

SAFETY DATA SHEET

Issue Date September 14, 2016

This Safety Data Sheet (SDS) is intended to provide product information for workplaces, emergency personnel and other situations where there is potential for longer exposure or exposure to larger quantities of product. For consumer use, applicable precautionary information is provided on the product label. This SDS is designed to cover both U.S. and Canadian requirements. Differences between U.S. and Canadian requirements are noted where applicable.

Section 1: Identification of Product and Company

Product Name	Hand Dish Detergent
Synonyms	5084-Natural Dish Detergent
Restrictions on Use	Follow directions on the product label

Manufacturer Name Address	Nuance Solutions 900 E 103 rd St STE D Chicago, IL 60628
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Company Website Company Contact Emergency Telephone Number	www.nuancesolutions.com 1-800-621-8553 infotrac: 1-800-535-5053
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Section 2: Hazards Identification

Hazardous Materials Identification System (HMIS) Rating Legend: 4-Severe, 3-Serious, 2-Moderate, 1-Slight, 0-Minimal	HEALTH	0
	FLAMMABILITY	0
	PHYSICAL HAZARDS	0
	PERSONAL PROTECTION	A

National Fire Protection Association (NFPA) Rating	Not determined
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Classification	
U.S.	Eye Damage/Irritation 2A Skin Corrosion/Irritation 2
Canada	Eye Damage/Irritation 2A Skin Corrosion/Irritation 2
Signal Word	WARNING

Hazard Statements	Causes skin irritation
	Causes serious eye irritation

Precautionary Statements
 Wash exposed areas thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Take off contaminated clothing and wash before reuse
 Dispose of contents/container in accordance with local regulation


If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

If on skin (or hair): Take off immediately all contaminated clothing. Wash with soap and water, rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention

SAFETY DATA SHEET

Hazard pictogram(s)	
Hazards not otherwise identified	None known
Percent ingredients with unknown acute toxicity	<1% of the product consists of ingredients of unknown acute oral toxicity. Refer to Section 3.

Section 3: Composition, Information on Ingredients

Ingredient	CAS Number	Concentration ¹
aqua (water)	7732-18-5	30% - 100%
sodium laureth sulfate	68585-34-2	30% - 60%
Lauramine Oxide	1643-20-5	7% - 13%
Sodium Chloride	7647-14-5	<1%
Magnesium chloride	7786-30-3	<1%
Citric acid	77-92-9	<1%
benzisothiazol & Methylisothiazol preservative	2634-33-5 & 2682-20-4	<1%

¹ Where ranges are shown, the exact concentration has been withheld as a trade secret.

Section 4: First Aid Measures

<p>Description of first aid measures:</p> <p>If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.</p> <p>If on skin (or hair): Take off immediately all contaminated clothing. Wash with soap and water, rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell</p> <p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention</p> <p>Most Important symptoms and effects, both acute and delayed: Causes eye irritation</p> <p>Indication of any immediate medical attention and special treatment needed: Treat symptomatically</p>

Section 5: Fire Fighting Measures

<p>Extinguishing media:</p> <p><i>Suitable extinguishing media:</i> Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p> <p><i>Unsuitable extinguishing media:</i> Not determined</p> <p>Special hazards arising from the substance or mixture: None known</p> <p>Flammability classification: Not flammable</p> <p>Hazardous combustion products: Carbon oxides, oxides of phosphorus other unidentified organic compounds.</p> <p>Special protective equipment and precautions for firefighters:</p> <p><i>Protective equipment for fire-fighters:</i> Firelighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.</p> <p><i>Special fire-fighting procedures:</i> Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.</p>
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Section 6: Accidental Release Measures

Personal Precautions	
Industrial Setting	Wear appropriate personal protective equipment (refer to Section 8).
Environmental Precautions	Avoid entry into lakes, streams, ponds or public waterways.

Methods for Containment and Cleaning Up

SAFETY DATA SHEET

Household Setting	Small spills and leaks may be cleaned up and disposed of in normal household trash or diluted and disposed of via sewer.
Industrial Setting	Before attempting clean up, refer to hazard data given. Material may be slippery if spilled and wet. Prevent spill from entering a waterway. Stop spill at source and contain material. Dispose liquid in accordance with all applicable local, state, and federal regulations. Small amounts may be flushed to sewer.

Section 7: Handling and Storage

Safe Handling	
Household Setting	Use as directed on product label.
Industrial Setting	Wear appropriate personal protective equipment (refer to section 8).
Safe Storage	KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container and keep container closed when not in use. Avoid freezing.
Incompatibilities	Do not mix with other chemicals or cleaners (refer to section 10).

Section 8: Exposure Controls, Personal Protection

Exposure Limits	None known.
Engineering Controls	Not applicable.
Personal Protective Equipment (PPE)	
Household Setting	No special precautions necessary as long as product is used as directed.
Industrial Setting	
Respiratory Protection	None required under normal conditions. General ventilation required.
Eye Protection	Goggles or other protective eye wear may be worn for protection.
Skin Protection	Gloves may be worn for protection.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Physical State	Liquid.
Color	Colorless
Clarity	Clear
Odor	Characteristic of ingredients.
Odor Threshold	Not available.

pH	~7.5
Melting Point	Not available.
Freezing Point	Not available.
Initial Boiling Point and Boiling Range	Not available.
Flash Point	Not available. Aqueous Solution.
Evaporation Rate	Not available.
Upper Explosive Limit (UEL)	Not applicable.
Lower Explosive Limit (LEL)	Not applicable.
Vapor Pressure (mmHg)	Not available.
Specific Gravity (H2O = 1)	1.01-1.02
Relative Density	Not available.
Vapor Density (Air = 1)	Not available.
Solubility in Water	Miscible
Partition Coefficient: n-octanol/water	Not available.
Viscosity	500-700cps
VOC (weight%)	Not available.

SAFETY DATA SHEET

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	None known.
Incompatible Materials	
Household Setting	In general, cleaning products should not be mixed with other household chemicals, unless specifically provided for in the use directions.
Industrial Setting	None known.
Hazardous Decomposition Products	None known.

Section 11: Toxicological Information

Potential Route(s) of Exposure	Eyes. Skin. Ingestion. Inhalation.
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Toxicological Data

See the following table for individual ingredient acute toxicity data.

Chemical name	CAS #	LD ₅₀	LD ₅₀	LC ₅₀
		(Oral, rat)	(Dermal, Rabbit)	(4hr, Inhal., rat)
Water (68-71%) / Sodium lauryl sulfate (alt CAS 68585-47-7) (28-30%)	7732-18-5 (68-71%) / 151-21-3 (28-30%)	1288		
Lauryl dimethylamine Oxide	1643-20-5	9000		

*All empty cells no applicable information available

Effects of Chronic Exposure	Not expected to have chronic health effects.
Sensitization	Does not indicate a potential for allergic contact sensitization, based on Human Repeat Insult Patch Test (HRIPT).
Carcinogenicity	Not expected to have chronic health effects.
NTP	No Ingredients Listed
IARC	No Ingredients Listed
OSHA	No Ingredients Listed
Reproductive Effects	Not expected to have chronic health effects.
Teratogenicity	Not expected to have chronic health effects.
Mutagenicity	Not expected to have chronic health effects.
Target Organ Effects	Not expected to have chronic health effects.

Section 12: Ecological Information

Ecotoxicity	Not available.
Persistence and Degradability	This product is biodegradable, based on ingredients.
Bioaccumulative Potential	Not applicable.
Mobility in Soil	Not available.
Environmental Fate	No adverse effects expected.

Section 13: Disposal Considerations

Product Waste	Any disposal must be in compliance with applicable local, state, provincial and federal laws and regulations.
Household Setting	Product residues in the bottle may be discarded in trash, or diluted with water and disposed via sewer. When used as directed, the product is septic-safe.
Industrial Setting	When disposed as waste in its original form, this product is not considered hazardous waste under Federal regulations, however regulations may vary by state or province and may designate it as hazardous waste. Check with your local waste and waste water authorities. We are aware of the following state waste classifications:

SAFETY DATA SHEET

Section 14: Transport Information

U.S. DOT (Surface Transport)	Not regulated.
U.S. States (Surface Transport)	Not regulated as finished product. Regulated in some states if the product is disposed of in its original form as waste by commercial users/handlers. Refer to Section 13. for applicable state waste codes.
Canadian TDG (Surface Transport)	Not regulated.
IATA (Air Transport)	Not regulated.
IMDG (Marine Transport)	Not regulated.

Section 15: Regulatory Information

U.S.	
Toxic Substances Control Act (TSCA)	This product complies with the inventory requirements of the U.S. Toxic Substances Control Act (TSCA).
California Prop65	This product is not subject to the labeling requirements of California's Proposition 65.
California Air Resources Board (CARB)	Not applicable.
Canada	
Domestic Substances List (DSL)	This product complies with the inventory requirements under Canada's Domestic Substances List (DSL).
Right to Know	Regardless of hazard classification, we disclose all intentionally added ingredients and, if applicable incidental ingredients $\geq 1\%$ on the product label. Please refer to Section 3. of this SDS for ingredient listing.
Other	Fragrances used in this product comply with applicable International Fragrance Association (IFRA) guidance.

Section 16: Other Information

Prepared by	Nuance Solutions Technical Group
Revision Note	Revised format as per OSHA 2012 and WHMIS 2015.

Please note: This product is manufactured and marketed for consumer use and should be used as directed on the product label for the intended purpose. We warrant that this product conforms to our standard specification when released to the market and when used according to directions. To the best of our knowledge, the information contained herein is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any product is the sole responsibility of the user. All products may present unknown hazards and should be used with requisite caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other abbreviations used in this document:

- DOT – (U.S.) Department of Transportation
- EPA – (U.S.) Environmental Protection Agency
- IARC – International Agency for Research on Cancer
- NTP – (U.S. Department of Health and Human Services) National Toxicology Program
- OSHA – (U.S.) Occupational Safety and Health Administration
- TDG – (Canadian) Transport of Dangerous Goods
- WHMIS – (Canadian) Workplace Hazardous Materials Information System

End of Safety DataSheet