

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
 Product name : BLC-1324
 Product code : 30027

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

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

1.4. Details of manufacturer or importer

Supplier

SOPURA AUSTRALIA
 4 KINGSTON PARK COURT
 KNOXFIELD VICTORIA 3180
 AUSTRALIA

T +61 3 9765 9800 - F +61 3 9763 9243

aus-sales@kersia-group.com - <https://www.kersia-group.com/>

1.5. Emergency phone number

Emergency number : 1300 767 872

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Corrosive to metals, Category 1	H290
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1	H314
Serious eye damage/eye irritation, Category 1	H318

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Corrosion Exclamation mark

Signal word (GHS AU) : Danger

Contains : Potassium Hydroxide (10 – 30 %); Sodium Hydroxide (10 – 30 %); Ethylene Diamine Tetraacetic Acid- Tetrasodium salt (1 – 10 %)

Hazard statements (GHS AU) : H290 - May be corrosive to metals
 H302 - Harmful if swallowed
 H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS AU) : P234 - Keep only in original container.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P280 - Wear face shield, protective clothing, protective gloves.
 P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep 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.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material damage.
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.

Additional hazard statements (GHS AU) : For exposure advice within Australia contact the Poisons Information Centre 131 126.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Potassium Hydroxide	1310-58-3	10 – 30	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
Sodium Hydroxide	1310-73-2	10 – 30	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
Potassium Silicate	1312-76-1	1 – 10	Skin Irrit. 2, H315
Ethylene Diamine Tetraacetic Acid- Tetrasodium salt	64-02-8	1 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Other substances (not contributing to the classification of this product)	-	up to 100	Not classified

SECTION 4: First aid measures

4.1. Description of necessary 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 person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash with plenty of water/.... Get immediate medical advice/attention. Call a physician immediately. For skin burns, immediately flood the burnt area with plenty of water. Do not remove the chemical and the clothing. Chemical burns must be treated promptly by a physician.

First-aid measures after eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician immediately. Rinse immediately with plenty of water. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

First-aid measures after ingestion : Call a physician immediately. 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.

4.2. Symptoms caused by exposure

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after inhalation : May cause shortness of breath, tightness of the chest, a sore throat and cough.

Symptoms/effects after skin contact : Causes severe burns. Burns.

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Symptoms/effects after eye contact : Causes serious eye damage. Serious damage to eyes.
Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns.

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Sand. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Unsuitable extinguishing media are not known.

5.2. Specific hazards arising from the chemical

Fire hazard : In case of fire and/or explosion do not breathe fumes.
General measures : No action shall be taken without appropriate training or involving any personal risk. Notify authorities if product enters sewers or public waters.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Thermal decomposition can lead to the release of irritating gases and vapours.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Keep upwind. Fight fire from safe distance and protected location.
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.
Hazchem Code : 2R

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No action shall be taken without appropriate training or involving any personal risk. Notify authorities if product enters sewers or public waters.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

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".

6.2. Environmental precautions

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

6.3. Methods and materials 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.

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SECTION 7: Handling and storage

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 dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
- Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Does not require any specific or particular technical measures.
- 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 in corrosive resistant container with a resistant inner liner. Keep only in original container. Store locked up. Store in a well-ventilated place. Keep cool.
- Incompatible materials : Metals.
- Information on mixed storage : Store away from incompatible materials and products. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
- Storage area : Keep out of direct sunlight.
- Special rules on packaging : Position containers so that any labeling information is visible. Keep packaging closed when not in use. Check containers and packaging regularly for leaks and damage.
- Packaging materials : Keep only in original packaging.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Potassium Hydroxide (1310-58-3)	
Australia - Occupational Exposure Limits	
Local name	Potassium hydroxide
OES C	2 mg/m ³
USA - ACGIH - Occupational Exposure Limits	
Local name	Potassium hydroxide
ACGIH OEL C	2 mg/m ³
Remark (ACGIH)	URT, eye, & skin irr
Sodium Hydroxide (1310-73-2)	
Australia - Occupational Exposure Limits	
Local name	Sodium hydroxide
OES C	2 mg/m ³
USA - ACGIH - Occupational Exposure Limits	
Local name	Sodium hydroxide
ACGIH OEL C	2 mg/m ³
Remark (ACGIH)	URT, eye, & skin irr

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

8.2. Monitoring methods

Monitoring methods : Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. 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.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Personal protective equipment (PPE) must be suited to the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Avoid all unnecessary exposure. Safety shower with an appropriate liquid. Ocular shower with suitable liquid.

Hand protection : Wear gloves resistant to chemical penetration: Polyvinylchloride (PVC) /, Nitrile rubber (NBR) /, Butyl rubber (IIR) /

Eye protection : Eye protection is provided by the respiratory protection (see section)

Skin and body protection : Wear safety footwear: Chemical resistant boots. Wear protective clothing: Corrosionproof clothing

Respiratory protection : Wear appropriate mask: Combined full gas/dust mask with filter type

Personal protective equipment symbol(s)



Other information : The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : No data available
Colour : dark red
Odour : characteristic
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: $\approx 2\text{ }^{\circ}\text{C}$
Boiling point : $\approx 115\text{ }^{\circ}\text{C}$
Flash point : No data available
Auto-ignition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative density : No data available
Density : Relative density: 1.345 – 1.375
Solubility : Miscible with water.
Partition coefficient n-octanol/water (Log Pow) : No data available
Explosive properties : No data available
Explosive limits : No data available
Minimum ignition energy : No data available
Fat solubility : No data available

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

SECTION 10: Stability and reactivity

Reactivity	: 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. metals.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ATE AU (oral)	1737.318 mg/kg bodyweight
---------------	---------------------------

Potassium Hydroxide (1310-58-3)

ATE AU (oral)	500 mg/kg bodyweight
---------------	----------------------

Ethylene Diamine Tetraacetic Acid- Tetrasodium salt (64-02-8)

ATE AU (oral)	500 mg/kg bodyweight
---------------	----------------------

Skin corrosion/irritation	: Causes severe skin burns. 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.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

12.2. Persistence and degradability

BLC-1324	
Persistence and degradability	Readily biodegradable according to OECD guidelines.

12.3. Bioaccumulative potential

No additional information available

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

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

BLC-1324

Fluorinated greenhouse gases	False
------------------------------	-------

Potassium Hydroxide (1310-58-3)

Fluorinated greenhouse gases	False
------------------------------	-------

Sodium Hydroxide (1310-73-2)

Fluorinated greenhouse gases	False
------------------------------	-------

Potassium Silicate (1312-76-1)

Fluorinated greenhouse gases	False
------------------------------	-------

Ethylene Diamine Tetraacetic Acid- Tetrasodium salt (64-02-8)

Fluorinated greenhouse gases	False
------------------------------	-------

Other substances (not contributing to the classification of this product)




Fluorinated greenhouse gases	False
------------------------------	-------

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

ADG	IMDG	IATA
14.1. UN number		
1719	1719	1719
14.2. UN Proper Shipping Name		
CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE SOLUTION)	CAUSTIC ALKALI LIQUID, N.O.S. (Potassium Hydroxide)	Caustic alkali liquid, n.o.s. (Potassium Hydroxide)
14.3. Transport hazard class(es)		
8	8	8
		
14.4. Packing group		
II - substances presenting medium danger	II	II

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

ADG	IMDG	IATA
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: 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
Excepted quantities (ADG) : E2
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
Properties and observations (IMDG) : Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes.

Air transport

UN-No. (IATA) : 1719
PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y840
PCA limited quantity max net quantity (IATA) : 0.5L
PCA packing instructions (IATA) : 851
PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 855
CAO max net quantity (IATA) : 30L
Special provisions (IATA) : A3, A803
ERG code (IATA) : 8L

14.8. Hazchem or Emergency Action Code

Hazchem Code : 2R

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions Inventory) status

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Poison

15.2. International agreements

No additional information available

SECTION 16: Other information

Indication of changes:

Mandatory 5 year SDS review.

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. 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
Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants
Safe Work Australia - Hazardous Chemical Information System (HCIS)
Australian Inventory of Industrial Chemicals (AICIS Inventory)
Environmental Protection Authority - Hazardous Substances (Hazard Classification) Notice 2020
Environmental Protection Authority - Hazardous Substances (Safety Data Sheets) Notice 2017
Environmental Protection Authority - Hazardous Substances (Labelling) Notice 2017
New Zealand - Chemical Classification and Information Database (CCID)
New Zealand - Inventory of Chemicals (NZIoC)
European Chemicals Agency (ECHA) - Annex VI (C&L Inventory)
European Chemicals Agency (ECHA) - REACH Study Results
European Chemicals Agency (ECHA) - REACH Registration Dossiers
United Nations - Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Uniform Scheduling of Medicines and Poisons (SUSMP)
United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG Model Regulation)
Australian Dangerous Goods Code (ADG Code)
International Air Transport Association Dangerous Goods Regulations (IATA DGR)
International Maritime Dangerous Goods (IMDG Code).

Revision date

: 21/10/2021

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	
Met. Corr. 1	H290
Acute Tox. 4 (Oral)	H302
Skin Corr. 1	H314
Eye Dam. 1	H318

BLC-1324

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Full text of H-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage

Safety Data Sheet (SDS), Australia

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 ustralia 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.