



Safety Data Sheet SHINY- SIDE

Supersedes Date DEC 2016

Issuing Date JUNE 2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SHINY- SIDE

Recommended use Cleaning agent

Manufacturer, importer, supplier

NCH AUSTRALIA PTY LTD, DIV. OF NCH CORPORATION
N2, 391, PARK ROAD, REGENTS PARK, NSW 2143

Telephone inquiry

+61-2-96690260

Emergency Telephone Number

+61-2-96690237 / 0401718972

Fax number

+61-2-96931562

Product Code 0505

Chemical nature Alkaline Aqueous solution

Distributor

NCH AUSTRALIA PTY LTD
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2. HAZARD IDENTIFICATION

Colour Red **Physical State** Liquid **Odour** Odourless

Mixture or Pure Substance: Mixture

GHS

Classification

Physical Hazards

Substances /mixtures corrosive to metals

Category 1

Health Hazard

Skin Corrosion/Irritation

Category 1A

Labelling

Signal Word

Danger



Hazard Statements

H314 - Causes severe skin burns and eye damage
H290 - May be corrosive to metals

Precautionary Statements

P234 - Keep only in original container
P260 - Do not breathe vapour or mist .
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P390 - Absorb spillage to prevent damage
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician if unwell.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P363 - Wash contaminated clothing before reuse
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms call a physician.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 - Store locked up
P406 - Store in corrosive resistant high density polyethylene (HDPE) container with a resistant in liner
P501 - Dispose of contents/container in accordance with applicable local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	ENCS	Weight %
Sodium hydroxide	1310-73-2	Present	10-30
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS			UP TO 100 %

4. FIRST AID MEASURES

General advice	Do not get in eyes, on skin or on clothing. Do not breathe vapours or spray mist.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
Skin Contact	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to physician	The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point	The product is not flammable	Method	Not applicable
Auto ignition Temperature	No information available.		
Flammability Limits in Air % Hydrogen, by reaction with metals.	Lower 4	Upper 75	
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂), Foam, Dry Chemical or Water fog. Foam. Alcohol-resistant foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical	Contact with metals may evolve flammable hydrogen gas. Material can create slippery conditions.		
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.		

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective gloves/clothing. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up & transfer to properly labelled containers. Never return spills in original containers for re-use.
Neutralizing Agent	Acetic acid, diluted.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing Do not breathe vapours or spray mist			
Storage	Keep container tightly closed in a dry and well-ventilated place Metal containers must be lined Freezing will affect the physical condition but will not damage the material. Thaw and mix before using			
Storage Temperature	Minimum	2 °C	Maximum	43 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ES-TWA	ISHL	ACGIH TLV
Sodium hydroxide	Peak: 2 mg/m ³	no data available	Ceiling: 2 mg/m ³
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS		no data available	No data available

Engineering Measures

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Tightly fitting safety goggles. Face-shield.

Eye/Face Protection

Hand Protection

Protective gloves

Skin Protection

Wear suitable protective clothing, Impervious gloves.

General Hygiene Considerations

Wear suitable gloves and eye/face protection. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Transparent
Colour	Red
Physical State	Liquid
Odour	Odourless
Odour Threshold	No data available
pH	12.5 - 13.5
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	>100 °C
Flash Point	The product is not flammable
Method	Not applicable
Evaporation Rate	0.1 (Butyl acetate=1)
Vapour Pressure	13.84mm Hg @ 21°C
Solubility	Completely soluble in water
Vapour Density	<1
Specific Gravity	1.19-1.25
Auto ignition Temperature	No information available.
Viscosity	Non viscous
Molecular Weight	No data available
Percent Volatile (Volume)	75
VOC Content (%)	0

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Oxidizing agents, Acids, Aldehydes, Halogenated hydrocarbon, Acid anhydrides, Organic materials, Contact with metals liberates hydrogen gas.
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Sodium oxides, Ammonia, Hydrogen, by reaction with metals.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information**Principle Route of Exposure** Skin contact, Eye contact, Inhalation, (mist).

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50 18,883.00 mg/kg**Dermal LD50** 9,004.00 mg/kg**Inhalation LC50****Gas** Not applicable**Mist** not applicable**Vapour** not applicable**Primary Routes of Entry** None known**Main Symptoms****Acute Effects****Eyes** Corrosive to the eyes and may cause severe damage including blindness.**Skin** Causes skin burns.**Inhalation** Harmful by inhalation. Causes burns.**Ingestion** If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. May be fatal if swallowed & enter airways.**Chronic Effects** Inhaled corrosive substances can lead to a toxic oedema of the lungs**Target Organ Effects** Eyes, Skin, Respiratory system.**Aggravated Medical Conditions** Skin disorders, Respiratory disorders.**Component Information****Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium hydroxide	no data available	= 1350 mg/kg (Rabbit)	no data available	no data available	no data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ES	ACGIH	IARC	NTP	Other
Sodium hydroxide	not applicable	not applicable	not applicable	not applicable	not applicable
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION**Product Information**

No data available

Component Information

No information available.

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sodium hydroxide	no data available	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	N/A

Eco toxicity effects

No information available

Persistence & Degradability

The product is water based & is readily biodegradable.

Bioaccumulation

No information available

Mobility

Will likely be mobile in the environment due to its water solubility but will likely degrade over time.

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of in accordance with local regulations.
Container Disposal	Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION**ADG 7**

UN-No	UN1824
Proper Shipping Name	Sodium hydroxide solution
Hazard Class	8
Packing Group	II
Haz chem Code	2R
Shipping Description	UN1824,SODIUM HYDROXIDE SOLUTION,8,PG II

15. REGULATORY INFORMATION

Australia	
POISON SCHEDULE (SUSMP)	Schedule 5

16. OTHER INFORMATION

Prepared By	Arvind Rane
Super cedes Date	DEC 2016
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Reason for Revision	GHS-SDS Format
Glossary	No information available.
List of References.	No information available.

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