



MATERIAL SAFETY DATA SHEET

CT #: FH/H/2007/LHLA-6ZKSLF
 FH/H/2006/SDSM-6QMM93
 FH/H/2005/LHLA-6EAGYS
 FH/H/2003/BMRA-5JHPJT

Issue Date: 04/13/07

SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Laundry Detergent**

Brands: **IVORY SNOW**

(All Non 2X Variations for Retail*)

Emergency Telephone Number: 24hr P&G Operator - 1-800-846-7669 or call Local Poison Control Center

* **This MSDS applies to** all uses/handling of these products in a retail package for consumer home use.

SECTION II - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

- Ingestion: May cause transient gastrointestinal irritation.
- Eye Contact: May cause mild, transient irritation.
- Inhalation: Transient irritation with prolonged exposure to concentrated material.

Signs and Symptoms of Exposure:

- Ingestion: May result in nausea, vomiting, and/or diarrhea.
- Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.
- Skin: Prolonged contact with concentrated material may be drying or transiently irritating to skin.

SECTION III - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Biodegradable surfactants (anionic and nonionic) and enzymes.
 Biodegradable surfactants (anionic, nonionic, and cationic) and enzymes.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Ethyl alcohol	Ethanol	64-17-5	ACGIH TWA: 1880 mg/m ³ OSHA PEL & TWA: 1900 mg/m ³	0.5 - 1.5%	7.06 g/kg (oral, rat)
Sodium borate	Borax	1330-43-4	ACGIH TWA: 5mg/m ³	1 - 5%	NA
2-Aminoethanol	Ethanolamine	141-43-5	ACGIH TWA: 7.5 mg/m ³ ACGIH STEL: 15 mg/m ³ OSHA PEL: 6 mg/m ³ OSHA TWA: 8 mg/m ³ OSHA STEL: 15 mg/m ³	1 - 5%	1.7g/kg (oral, rat)

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point °F: 205°F	Specific Gravity (H₂O=1): 1.04 – 1.05 g/cc
Vapor Pressure (mm Hg): <29.4	Percent Volatile by Volume (%): ~70%
Vapor Density (Air=1): Unknown	Evaporation Rate (nBuOAc=1): Unknown
Odor Threshold: N/A	Freezing Point: N/A
Coefficient of Water/Oil Distribution: N/A	pH (10% solution): 8.1 – 8.5
Scooped Density: N/A	Solubility in Water: Completely soluble.
Appearance and Odor: Product is straw yellow color and contains perfume.	Reserve Alkalinity: N/A

SECTION X - STABILITY AND REACTIVITY

Possible Hazardous Reactions/Conditions: None known

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: None known

Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION

Liquid Ivory Snow formulas have a low order of toxicity. If ingested, it may be mildly irritating. It is expected to be moderately emetic.

LD50 (oral, estimated): > 2g/kg

ED50 (emesis, estimated): ~ 0.5 g/kg

Chronic Effects: No chronic health effects reported.

Target Organs: No target organs reported.

Carcinogenicity: NTP: No

IARC: No

OSHA: No

SECTION XII - ECOLOGICAL INFORMATION

Based on ecotoxicity and fate data for the individual ingredients in this specific formulation and for related consumer household cleaning product formulations, it is expected that this product would exhibit a non-hazardous order of toxicity at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with all Federal, state/provincial and local regulations.

Non Household Setting: For non household use/larger quantities, incineration is preferred. Do not landfill.

Household Use: Consumer produced household solutions may be disposed of down the drain with running water. may be disposed of in refuse or in sewer. Consumer may discard empty container in trash, or recycle where facilities exist.

SECTION XIV - TRANSPORT INFORMATION

U.S. D.O.T.

Ground Transport: These products are not regulated when transported by ground.

IATA: These products are not regulated when transported by air.

IMDG: These products are not regulated when transported by vessel.

SECTION XV - ADDITIONAL REGULATORY INFORMATION

United States

All intentionally-added components of these products are listed on the US TSCA Inventory. These products are not subject to warning labeling under California Proposition 65.

Canada

All ingredients are CEPA approved for import to Canada by Procter & Gamble. These products have been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the Controlled Products Regulations.

SECTION XVI - OTHER INFORMATION

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

P&G Hazard Rating: 1	Health: 1	4=EXTREME
	Flammability: 1	3=HIGH
	Reactivity: 0	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.

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