

Infosafe No™ SPRCP

Issue Date : March 2013

ISSUED by SOPURAAU

Product Name **RUBY**

Classified as hazardous according to criteria of NOHSC.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name	RUBY
Product Use	BEERLINE CLEANER CONCENTRATE.
Company Name	Sopura Australia Pty Ltd
Address	4 KINGSTON PARK COURT KNOXFIELD VIC 3180 Australia
Emergency Tel.	1300 767 872
Telephone	Tel: (03) 9765 9800
Number/Fax	Fax: (03) 9763 9243
Email	customer.service@sopura.com.au
Other Information	The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions of application are beyond our control Sopura Australia Pty Ltd and its associated companies do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Potassium Hydroxide	1310-58-3	10-30 %
	Sodium Hydroxide	1310-73-2	10-30 %
	Sequestrants	N/A	0-10 %
	Alkaline salts		0-10 %
	Surfactants	N/A	0-10 %
	Water	7732-18-5	Balance

3. HAZARDS IDENTIFICATION

Chronic Effects	Chronic effects are unlikely due to the severity of acute effects.
Inhalation	Inhalation of mists and/or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema. Inhalation of mists at elevated temperatures will increase these symptoms.
Ingestion	Corrosive to gastric tract. Ingestion may cause gastric irritation or burns. Symptoms can include nausea, vomiting, diarrhoea, abdominal pain, and convulsions. May cause perforation of gastrointestinal tract.
Skin	Corrosive to Skin - Contact with skin will cause skin irritation and may cause serious burns. The product will irritate the skin slowly so the severity of effects will depend on duration of exposure. Potential symptoms will range from redness, inflammation, blistering to chemical burns.
Eye	Corrosive to eyes. Can cause corneal burns. Contact with eyes may cause serious and Permanent damage.

4. FIRST AID MEASURES

First Aid	If you feel unwell, contact a doctor or Poisons Information Centre 131 126. (Show label where possible) Take all necessary precautions to ensure the first aid provider does not become a casualty.
Inhalation	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If victim has stopped breathing begin artificial respiration, or if heart has stopped, cardiopulmonary resuscitation. Seek immediate medical attention.
Ingestion	Do Not induce vomiting, as it may cause further damage. If patient is conscious, wash out mouth with water and give plenty of water to drink. Seek urgent medical attention.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation develops, seek medical attention. For skin burns, immediately flood burnt area with plenty of water. Cover with a clean, dry dressing. If swelling, redness, blistering or irritation occurs seek medical advice.

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Eye	If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek immediate medical attention. Urgently seek medical assistance. Transport to hospital or medical centre.
First Aid Facilities	Normal washroom facilities are generally suitable. Ensure an eyewash station and safety shower are available and ready for use.
Advice to Doctor	Treat symptomatically and as for strongly alkaline corrosive material.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Specific Methods	Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition. In the case of ALL chemical fires, extra care should be taken to avoid injury.
Specific Hazards	Decomposition is likely to give rise to a complex mixture of gases and airborne particulates, including oxides of Carbon. Fire fighters should wear self contained breathing apparatus if there is a risk of breathing in vapours.
Flash Point	Not applicable
Flammable Limits UEL	Not applicable
Flammable Limits LEL	Not applicable
Flammability	Non combustible material.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	This is an alkaline liquid. Spills should be cleaned up by trained personnel only. Spills may be slip hazard. Clear area of all unprotected personnel. Prevent Spillage from entering waterways by drain covers and/or kitty litter. Wear protective equipment to prevent skin and eye contamination. Collect and seal in properly labelled containers for disposal. Avoid contact with acids. If contamination of sewers or waterways has occurred advise the local emergency services.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)

7. HANDLING AND STORAGE

Handling	Handle and open containers with care. Ensure the appropriate personal protective equipment is used when handling this material. Avoid breathing vapour, spray or mists. Contaminated surfaces will be extremely slippery. Never add water to this product
Storage	Dangerous Goods of Class 8 Corrosives (Alkaline) are incompatible and should not be stored with any of the following: -Food Goods, Class 1, Class 4.3, Class 5, Class 6, Class 7 and Class 8 dangerous goods that are acids and unless proper segregation is provided. A dangerous goods store should also be cool, dry, well ventilated, away from direct sunlight and have restricted access.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Sodium Hydroxide 2 mg/m3 Peak limitation Potassium Hydroxide 2 mg/m3 Peak limitation
Other Exposure Information	There are no exposure standards published for this product by NOHSC. The individual exposure standards for ingredients are given above. Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be expressed in three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).
Personal Protective Equipment	The following personal protective equipment must be worn. Safety glasses, goggles or faceshield as appropriate. Enclosed footwear. Elbow-length PVC gloves. Splash apron. If risk of inhalation of spray mist exists, wear combined organic vapour respirator. If using a respirator' ensure that the cartridges are correct for the potential air contamination and are in

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Eng. Controls	good working order. Natural ventilation usually adequate when product is used as directed.. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, an exhaust ventilation system is required.
Hygiene Measures	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet. Eye wash stations should be located in the vicinity of product use. Launder contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Dark Red/Purple Liquid
Melting Point	Not determined
Boiling Point	Not determined
Solubility in Water	Miscible with water
Specific Gravity (H2O=1)	(20 C): 1.41
pH Value	11.8 (@ 2%v/v)
Flash Point	Not applicable
Flammability	Non combustible material.
Flammable Limits LEL	Not applicable
Flammable Limits UEL	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable under normal use conditons. This product is alkaline. It will reacts exothermically with all acids. DO NOT mix chemicals without prior written instructions from an authorised Sopura Representative. Avoid use on aluminium, zinc or yellow metal (copper bronze etc). While corrosion inhibitors are added to reduce corrosion, the concentrated product may corrode these materials.
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11. TOXICOLOGICAL INFORMATION

Inhalation	Inhalation of mists and/or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema. Inhalation of mists at elevated temperatures will increase these symptoms.
Ingestion	Corrosive to gastric tract. Ingestion may cause gastric irritation or burns. Symptoms can include nausea, vomiting, diarrhoea, abdominal pain, and convulsions. May cause perforation of gastrointestinal tract.
Skin	Corrosive to Skin - Contact with skin will cause skin irritation and may cause serious burns. The product will irritate the skin slowly so the severity of effects will depend on duration of exposure. Potential symptoms will range from redness, inflammation, blistering to chemical burns.
Eye	Corrosive to eyes. Can cause corneal burns. Contact with eyes may cause serious and Permanent damage.
Chronic Effects	Chronic effects are unlikely due to the severity of acute effects.
Other Information	High corrosive to any tissue with which it comes into contact. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Low systemic toxicity. Meets Standard of Food Chemicals Codex (Third Edition) (3) (4)

12. ECOLOGICAL INFORMATION

This product is highly alkaline. It will effect local flora and fauna if released into the environment. Avoid release in waterways and only dispose of in accordance with local authorities.

13. DISPOSAL CONSIDERATIONS

In dilute form discharge into an effluent system to correct pH . Contain all

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Container Disposal

spills of concentrated product from entering waterways. Dispose of concentrate in accordance with local regulations.

If practical return drums to supplier or send to a drum reconditioner without removing or defacing markings or labels. All containers should be emptied, washed out and have all caps securely fitted. Drums (even empty drums) without caps cannot be transported.

14. TRANSPORT INFORMATION

U.N. Number	1719
Proper Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S. - Sodium and Potassium Hydroxide
DG Class	8
Hazchem Code	2R
Packaging Method	3.8.8RT8
Packing Group	II
Storage and Transport	Classified as an 8 (CORROSIVE) Dangerous Substance for the purpose of transport. Refer to relevant regulations for storage and transport requirements. Not to be loaded with explosives (class 1), dangerous when wet substances (class 4.3), oxidising agents (class 5.1), organic peroxides (class 5.2), radioactive substances (class 7), foodstuffs and foodstuff empties, however exceptions may apply. This material is a Scheduled Poison (S6) and must be stored, maintained and used in accordance with the relevant regulations. Keep containers closed at all times. Store away from acids and ammonium salts. Do not store in aluminium or galvanised containers or use die-cast zinc or aluminium bungs. Steel bungs should be used. Reacts exothermically with water. Heat evolved may cause boiling and spattering. At temperatures greater than 40C tanks must be stressed relieved. Check regularly for spills and leaks.
EPG Number	8A1
IERG Number	37
IMDG EMS	F-A S-B

15. REGULATORY INFORMATION

Symbol	C Corrosive.
Safety Phrase	S24/25 Avoid contact with skin and eyes. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. and gloves and face protection.
Poisons Schedule	S6

16. OTHER INFORMATION

Contact Person/Point	Technical Manager: (03) 9765 9800 Emergency: 1300 767 872
Empirical Formula & Structural Formula	FORMULA NO: EXP
References	* NOHSC:2011- National Code of Practice for the Preparation of Material Safety Data Sheets. * NOHSC:1008- Approved Criteria for Classifying Hazardous Substances. * NOHSC:10005- List of Designated Hazardous Substances. * NOHSC:1005- Control of Workplace Hazardous Substances, National Model Regulations. * NOHSC:2007-Control of Workplace Hazardous Substances, National Code of Practice. * NOHSC:1003-Exposure Standards for Atmospheric Contaminants in the Occupational. *Component MSDS from relevant Suppliers.
Last Change	Update to Health, Safety and Environment statements.

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Signature of Preparer/Data Service	VS
SDS History	Superceeds MSDS issued April 2008.
Poisons Schedule	S6
	...End Of MSDS...

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