

Issue Date 10/20/2015

Version 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

Product Name Clean 'n Shine

**Other means of identification**

Product Code 6400

**Details of the supplier of the safety data sheet**

Company Name Blue Cardinal Chemical, LLC  
3670 Scarlet Oak Blvd.  
St. Louis, MO 63122  
800-325-3312

**Emergency telephone number**

Emergency Telephone CHEMTEL 1-800-255-3924

### 2. HAZARDS IDENTIFICATION

**Classification (GHS-US)**

Skin Irrit. 2	H315
Eye Dam. 1	H318

Full text of H-phrases: see Section 16

**Label elements**

#### Emergency Overview

## DANGER

**Hazard statements**

H315 - Causes skin irritation

H318 - Causes serious eye damage



**Appearance:** Red liquid

**Physical state:** Liquid

**Odor:** Pinaceous-like



**Precautionary Statements - Prevention**

P264 - Wash hands and other exposed areas thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection.

**Precautionary Statements - Response**

P302 + P352 - If on skin: Wash with plenty of water.

P305 + P351 + P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

**Precautionary Statements - Storage**

Keep only in non-metallic container in a cool, well ventilated place. Keep container closed when not in use.

**Precautionary Statements - Disposal**

Dispose in a safe manner in accordance with local, state and federal regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET	CLASSIFICATION (GHS-US)
Ammonium hydroxide	1336-21-6	3-6%	*	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314

**\*The exact percentage (concentration) of composition has been withheld as a trade secret.**

**4. FIRST AID MEASURES****First aid measures****General Advice**

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation**

Allow victim to breath fresh air. Allow the victim to rest.

**Skin Contact**

Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**Most important symptoms and effect, both acute and delayed****Symptoms**

Symptoms/injuries after skin contact: Causes skin irritation  
Symptoms/injuries after eye contact: Causes serious eye irritation

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

No additional information available.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Foam. Dry powder. Carbon dioxide. Water spray. Sand. Product itself is not flammable; use extinguishing media suitable for surrounding fire.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Specific hazards arising from the chemical**

When heated, product may release irritating fumes, gases and vapors.

**Protective equipment and precautions for firefighters**

Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal precautions****For non-emergency personnel**

Emergency procedures: Evacuate unnecessary personnel.

**For emergency responders**

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

**Environmental precautions****Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Methods and material for containment and cleaning up****Methods for containment & cleaning up**

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling**

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities****Storage conditions**

Keep only in non-metallic container in a cool, well ventilated place. Keep container closed when not in use.

**Incompatible products**

Hypochlorites (bleach), iodine, acids, sodium hydroxide

**Incompatible materials**

Sources of heat.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

CLEAN 'N SHINE	
ACGIH	Not applicable
OSHA	Not applicable

AMMONIUM HYDROXIDE (1336-21-6)	
ACGIH	Not applicable
OSHA	Not applicable

**Individual protection measures, such as personal protective equipment**

<b>Personal protective equipment</b>	Avoid all unnecessary exposure.
<b>Hand protection</b>	Wear protective gloves.
<b>Eye/face protection</b>	Chemical goggles or safety glasses.
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	Not typically required; avoid breathing vapors.
<b>General Hygiene</b>	Safety shower, eye bath and washing facilities should be available. Wash hands and clothing in contact with product after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid
<b>Appearance</b>	Red Liquid
<b>Color</b>	Red
<b>Odor</b>	Pinaceous-like
<b>Odor Threshold</b>	No data available

<b><u>Property</u></b>	<b><u>Values</u></b>
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butyl acetate=1)	Similar
Flammability (solid, gas)	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 °C	<1
Solubility	Complete in water
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

## 10. STABILITY AND REACTIVITY

**Reactivity**

Hazardous polymerization will not occur.

**Chemical Stability**

Stable under normal conditions of use, storage and transport.

**Possibility Of Hazardous Reactions**

Not established.

**Conditions to avoid**

Extremely high or low temperatures.

**Incompatible Materials**

Hypochlorites (bleach), iodine, acids, sodium hydroxide

**Hazardous Decomposition Products**

Ammonia, hydrogen and nitrogen gases.

**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity** Not classified

AMMONIUM HYDROXIDE (1336-21-6)	
LD50 oral rat	350 mg/kg
ATE US (oral)	350.000 mg/kg body weight

**Symptoms** Symptoms/injuries after skin contact: Causes skin irritation  
Symptoms/injuries after eye contact: Causes serious eye damage

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Causes skin irritation
<b>Serious eye damage/irritation</b>	Causes serious eye damage
<b>Respiratory or skin sensitisation</b>	Not classified
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>Specific target organ toxicity (single exposure)</b>	Not classified
<b>Specific target organ toxicity (repeated exposure)</b>	Not classified
<b>Aspiration hazard</b>	Not classified
<b>Potential adverse human health effects and symptoms</b>	No additional information available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

AMMONIUM HYDROXIDE (1336-21-6)	
LC50 fish 1	8.2 mg/l (Exposure time: 96 h – Species: Pimephales promelas)
EC50 Daphnia 1	0.66 mg/l (Exposure time: 48 h – Species: water flea)
EC50 Daphnia 2	0.66 mg/l (Exposure time 48 h – Species: Daphnia pulex)

**Persistence and Degradability**

CLEAN 'N SHINE	
Persistence and degradability	Not established.

**Bioaccumulation**

CLEAN 'N SHINE	
Bioaccumulation	Not established.

**Soil Mobility**

No additional information available.

**Other Adverse Effects**

Avoid release to the environment.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of Wastes**

Dispose in a safe manner in accordance with local, state and federal regulations. Avoid release to the environment.

**14. TRANSPORT INFORMATION**

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**DOT**

In accordance with DOT

*Not regulated for transport.*

**ADR**

*No additional information available.*

**Transport by sea**

*No additional information available.*

**Air transport**

*No additional information available.*

**15. REGULATORY INFORMATION****U.S. Federal Regulations**

CLEAN 'N SHINE	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

**AMMONIUM HYDROXIDE (1336-21-6)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**International Regulations****CANADA**

<b>AMMONIUM HYDROXIDE (1336-21-6)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMS Classification	Class E – Corrosive Material

**EU-REGULATIONS**

<b>AMMONIUM HYDROXIDE (1336-21-6)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

No additional information available.

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

No additional information available.

**National Regulations**

<b>AMMONIUM HYDROXIDE (1336-21-6)</b>
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed in the Korean ECL (Existing Chemicals List)
Listed in NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Poisonous and Deleterious Substances Control Law
Listed on the Canadian IDL (Ingredient Disclosure List)

**U.S. State Regulations**

No additional Information available

**16. OTHER INFORMATION**

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage

Issue Date 10/20/2015

Revision Date

Revision Note

N/A = Not Applicable; N/D = Not Determined

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**