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1. PRODUCT IDENTIFIER & IDENTITY FOR THE CHEMICAL

Product Identifier: SONIC 2A

Proper shipping name (ADG): Caustic Alkali Liquid NOS (Potassium hydroxide)

SUSMP name: Schedule 5 Poison (potassium Hydroxide)

Other names or synonyms:

Product Code: CH-S205A

Recommended use of the chemical and restrictions on use: Hard surface cleaner (Biodegradable).

No restrictions.

Supplier Details

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Quote 11400389

2. HAZARD IDENTIFICATION

Emergency overview: Harmful if swallowed. Moderately to severely irritating to the eyes. Irritating to skin.

Classification of the hazardous chemical

Classified as hazardous according to criteria of ASCC and classified as a dangerous good according to the ADG code.

Classification under the Globally Harmonised System of Classification and Labelling of Chemicals 4th Revised Edition:

Acute Tox. 4, H302

Eye Dam. 1, H318

Skin Irrit 2, H315

Label elements according to the National model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015)

Hazard pictograms:



Corrosion (GHS05)

Signal word: DANGER

Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation

H318 Causes serious eye damage

Precautionary statements:

P264 Wash ...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

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P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.
 P310 Immediately call a POISON CENTER or doctor/physician
 P321 Specific treatment (see ... on this label) (cleansing agent if appropriate)
 P330 Rinse mouth.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 P501 Dispose of contents/ container in accordance with local/regional/ national/international Regulations

Other hazards which do not result in classification

3. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Substance Name</i>	<i>Concentration, %</i>	<i>Product Identifier</i>	<i>Hazard Classes and Hazard Categories</i>
Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy	<10	CAS No. 160875-66-1 EC No.	Acute Tox. 4, H302 Eye Dam. 1, H318
2-(2-butoxyethoxy)ethanol	<10	CAS No. 112-34-5 EC No. 203-961-6 Index No.:	Eye Irrit. 2, H319
Potassium Hydroxide	<2	CAS No. 1310-58-3 EC No. 215-181-3	Skin Corr. 1A, H314 Acute Tox. 4, H302

Ingredients either below cut off levels or not classified in “Implementing GHS – Annex 9”

<i>Substance Name</i>	<i>Concentration, %</i>	<i>Product Identifier</i>	<i>Hazard Classes and Hazard Categories</i>
Water	>60	CAS No. 7732-18-5 EC No. 231-791-2	Not Listed
Non hazardous ingredients	<10	CAS No. EC No.	Not classified

4. FIRST AID MEASURES

Description of necessary first aid measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin: not required

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical aid immediately.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. DO NOT use mouth-to-mouth respiration.

Notes to Physician: Treat symptomatically and supportively.

Symptoms caused by exposure:

Medical Attention and Special Treatment: no information

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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Hazchem Code: 2R

Special protective equipment and precautions for fire fighters

Advice for firefighters: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Containers may explode when heated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective clothing. Slippery when spilt. Avoid accidents, clean up immediately

Environmental precautions: If the product contaminates rivers and lakes or drains inform respective authorities. Do not flush into surface water or sanitary sewer system.

General Information: Use proper personal protective equipment as indicated in Section 8.

Methods and materials for containment and cleaning up

Spills/Leaks: Place absorbed material in the same container as the spilled substance/product for disposal. For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations. For large amounts: Pump off product.

7. HANDLING AND STORAGE

Precautions for safe handling: Wash thoroughly after handling. Use only in a well-ventilated area. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Discard contaminated shoes.

Conditions for safe storage, including any incompatibilities: Store according to Australian Standards AS 3780-2008 The storage and handling of corrosive substances. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters – exposure standards, biological monitoring

HSIS Airborne Exposure Limits: 2-butoxyethanol: TWA 20 ppm (96.9 mg/m³); STEL 50 ppm (242 mg/m³), Notices: Skin absorption may be a significant source of exposure.

Sodium Hydroxide: TWA 2 mg/m³ (Peak limitation).

Appropriate engineering controls: Facilities storing or utilising this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits

Personal protective equipment (PPE)

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

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Respiratory Protection (AS/NZS 1715/1716 Approved): Wear a full-face piece dust/mist respirator
For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: pink liquid

Odour: Petroleum odour

Odour threshold: Not available

pH: pH (neat): 13.7; pH (1% solution) : 11.0

Melting point: no data

Initial boiling point and boiling range: 100°C approx.

Flash point: Not available

Evaporation rate: Not available

Flammability (solid, gas) : Not available

Vapour pressure: Not available

Vapour density: Not available

Specific Gravity: 1.05

Solubility: Miscible in all proportions

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: reacts with oxidising agents, strong acids.

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, metals, excess heat.

Incompatible materials and possible hazardous reactions: Strong acids. Strong bases. Strong oxidisers.

Hazardous Decomposition Products: Oxides of carbon

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: no information for product.

Health Effects

Skin: irritating.

Eye: Severe eye irritant.

Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. Toxic! May cause systemic poisoning with symptoms paralleling those of inhalation.

Inhalation: Causes irritation to the respiratory tract. Symptoms may include sore throat, coughing, headache, nausea and shortness of breath. High concentrations have a narcotic effect.

Chronic: No information

Respiratory or skin sensitisation: May cause respiratory irritation

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific Target Organ Toxicity (STOT) – single exposure: Not available

Specific Target Organ Toxicity (STOT) – repeated exposure: Not available

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Aspiration hazard: Not available

Information on Possible routes of exposure: Ingestion, Inhalation, Skin/ eye exposure.

Delayed Health Effects from Exposure: Not available

Interactive Effects: Not available

Mixtures of Chemicals:

C10 Branched Alcohol Ethoxylate: :Oral: LD50 judged > 500 mg/kg based on deaths at 200 mg/kg (0/6) and 2000 mg/kg (2/3) plus oral LD50 data on surrogate chemicals. Skin irritation: rabbit: Irritant. (OECD Guideline 404). Eye irritation : Moderate to severe irritation to the eyes.

2-(2-butoxyethoxy)ethanol: Oral LD50 (rat): 5660mg/kg. Dermal LD50 (rabbit): 2700 mg/kg.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy: Acute toxicity to aquatic invertebrates: Daphnia magna/EC50 (48 h): 10 - 100 mg/l. Analogous: Assessment derived from products with similar chemical character. Toxicity to aquatic plants: green algae/EC50 (72 h): 10 - 100 mg/l. Analogous: Assessment derived from products with similar chemical character.

2-(2-butoxyethoxy)ethanol : LC-50 (Fish, 96 h): 1,300 mg/l; EC-50 (daphnid, 48 h): > 100 mg/l; EC-50 (Alga, 96 h): > 100 mg/l.

Persistence and degradability: Readily biodegradable. Analogous: Assessment derived from products with similar chemical character

Bioaccumulative potential: No data

Mobility in soil: No data

Other adverse effects: None known

13. DISPOSAL CONSIDERATIONS

Disposal methods: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. State and local disposal regulations may differ from federal disposal regulations.

Disposal of any contaminated packaging: Dispose of container and unused contents in accordance with federal, state and local requirements..

Effects of sewage disposal: No data

14. TRANSPORT INFORMATION

Australian DG Classification for Road and Rail: UN Number: 1719; Shipping Name: Caustic Alkali Liquid NOS (Potassium hydroxide); DG Class: 8; Packing Group: II

Hazchem Code: 2R

Environmental hazards for Transport Purposes: Not a marine pollutant

Special precautions during transport: None

Hazchem Code: not applicable

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Australian Inventory of Chemical Substances: All ingredients listed on the AICS

SUSMP Poisons Schedule: 5 (Alkaline salts). **SAFETY DIRECTIONS:** Strongly alkaline. Avoid contact with skin and eyes. **FIRST AID INSTRUCTIONS:** For advice, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor (at once). If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by

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the Poisons Information Centre or a doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.

HSIS (Safe Work Australia) Labelling: Hazard Symbols Xi Irritating; Risk phrases:R36/38 Irritating to eyes and skin. Safety phrases: S1/2 Keep locked up and out of the reach of children S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39 Wear suitable gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

16. OTHER INFORMATION

Key abbreviations or acronyms used:

The above information is accurate to the best of the knowledge available to us. However since data safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control we make no warranty, whether express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Users should satisfy themselves that they have all current data relevant to their particular use.

End of sds