



# SAFETY DATA SHEET

Manufacturer; NuSheen Products Company  
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24 Hour Transportation Emergency # 1-800-535-5053

**Product Name:** Alloy Safe Liquid Machine Detergent  
**Label Name:** NuSheen  
**Product #** 134

**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	10-15	2	2	No
Sodium Silicate	1344-09-8	25-30			No
Tetrapotassium Pyrophosphate	7320-34-5	0-5	5	5	No
EDTA	64-02-8	0-5			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.

**Section 9 - Physical Data**

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

<b>HAZARD RATINGS</b>	<b>HMIS</b>	<b>NFPA</b>
<b>Health</b>	<b>3</b>	<b>2</b>
<b>Flammability</b>	<b>0</b>	<b>0</b>
<b>Reactivity</b>	<b>1</b>	<b>1</b>
<b>PPE</b>	<b>B</b>	

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