



SAFETY DATA SHEET

Manufacturer; NuSheen Products Company
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Cincinnati, Ohio 45223
513-541-2225

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Preparer: Ted Korzep

24 Hour Transportation Emergency # 1-800-535-5053

Product Name: H.D. Liquid Machine Detergent
Label Name: NuSheen
Product # 133

Product Use: Automatic Dishmachine Detergent
Use only for the purpose on the label.

Section 2 - Health Hazard Identification

PRODUCT AS SOLD

Classification: Skin Corrosion/Irritation – Category 1
Serious Eye Damage/Eye Irritation – Category 1
Signal word: DANGER



Skin; Very Hazardous in case of skin contact.
May cause pain and deep and severe burns to the skin.
Eyes: Extremely corrosive! This product causes corneal scarring and clouding. Glaucoma, cataracts and permanent blindness may occur.
Inhalation: This product may cause irritation to the nose, throat and respiratory system. Repeated inhalation exposure may cause impairment of lung function and permanent lung damage.
Ingestion: Corrosive. Will immediately cause severe corrosion of and damage to the gastrointestinal tract. Exposure characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and tissue ulceration.

PRODUCT AT USE DILUTION

Not Classified
No Signal Word

No known significant effects or critical hazards
No known significant effects or critical hazards
No known significant effects or critical hazards
No known significant effects or critical hazards

Section - Composition – information on ingredients

PRODUCT AS SOLD

Chemical Name	CAS#	WT%	PEL	TLV	Carcinogen
Water	7732-18-5	to 100			
Potassium Hydroxide	1310-58-3	20-30	2	2	No
EDTA	64-02-8	0-5			No
Sodium Phosphate	7758-29-4	10-15	5	5	No
Sodium Silicate	1344-09-8	0-10			No
Tetrapotassium Pyrophosphate	7320-34-5	0-5	5	5	No

Section 4 - First Aid Procedures

PRODUCT AS SOLD

Skin: Wash the product off the skin with soap and water.
Remove contaminated clothing. Get medical attention for persistent irritation.
Eyes: Check and remove contact lenses. Flush eyes with large quantities of water for at least 15 min while holding eyelids open. Seek an eye specialist immediately.
Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get medical attention.
Ingestion: If swallowed drink large quantities of water. DO NOT Induce vomiting. Get medical attention immediately. Never give anything by mouth to anyone who is unconscious or is having convulsions.

PRODUCT AT USE DILUTION

No known effect after skin contact. Wash with water for a few minutes
No known effects after eye contact. Wash with water for a few minutes
No special measures required.
Get medical attention if symptoms occur.

Section 5 - Fire and Explosion Data**PRODUCT AS SOLD**

Suitable fire extinguishing media: Use water spray fog or foam.
Special fire-fighting hazards: Containers may burst if heated
Fire Fighting Instructions: Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus with full face piece operated in positive pressure. Use extinguishing agent suitable for the surrounding fire

Section 6 - Accidental Release Measures**PRODUCT AS SOLD**

Emergency actions: Isolate spill or leak area immediately. Keep unauthorized personnel away, ventilate closed spaces.
Personal Precautions: Wear protective clothing, rubber boots, gloves apron and face shield
Clean up Methods: Dike area to contain spill. Mop up or squeegee material to drain or use absorbent material and place in plastic container for disposal. Rinse area with large quantities of water.
Environmental Precautions: Dike large spills to avoid runoff from entering waterways.

Section 7 - Handling and Storage**PRODUCT AS SOLD**

Handling: Avoid contact with skin and eyes. Avoid breathing vapors or mists of this product. Wash thoroughly after handling this product using soap and water.
Storage: Keep out of reach of children. Keep container closed

PRODUCT AT USE DILUTION

Wash thoroughly after handling

Keep out of reach of children

Section 8 – Exposure controls/personal protection**PRODUCT AS SOLD**

Engineering Controls: Provide adequate local exhaust ventilation, eye wash fountains and emergency showers.
Eyes: Use chemical splash goggles or face shield.
Hands: Use chemical resistant gloves
Skin: Use rubber apron, other protective equipment to prevent skin contact.

PRODUCT AT USE DILUTION

No protective equipment needed.

No protective equipment needed.

No protective equipment needed.

No protective equipment needed.

Section 9 - Physical Data

Physical state:	Liquid	Density:	1.36
Appearance:	Red	Flash Point:	> 100C
Odor:	Slight odor	Boiling Point:	212F
PH:	13+	Melting point:	Not available
Solubility	100%	Vapor pressure:	Not available
Explosion limits:	Not applicable	Vapor density:	(air=1) >1
Partition coefficient:	Not available	Auto-ignition temp	Not available
Decomposition Temp	Not available	Flammability	Not available
Odor threshold	Not available	Viscosity	Not Available

Section 10 - Reactivity Data**PRODUCT AS SOLD**

Stability: This product is stable. Under normal storage and use, hazardous polymerization will not occur?
Reactivity: Slightly reactive or incompatible with the following materials; organic materials, metals and acids
Hazardous Polymerization: Will not occur **Hazardous decomposition products:** Will not occur

Section 11 - Toxicological Data

Route of exposure: Skin contact, eye contact, inhalation, ingestion

Potential acute health effects

Eyes: Corrosive to eyes.
Skin: Corrosive to skin.
Ingestion: Causes burns to mouth, throat and stomach.
Inhalation: Corrosive to the respiratory system

Toxicity data

Potassium Hydroxide 1310-58-3

Chronic toxicity**Carcinogenicity** No known significant effects or critical hazards**Mutagenicity** No known significant effects or critical hazards**Section 12 - Ecological Data**

Ecotoxicity – Not reported.

Section 13 - Disposal Considerations**Product disposal:** Attempt to use product completely in accordance with intended use.**Container Disposal:** Do not re-use empty container. Dispose of in accordance with all Federal, State and local laws.**Section 14 - Transportation Information****DOT Classification:** UN1760**DOT Proper Shipping Name:** Compound, cleaning liquid, (contains potassium hydroxide)**Class:** 8**Packing Group:** II**Section 15 - Regulatory Information**

The Following Information is based on national regulations.

TSCA: All ingredients used in the make up of this product are listed on TSCA**CERCLA/SUPER FUND:** This product does not contain any reportable quantity.**SARA Title III, Section 302, Extremely Hazardous Substances, 40CFR 355:** This product does not contain any Extremely Hazardous Substance.**SARA Title III, Sections 311 nad 312, material Safety Data Sheets Requirements, 40CFR370:** Immediate (Acute) Health Hazard.**SARA Title III, Section 313, List of Toxic Chemicals, 40CFR 372:** Does not contain any substance listed under this regulation.**State Right to Know Laws (Reportable Chemicals):** Does not contain reportable substances.**Section 16 - Other Information**

HAZARD RATINGS	HMIS	NFPA
Health	3	2
Flammability	0	0
Reactivity	1	1
PPE	B	

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