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MATERIAL SAFETY DATA SHEET**SECTION I: PRODUCT INFORMATION**

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Product Name: **Duz Liquid Dish Detergent- Green Apple**
Application: Household

SECTION II: INGREDIENTS IDENTITY INFORMATION HAZARDOUS INFORMATION:

Ingredients	Percentage%	CAS#
Sodium C14-16 Olefin Sulfonate	0.050- 10.00	68439-57-6
Sodium Lauryl Ether Sulfate	5.00- 10.00	9004-82-4
Sodium Lauryl Sulfate	0.050- 5.00	15-21-3
Ethanol	0.050-1.00	64-17-5

All remaining ingredients in this composition is < 0.5% is not considered hazardous to health if properly used.

SECTION III: PHYSICAL AND CHEMICALS DATA

This data provided is not represented specification values. Only use for Material Safety Data Information

PHYSICAL STATE	Mixture of Liquid
BOILING POINT	≈212 ⁰ F/ 100 ⁰ C
SPECIFIC GRAVITY (H ₂ O=1)	≈ 1.04 to 1.08
SOLUBILITY	Soluble in Water
CONCENTRATION	≤ 20 %
APPEARANCE AND ODOR	Clear Green liquid, pleasant Apple odor
pH	9.0-11.0
Freezing Point	≈ 0 ⁰ C = 32 ⁰ F

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: None
Flammable Limits: Not Applicable
Special Firefighting Procedure: Not Applicable

SECTION V REACTIVITY DATA

Stable under normal use and storage conditions.

INCOMPATIBILITIES: Strong Oxidizers and reducing agents

DECOMPOSITION: Thermal decomposition products may include toxic oxides of sulfur and carbon, hydrogen sulfide.

POLYMERIZATION Will not Occur



SECTION VI HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE:

Eyes:	Irritation, redness.
Dermal:	Irritation.
Inhalation:	None known.
Ingestion:	Nausea, cramps, vomiting.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes:	Flush with large amounts of water for 15 minutes.
Dermal:	Wash with soap and water.
Inhalation:	Remove victim to fresh air and get medical attention.
Ingestion:	Do not give anything by mouth to unconscious person. Get medical attention.

Acute Health Hazards:	Irritation of eyes.
Chronic Health Hazards:	None expected on industrial level.

SECTION VII Precaution for safe Handling and Use

No special protection or precautions have given identified for using this product under directed consumer use conditions. The following recommendations are given for production facilities and other conditions and situations where there is increased potential for accidental, large scale or prolong exposure.

Avoid contact with eyes, skin and clothing. Wash hands after direct contact. Do not wear product contaminated clothing for prolonged periods.

Control to minimize exposure to vapor or mist.

Wear safety glasses, rubber gloves if contact liquid, especially for prolonged periods

Waste Disposal Method

Control Spill. Containerize liquid and use absorbents on residual liquid: dispose appropriately. Breathing protection must be worn in poorly ventilated area.

Disposal material needs to comply with local and federal authority.

Precaution to be taken in Handling and Storage

Store bulk quantities in a cool, well-ventilated area and avoid any other source of oxidizing agents.

SECTION VIII CONTROL MEASURES

For spills, wear rubber or plastic gloves, safety glasses and protective clothing for bulk quantities. Can be slippery.

OTHER INFORMATION

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