



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
5299 Spring Grove Avenue
Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

MSDS #: FH/L/2002/KMKL-592NHP.01
Supersedes: FH/L/2002/KMKL-592NHP.01

Issue Date: 06/23/2011
Issue Date: 12/14/2007

SECTION I - PRODUCT IDENTIFICATION

Identity: **Pretreater For Baked-On, Burnt-On Greasy Dishes** **Finished Product**
Brands: **DAWN POWER DISSOLVER [95077619]**

P&G Telephone Number: 1-800-725-3296
or call Local Poison Control Center or your physician.

SECTION II - HAZARDS IDENTIFICATION

Potential Health Hazards (Acute and Chronic): (See Section 11 for more information)

Eye Contact: Eye irritant

Skin contact: Skin irritant

Inhalation: Mucous membrane irritant

Ingestion: Mucous membrane irritant

Signs and Symptoms of Exposure:

Eye Contact: May cause transient irritation (stinging, tearing, itching, swelling, and/or redness) of the eyes.

Skin Contact: May cause mild to moderate irritation (redness, drying, cracking), depending on exposures.

Inhalation: Inhaling aerosolized products may cause irritation of the mucous membranes.

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.

Potential Environmental Effects: (See Section 12 for more information)

SECTION III - COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. and/or WHMIS under the HPA which contribute to the hazards identified in Section II:

Ingredients listed on the product label are: Contains biodegradable alkaline cleaning agents and solvents.

Contains

no phosphate.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>TLV/LD50/LC50</u>
Monoethanolamine	MEA	141-43-5	3-7%	LD50 (rat, oral) = 1720 mg/kg

These substances are listed because in their pure bulk form they meet the OSHA definition of hazardous. Any hazards associated with this finished product are listed in Section II of this MSDS.

SECTION IV – FIRST AID INFORMATION

First Aid Procedures:

Eye Contact: Transient irritation where redness or stinging may results. No permanent damage expected. Rinse thoroughly with plenty of lukewarm water for 2-3 minutes. If symptoms persist, see medical advice.

Skin contact: May cause mild to moderate irritation, depending on exposure. Rinse affected area with water to minimize irritation. Discontinue use of product. 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.

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.

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

SECTION V - FIRE FIGHTING INFORMATION

Flammable Properties: Flashpoint = 180°F

Flammable Properties:

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

Explosive Limits: UEL: N/A LEL: N/A

Auto-ignition Temperature: N/A

Hazardous Combustion Products: N/A

Explosion Data (Sensitivity to Mechanical Impact): N/A

Explosion Data (Sensitivity to Static Discharge): N/A

Extinguishing Media:

Suitable: CO₂, water or dry chemical may be used.

Unsuitable: N/K

Protection of Firefighters:

Specific Hazards Arising from the Material: None.

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 FEDERAL, STATE AND LOCAL REGULATIONS. **RCRA Corrosive (D002) product waste.** 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: No special precautions necessary.

Precautions To Be Taken in Storage: No special precautions necessary.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Engineering Controls: N/A

Personal Protective Equipment (PPE): N/A

Eye/Face Protection: None required with normal household use.

Industrial Setting: For splash protection, use chemical goggles. Eye wash fountain is needed.

Skin Protection: None required with normal household use.

Industrial Setting: Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

Respiratory Protection: No special precautions for casual exposure.

Ventilation *Local Exhaust:* None required with normal consumer use. *Special:* None

Industrial (General): Normal/general dilution ventilation is acceptable. *Other:* None

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): Cloudy, Viscous liquid. Product is perfumed.

Odor: Perfumed

Odor Threshold: N/A

Physical State: Dishwashing pretreatment solution

Vapor Pressure (mm Hg): N/K

Vapor Density (Air=1): N/K

Boiling Point: N/K

Partition Coefficient (n-octanol/water): N/K

Volatile Organic Compound (VOC): Not applicable - Product not regulated for VOC Content at State or Federal level

Flash Point (Method Used): 180°F

Reserve Alkalinity: ~2.6 g NaOH/100 mL

Solubility in Water: Miscible with water. Contains small amount of insoluble, colloidal size particles.

Decomposition Temperature: N/K

Evaporation Rate (nBuOAc=1): N/K

Specific Gravity/Density: 1.04 g/cm³

Melting/Freezing Point: N/K

pH (10% solution): 12 (neat pH is ~13)

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Storage near acids.

Incompatible Materials: Acids

Hazardous Decomposition Products: None known

Possibility of Hazardous Reactions: None known

SECTION XI - TOXICOLOGICAL INFORMATION

This product is not expected to be acutely toxic. Emetic properties are not known. If large quantities are ingested, treat symptomatically, do not induce vomiting. If irritant effects are seen, these will be mild to moderate, depending on exposure. If in contact with eyes, flushing with water is recommended.

Chronic Effects: No chronic health effects reported.

Target Organs: No target organs reported.

Carcinogenicity: This finished product is not carcinogenic. **NTP:** No **IARC:** No **OSHA:** No

SECTION XII - ECOLOGICAL INFORMATION

The cleaning ingredients used in Dawn Power Dissolver are biodegradable.
Dawn Power Dissolver is safe for septic tanks.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS

Non Household Setting: Products covered by this MSDS, in their original form, when disposed as waste, are corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261). Do not landfill. Disposal should be in accordance with local state and federal regulations.

California Hazardous Waste: Hazardous, in accordance with 22 CCR 66261.20 through 22 CCR 66261.24

Household Use: Household product may be disposed of down the sewer. The empty container may be discarded in the trash or recycled (plastic bottle only without pump dispenser) where facilities exist.

SECTION XIV - TRANSPORT INFORMATION

Products covered by this MSDS, in their original form, are regulated for transportation.

Ground Transport (US DOT): UN3266, Corrosive liquid, basic, inorganic n.o.s. (monoethanolamine, sodium hydroxide), 8, II, LTD QTY [may be shipped as a Consumer Commodity ORM-D through 12/31/2013]

Air Transport (IATA): DO NOT SHIP. Finished package does not meet air transport requirements.

Marine/Water Transport (IMDG): UN3266, Corrosive liquid, basic, inorganic n.o.s. (monoethanolamine, sodium hydroxide), 8, II, LTD QTY

SECTION XV - REGULATORY INFORMATION

United States

All intentionally-added components of this product are listed on the US TSCA Inventory.

This product is not subject to warning labeling under California Proposition 65.

EPA Reg. No.: Not Applicable

This product contains the following SARA 313/302/304/311/312 chemicals:

Ingredient	CAS #	Max Level
Glycol ethers	122-99-6	5.0 %

This product contains the following CERCLA chemicals:

Ingredient	CAS #	Max Level
Glycol ethers	122-99-6	5.0 %

State Right-to-Know:

The following ingredients present in the finished product are listed on state right-to-know lists or state worker exposure lists:

Ingredient	CAS #	Max Level	State				
			IL	MA	NJ	PA	RI
Glycol ethers	122-99-6	5.0 %			X	X	
Monoethanolamine	141-43-5	5.0%		X	X	X	X

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance

Canada

All ingredients in this product have not been identified on the Canadian DSL inventory.

SECTION XVI - OTHER INFORMATION

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

P&G Hazard Rating:	Health: 2	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 1	2=MODERATE
		1=SLIGHT
		0=NOT SIGNIFICANT

*N/A. - Not Applicable

*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

DISCLAIMER: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.