



MATERIAL SAFETY DATA SHEET

MSDS #: FH/L/2002/KMKL-592NHP
 Supersedes: FH/L/2001/KBKT-4VYJ68

Issue Date: 10/07/02
 Issue Date: 04/27/01

| SECTION I - CHEMICAL PRODUCT | | |
|--|-----------------|-------------|
| Identity: Dawn Spray for Tough Food Cleaning | | |
| Brands: DAWN POWER DISSOLVER | | |
| Hazard Rating: | Health: 2 | 4=EXTREME |
| | Flammability: 1 | 3=HIGH |
| | Reactivity: 1 | 2= MODERATE |
| | | 1=SLIGHT |
| Emergency Telephone Number: 1-800-725-3296 or call Local Poison Control Center | | |

| SECTION II - COMPOSITION AND INGREDIENTS | | | | | |
|--|-------------|----------|---|--------|-----------|
| Ingredients: Solvents (butyl carbitol and MEA), surfactant cleaning agent (amine oxide), dishware, flatware, and dishwasher protection agents (sodium silicates), stabilizing agents, and perfume in a water base. | | | | | |
| This mixture, when tested as a whole, is considered an eye and skin irritant within the meaning of the OSHA Hazard Communication Standard. | | | | | |
| Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200: | | | | | |
| Chemical Name | Common Name | CAS No. | Recommended Limits | Range | LD50/LC50 |
| Monoethanolamine | MEA | 141-43-5 | NIOSH REL 3 ppm / 8 mg/m3 NIOSH STEL 6 ppm / 5 mg/m3 ACGIH TWA 3 ppm ACGIH STEL 6 ppm / 15 mg/m3 | 3--7 % | N/A |

| SECTION III - HAZARDS IDENTIFICATION | |
|--|--------------------------|
| Health Hazards (Acute and Chronic): | |
| Eye Contact: | Eye irritant. |
| Skin: | Skin irritant |
| Inhalation: | Mucous membrane irritant |
| Ingestions: | Mucous membrane irritant |
| Signs and Symptoms of Exposure: | |
| Ingestion: Oral ingestion may result in irritation of the mouth and gastrointestinal tract, with nausea, vomiting and diarrhea. Substantial ingestions may produce moderate gastrointestinal irritation. | |
| Eye Contact: May cause transient irritation (stinging, tearing, itching, swelling, and/or redness) of the eyes. | |
| Inhalation: Inhaling aerosolized products may cause irritation of the mucous membranes. | |
| Skin Contact: May cause mild to moderate irritation (redness, drying, cracking), depending on exposure. | |

SECTION IV - FIRST AID INFORMATION**Emergency and First Aid Procedures:**

| | |
|---------------|--|
| Skin contact: | May cause mild to moderate irritation, depending on exposure. Rinse affected area with water to minimize irritation. If needed apply cold compress to relieve irritation. Discontinue use of product. If symptoms persist, seek medical advice. |
| Eye contact: | Transient irritation where redness or stinging may result. No permanent damage expected. Rinse thoroughly with plenty of lukewarm water for 2-3 minutes. If symptoms persist, seek medical advice. |
| Ingestion: | Possible gastro-intestinal irritation with nausea, vomiting, diarrhea. Drink water to dilute product. Do not induce vomiting. Act immediately to reduce possibility of mucosal irritation. If symptoms persist, seek medical advice. |
| Inhalation: | Inhaling aerosolized products may cause irritation of the mucous membranes. Go in open air and ventilate suspected area. If irritation is experienced, mouth and throat may be rinsed with water. Aerosolized product adhering in the nasal cavity may be rinsed / diluted with saline/plain water. If irritation or asthma-like symptoms persist, seek medical advice.. |

Other: KEEP OUT OF REACH OF CHILDREN. Do not reuse this package for storing beverages or other liquids.

SECTION V - FIRE FIGHTING INFORMATION

| | | | |
|--|---------------------------------|---|-----------------|
| Flash Point (Pensky-Martens CC): 180 °F | Explosive Limits: | <i>LEL:</i> N/A | <i>UEL:</i> N/A |
| Extinguishing Media: CO2, Water or Dry chemical are all acceptable | | | |
| Special Fire Fighting Procedures: None | | | |
| Unusual Fire Hazards: None | | | |
| Stability | <i>Unstable:</i> | <i>Conditions to Avoid:</i> None known | |
| | <i>Stable:</i> Basically stable | | |
| Incompatibility (Materials to Avoid): Acids and all acidic compounds although all possible incompatibilities have not been identified | | | |
| Hazardous Decomposition/By Products NK | | | |
| Hazardous Polymerization: | <i>May Occur:</i> | <i>Conditions to Avoid:</i> See 'Incompatibility' above | |
| | <i>Will Not Occur:</i> X | | |

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prior to exposure, cover any exposed skin and eyes. Peel off and wash any clothing that becomes wet with the product.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL REGULATIONS. 'Normal' undiluted waste from this product is RCRA "Corrosive" D002 classification. Check pH before sewerage. pH trim may be necessary if waste has pH of 12.5 or above. Liquids should not be put in landfills. Household waste from this product may be disposed of down the sewer.

Steps To Be Taken in Case Material is Released or Spilled: Contain the spill. Try to prevent larger quantities from reaching waterway or sewer. Use sorbents if needed. Dispose of resulting waste as appropriate (check pH).

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: No unusual precautions necessary.

Other Precautions: None.

