

**HUIISH detergents MATERIAL SAFETY DATA SHEET**  
**Gel Auto Dish Detergent**

**Section I - Product Information**

Product Trade Name: Gel Auto Dish Detergent  
CAS Number: N/A, mixture  
Manufacturer: Huish Detergents, Inc.  
3540 W. 1987 S.  
Salt Lake City, UT 84104  
Effective Date: January 11, 2002  
Formula: Blended nonionic surfactant  
with bleach.  
DOT Shipping Name: Not regulated  
Label: Not regulated  
Emergency Telephone: 801-975-3194  
General Information: 800-776-6702

**Section II - Hazardous Ingredients**

Ingredients	TLV	PEL	STEL	CAS No.
Sodium hypochlorite	1.5 mg/m <sup>3</sup>	1.5 mg/m <sup>3</sup>	2.9 mg/m <sup>3</sup>	7681-52-9
Sodium hydroxide	(Ceiling is 2 mg/m <sup>3</sup> )			not est. 1310-73-2

**Section III - Physical Data**

Boiling Point: N/A  
Freezing Point: N/A  
Specific Gravity (H<sub>2</sub>O = 1): 1.35  
Density, (lbs./gal.): N/A  
%Volatile: 59% (including water)  
Evaporation Rate: N/A  
Solubility in Water: Not determined.  
pH (as is): 12.8 max.  
Appearance and Odor: Yellow gel; Citrus odor

**Section IV - Fire and Explosion Data**

Flash Point: N/A  
Extinguishing Media: Water, Foam, CO<sub>2</sub>, or Dry Chemical  
Fire Fighting Procedures: Cool material with water.  
Fire / Explosion Hazards: None

**Section V - Reactivity Data**

Stability: Stable  
Conditions to Avoid: None known.  
Incompatibilities: Strong acids or alkalis.  
Hazardous Decomposition: Chlorine gas.  
Hazardous Polymerization: Will not occur.

**Section VI - Toxicological & Health Hazard Data**

LD50: Not determined.  
Threshold Limit Value: Not determined.  
Effects of Acute Exposure:  
Ingestion: Irritation of membranes may occur.  
Inhalation: Prolonged exposure may produce headaches and mucous membrane irritation.  
Skin Contact: Direct contact may cause irritation.  
Eye Contact: Direct contact will cause irritation.  
Effects of Chronic Exposure: None determined.  
Carcinogen Status: Non-carcinogenic.

**Emergency First Aid Procedures:**

If swallowed: DO NOT INDUCE VOMITING!  
Give one to two cups of water. Call physician.  
Inhalation: Remove to fresh air; consult a physician if symptoms persist.  
Skin Contact: Promptly flush with water. Remove contaminated clothing and shoes.

Eye Contact: Promptly flush with large amounts of water for at least 15 minutes.  
Contact physician.

**Section VII - Safe Handling and Storage**

Store in cool, dry area.  
Keep away from fire and heat.  
Keep containers closed when not in use.  
Provide adequate ventilation.  
IN CASE OF RELEASE OR SPILL:  
Stop spill at source and contain material. Place material in container for disposal in accordance with local, state and federal regulations. Small amounts may be dissolved and flushed to sewer.  
RECOMMENDED WASTE DISPOSAL METHODS:  
Large quantities should not be flushed into sewer system. Product may meet the criteria of a hazardous waste under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261 due to high pH. Dispose of neutralized material in accordance with all regulations applicable to non-hazardous waste. Spill areas are slippery when wet.

**SECTION VIII - CONTROL MEASURES AND PROTECTIVE EQUIPMENT**

None required under normal use conditions. Goggles and rubber gloves may be worn for protection.

**SECTION IX - REGULATORY INFORMATION**

SARA Title III (Superfund Amendment and Reauthorization Act)

Section 302 - Extremely Hazardous Substances: None

Section 304 - Release Reporting:

Sodium hypochlorite RQ = 100 lbs

Sodium hydroxide RQ = 1,000 lbs.

Section 311/312 - Material Safety Data Sheet Requirements:

None

Section 313 - Toxic Chemicals: None

California Prop 65: None

**SECTION X - HAZARD RATING INFORMATION**

HAZARD RATING

4 = Extreme

Health - 1

0 = Insignificant

Fire - 0

Reactivity - 1

**SECTION XI - USER'S RESPONSIBILITY**

HUIISH Detergents, Inc. cannot anticipate all conditions of handling and use of this product. Therefore, HUIISH Detergents, Inc. accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. HUIISH Detergents, Inc. will accept no liability for damages or loss incurred from the improper use or handling of this product.