

Section 1 - IdentificationProduct Name: **DISH MACHINE DETERGENT 200 (DMD 200)**

A liquid detergent.

Revised: 7/13/15

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Section 2 - Hazards Identification

Hazard categories: Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1

Hazard statements: Causes severe skin burns and serious eye damage.

Signal word: Danger

Pictogram: Corrosion

Precautionary statements

Prevention

Wash hands thoroughly after handling. Wear protective gloves such as latex.

Do not breath dusts or mists. Wear eye protection such as safety glasses with side shields.

Response**IF SWALLOWED:** Rinse mouth. Do not induce vomiting.**IF ON SKIN (OR HAIR):** Take off immediately all contaminated clothing before reuse. Rinse skin with water.

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.Storage: Store in corrosive resistant container with a resistant inner liner. Store locked up.Disposal: Dispose of contents in accordance with local, regional, national, and international regulations.**Section 3 - Composition / Information on Ingredients**

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	80%
Sodium hydroxide	1310-73-2	12%
Potassium hydroxide	1310-58-3	5%
Sodium Glucoheptonate	31138-65-5	2%
2-Propenoic acid, telomer with sodium hydrogen sulfite, sodium salt	68479-09-4	1%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

Section 4 - First Aid Measures**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER.**Skin Contact:** Immediately flush exposed skin with running water. Remove contaminated clothing and shoes. If irritation persists, call a physician. Wash clothing before reuse.**Inhalation:** If affected, move exposed person to fresh air. If irritation persists get medical attention.**Ingestion:** If the product is swallowed, do NOT induce vomiting. If affected person is conscious, give a glass of water or milk to drink. Get medical attention immediately.**Section 5 - Fire-Fighting Measures****Extinguishing Media:** Do not use soda-acid extinguishers.**Special Fire Fighting Procedures:** None.**Unusual Fire And Explosion Hazards:** None.**Section 6 - Accidental Release Measures****Steps To Be Taken If Material Is Released Or Spilled:** Clean up small spills with a rag or mop. Spills of 4 gallons or less can be washed to a sanitary sewer with plenty of water. Larger spills should be diked to prevent spreading and then collected into clean pails or drums. Wear proper personal protective equipment.**Section 7 - Handling and Storage**

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet. Store separate from acids in a cool, well ventilated area. Remove leaking containers.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Sodium Hydroxide	1310-73-2	12%	2 mg/m ³ (2)	-	2 mg/m ³ (3,4)
Potassium Hydroxide	1310-58-3	5%	2 mg/m ³ (2)	None	2 mg/m ³ (3,4)

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous
Ingredients not shown either have no known limits or are below reportable levels in section 3 above.

Ventilation: Good room ventilation. Four air changes per hour should be adequate.

Respiratory Protection: None when used as directed.

Gloves: Wear rubber or latex gloves when changing containers, handling open containers or cleaning up spills. Do not use disposable latex gloves. Disposable Nitrile are good.

Eye Protection: Wear safety glasses with side shields or chemical goggles or a face shield when changing containers, handling open containers or cleaning up spills.

Other Protective Equipment: When changing containers, handling open containers or cleaning up spills wear a vinyl or rubber apron and impervious shoes (not tennis shoes or sneakers). An eyewash station should be located within 10 seconds travel time.

Section 9 - Physical and Chemical Properties

Appearance and Odor: Brown liquid with mild odor.	
Odor Threshold: Not Available	Vapor Pressure: Not Available
pH: 1% solution 13.5 ± 0.5	Vapor Density: Not Available
Melting Point: Not Available	Relative Density (Specific Gravity): 1.26
Freezing Point: Not Available	Solubility(ies): Water: 100%
Boiling Point, Initial: 215° F.	Partition coefficient: Not Available
Boiling Range: Not Available	Auto-ignition Temperature: Not Available
Flash Point: None. (ASTM D-56 closed cup)	Decomposition Temperature: Not Available
Evaporation Rate: Not Available	Viscosity: Same as water.-
Flammability: (solid, gas): Not Applicable	Volatiles Percent: 73%
Upper Explosive Limit: None	V.O.C.: 0% - 0 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Incompatibility: Acids

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes - causes severe irritation and damage, redness, tearing, blurred vision, may cause blindness.

Skin - causes severe irritation. Prolonged contact can cause permanent damage to skin.

Swallowing - causes gastrointestinal irritation and burns, nausea, vomiting, diarrhea.

Breathing - excessive inhalation of vapors may cause nasal and respiratory irritation.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 4 gallons of concentrate in the sanitary sewer with a large amount of water. Some sewage departments may allow you to dispose of larger quantities without neutralizing. Call them for approval. Larger amounts may have to be neutralized to within the pH limits of your waste water treatment system before disposal. Call Damon Industries at 1-800-362-9850 if you need neutralizing instructions.

Section 14 - Transport Information

D.O.T. : Corrosive liquid, basic, inorganic, n.o.s., 8, UN3266, PG II (Contains Potassium Hydroxide, Sodium Hydroxide)

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:2 F:0 I:0 **HMIS® III:** H:3 F:0 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 4/28/15. Removed "may be corrosive to metals."

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.