avoid: Strong oxidizing agents.
Hazardous Polymerization: Will not occur under normal circumstances.

Section 11 - Toxicological Information

HET-CAM (5% substance): Practically no potential for ocular irritation at a 10% concentration *in vivo* was indicated.
Repeated Insult Patch Test (10% substance): No potential for dermal irritation or allergic contact sensitization *in vivo* was indicated.

Acute Toxicity (based on a similar compound): Oral Toxicity: LD50 = 1.77 g/kg, Inhalation Toxicity: LC50 > 3.55 mg/L, Dermal Toxicity: LD50 > 400 mg/kg (female), LD50 > 2000 mg/kg (male), Eye Irritation: Corrosive, Dermal Irritation: moderate to severe erythema at 48 hours.

Product Name: SpectraSolv[®] DMDA

Nitrosamine Content:

Nitrosodimethylamine <50 ppb

Dermal Sensitization: not a sensitizer, Mutagenic Assays: no evidence of induced mutant colonies or chromosome aberrations over background and no induction of unscheduled DNA synthesis.

Section 12 - Ecological Information

This product does not contain any ozone depleting compounds (ODC's).

Section 13 - Disposal Considerations

Waste Disposal Methods: Material should be disposed of in accordance with current local, state, and federal regulations. Contacting a waste disposal service is recommended.

Section 14 - Transport Information

Not classified as hazardous according to the Department of Transportation.

Section 15 - Regulatory Information

Toxic Substances Control Act (TSCA): This product is listed on the TSCA inventory of the United States.

Domestic Substance List (DSL): This product is not listed on the DSL inventory of Canada. It is, however, listed on the NDSL.

European Inventory of Existing Chemical Substances (EINECS): This product is listed on the EINECS inventory of Europe. #238-405-1

Superfund Amendments and Reauthorization Act (SARA): This product has the following hazards as defined in Section 311/312 of 40 CFR part 372:

Hazards

Acute

This product contains the following chemicals subject to the reporting requirements of Section 313 or Title III of SARA and 40 CFR Part 372:

Ingredients

None

California Proposition 65: This product contains the following substances known to the state of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986.

Ingredients

None

Product Name: SpectraSolv[®] DMDA

Section 16 - Other Information

Prepared By: DCU

Revision Date: 10/10

Supersedes: 04/09

All information is presented in good faith using available information. The HallStar Company makes no representation of the accuracy or completeness of the information. The user should consider this information as a supplement to other information that may be available. User should also determine suitability of information in their situation to determine proper use and disposal, protection of persons and the environment.

⁽¹⁾ Affiliated companies include RTD*HallStar Inc., HallStar Solutions Corp., Ester Solutions Company, Memphis Solutions Company and Marine Magnesium & Minerals Company.