

# RUBY

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

Date of issue:17/11/2016

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Supersedes: 01/02/2013

Version: 1.0



### SECTION 1: Identification : Product identifier and chemical identity

#### 1.1. Product identifier

Product form : Mixtures  
Product name : RUBY  
Product code : RUBY  
Other means of identification : Concentrated Beer Line Cleaner

#### 1.2. Recommended uses and restrictions

Recommended use : Industrial Cleaning Agent  
Restrictions on use : For Industrial Use Only

#### 1.3. Supplier information

##### Supplier

SOPURA AUSTRALIA  
4 KINGSTON PARK COURT  
3180 KNOXFIELD - AUSTRALIA  
T +61 3 9765 9800 - F +61 3 9763 9243  
[aus-sales@sopura.com](mailto:aus-sales@sopura.com) - [www.sopura.com](http://www.sopura.com)

#### 1.4. Emergency telephone number

Emergency number : 1300 767 872

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

##### Classification (GHS-AU)

Skin Corr. 1A H314  
Eye Dam. 1 H318

#### 2.2. Label elements

Hazard pictograms (GHS-AU) :



GHS05

Signal word (GHS-AU) : Danger  
Contains : Potassium Hydroxide; Sodium Hydroxide; Ethylene Diamine Tetraacetic Acid- Tetrasodium salt  
Hazard statements (GHS-AU) : H314 - Causes severe skin burns and eye damage  
Precautionary statements (GHS-AU) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P264 - Wash hands, forearms and face thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing  
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 supplemental first aid instruction on this label)  
P363 - Wash contaminated clothing before reuse  
P405 - Store locked up  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

Name	CAS No	Concentration (%)
Potassium Hydroxide	1310-58-3	10 - 30
Sodium Hydroxide	1310-73-2	10 - 30
Potassium Silicate	1312-76-1	1 - 10
Ethylene Diamine Tetraacetic Acid- Tetrasodium salt	64-02-8	1 - 10

Name	CAS No	Concentration (%)
Non Hazardous Ingredients		To 100%

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice. Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse. Get immediate medical advice/attention. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: If swallowed, seek medical advice immediately and show this container or label. Rinse mouth out with water. Do not induce vomiting because of corrosive effects. Rinse mouth. Do not induce vomiting. Call a physician immediately.

#### 4.2. Symptoms caused by exposure

Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	: May cause shortness of breath, tightness of the chest, a sore throat and cough.
Symptoms/injuries after skin contact	: Causes severe burns. Burns.
Symptoms/injuries after eye contact	: Causes serious eye damage. Serious damage to eyes.
Symptoms/injuries after ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment	: Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Foam. Dry powder. Carbon dioxide. Sand.
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#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: In case of fire and/or explosion do not breathe fumes.
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#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. In the case of ALL chemical fires, extra care should be taken to avoid injury or exposure. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist, spray.
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##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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#### 6.2. Environmental precautions

Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Absorb spilled material with sand or earth.
Methods for cleaning up	: Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

### SECTION 7: Handling and storage, including how the chemical may be safely used

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Ensure the appropriate personal protective equipment is used when handling this material. When using do not eat or drink. Prevent spills and avoid operations which may contaminate clothing or work areas. Contaminated surfaces are likely to become a slip hazard. Avoid contact with skin and eyes. Do not breathe mist, spray. Wear personal protective equipment.
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Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : 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. Store locked up. Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters - exposure standards

Potassium Hydroxide (1310-58-3)		
Australia	Local name	Potassium hydroxide
Australia	TWA (Peak Limitation) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

Sodium Hydroxide (1310-73-2)		
Australia	Local name	Sodium hydroxide
Australia	TWA (Peak Limitation) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

### Exposure limit values for the other components

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering controls

Appropriate engineering controls : 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 to maintain under levels under the exposure limits. Ensure good ventilation of the work station.

### 8.4. Personal protective equipment

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.

Eye protection : Safety glasses

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment



Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state : Liquid  
Appearance :  
Colour : dark red  
Odour : Odourless.  
Odour threshold : No data available  
pH : 13 - 14  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point / Freezing point : Melting point : Not applicable  
Freezing point : ≈ 2 °C  
Boiling point : ≈ 115 °C  
Flash point : No data available  
Auto-ignition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available

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Relative density	: No data available
Density	: No data available
Solubility	: Miscible with water.
Log Pow	: No data available
Viscosity	: No data available

### SECTION 10: Stability and reactivity

Reactivity	: May be corrosive to metals. The product is non-reactive under normal conditions of use, storage and transport. May be corrosive to metals. The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	: Stable under normal conditions of use.
Possibility of hazardous reactions	: Reacts vigorously with strong oxidizers and acids.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Strong acids. Oxidizing agent.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 13 - 14
Serious eye damage/irritation	: Causes serious eye damage. pH: 13 - 14
Respiratory or skin sensitisation	: May cause irritation if ingested.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets , Environmental classification information is not mandatory . Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

Ecology - general	: 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. Before neutralisation, the product may represent a danger to aquatic organisms.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

#### 12.2. Persistence and degradability

RUBY	
Persistence and degradability	Readily biodegradable according to OECD guidelines.

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

RUBY	
GWPmix comment	No known effects from this product.

**SECTION 13: Disposal considerations**

Regional legislation (waste) : 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.

Waste treatment methods : In dilute form discharge into an effluent system to correct pH . Contain all spills of concentrated product from entering waterways. Dispose of concentrate in accordance with local regulatory requirements. Dispose of contents/container in accordance with licensed collector's sorting instructions.

**SECTION 14: Transport information**

**14.1. UN number**

UN-No. (ADG) : 1719  
UN-No. (IMDG) : 1719

**14.2. Proper Shipping Name - Addition**

Proper Shipping Name (ADG) : CAUSTIC ALKALI LIQUID, N.O.S.  
Proper Shipping Name (IMDG) : CAUSTIC ALKALI LIQUID, N.O.S.

**14.3. Transport hazard class(es)**

**ADG**

Transport hazard class(es) (ADG) : 8  
Danger labels (ADG) : 8



**IMDG**

Transport hazard class(es) (IMDG) : 8  
Danger labels (IMDG) : 8



**IATA**

Transport hazard class(es) (IATA) : Not applicable

**14.4. Packing group**

Packing group (ADG) : II  
Packing group (IMDG) : II  
Packing group (IATA) : Not applicable

**14.5. Environmental hazards**

Marine pollutant : No

**14.6. Special precautions for user**

Specific storage requirement : No data available  
Shock sensitivity : No data available

**14.7. Additional information**

Other information : No supplementary information available

**Transport by road and rail**

UN-No. (ADG) : 1719  
Special provision (ADG) : 274  
Limited quantities (ADG) : 1I  
Packing instructions (ADG) : P001, IBC02  
Portable tank and bulk container instructions (ADG) : T11  
Portable tank and bulk container special provisions (ADG) : TP2, TP27

### Transport by sea

UN-No. (IMDG)	: 1719
Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP27
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG)	: A

### 14.8. Hazchem or Emergency Action Code

Hazchemcode : 2R

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant Poisons Schedule number : Schedule 6

### 15.2. International agreements

No additional information available

## SECTION 16: Any other relevant information

Indication of changes:  
Transition to GHS format.

Data sources : Safe Work Australia- Code of Practice- Preparation of Safety Data Sheets for Hazardous Chemicals  
Safe Work Australia- Code of Practice- Labelling of Workplace Hazardous Chemicals  
NICNAS- Australian Inventory of Chemical Substances (AICS)  
NICNAS- Relevant Chemical Assessment Reports  
Safe Work Australia- Workplace Exposure Standards for Airborne Contaminants  
United Nations- Globally Harmonised System of Classification and Labelling of Chemicals (GHS)  
Safe Work Australia- Hazardous Substances Information System (HSIS)  
The National Transport Commission- Australian Dangerous Goods Code (ADG Code)  
Relevant Raw Material Suppliers- Component Safety Data Sheets.

Revision date : 17/11/2016

Other information : EMERGENCY CONTACT NUMBER (Exposure and Environment): 1300 767 872. 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.

Classification:

Skin Corr. 1A	H314
Eye Dam. 1	H318

Full text of H-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
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
H319	Causes serious eye irritation

SDS GHS SOAU-3

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