

SAFETY DATA SHEET

GRILLO

Infosafe No.: VAR86
ISSUED Date : 17/10/2016
ISSUED by: Milestone Chemicals Pty. Ltd.

1. IDENTIFICATION

GHS Product Identifier

GRILLO

Company Name

Milestone Chemicals Pty. Ltd. (ABN 85115166357)

Address

115 Northern Road West Heidelberg
VIC 3081 AUSTRALIA

Telephone/Fax Number

Tel: (03) 9450 4555
Fax: (03) 9457 5518

Emergency phone number

Poisons Information Centre Tel 131126

Recommended use of the chemical and restrictions on use

Heavy Duty Alkaline cleaner for use on Ovens, Grills and Hotplates.

Disclaimer

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 are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Acute Toxicity - Oral: Category 4
Eye Damage/Irritation: Category 1
Skin Corrosion/Irritation: Category 1B

Signal Word (s)

DANGER

Hazard Statement (s)

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

Precautionary Statement (s)

P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s)

Corrosion, Exclamation mark



Precautionary statement – Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P363 Wash contaminated clothing before reuse.

Precautionary statement – Storage

P405 Store locked up.

Precautionary statement – Disposal

P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Potassium hydroxide	1310- 58- 3	10- 30 %
Sodium hydroxide	1310- 73- 2	1- 10 %
Ingredients determined not to be hazardous, including water.		to 100%
Sodium Silicate Solution	1344- 09- 8	10- 30 %

4. FIRST-AID MEASURES

Inhalation

Remove from exposure. Do not use mouth-to-mouth method if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. Obtain immediate medical attention.

Ingestion

Immediately rinse mouth with water. Do NOT induce vomiting. Give a glass of water to be taken slowly. Seek immediate medical attention.

Skin

Remove all contaminated clothing and immediately wash affected area with plenty of water. If swelling, redness, blistering or irritation occurs, seek medical advice.

Eye contact

Hold eyes open and flood with running water for at least 15 minutes, bathe eyes with soothing eyedrops or sterile saline, urgently seek medical attention. Transport to hospital or medical centre.

First Aid Facilities

Eye wash station and normal washroom facilities.

Advice to Doctor

Product is a mixture containing a moderate proportion of potassium hydroxide. Corrosive by all routes. Risk of serious eye damage. If swallowed, may cause holes in stomach and intestines; gastric lavage may be contraindicated. Treat symptomatically. Contact Poisons Information Centre.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate to surrounding fire.

Hazards from Combustion Products

Corrosive or toxic fumes.

Specific Methods

In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.

Specific Hazards Arising From The Chemical

Not flammable. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas. Will react vigorously or violently with acids, generating much heat, and giving off carbon dioxide, a simple asphyxiant. Contact with ammonium compounds will generate ammonia, a poisonous gas.

Hazchem Code

2X

Other Information

If tanks, drums or containers of this material are heated, they may rupture and project corrosive materials over a wide area.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Do not walk or touch spilt material unless wearing personal protection as outlined under MSDS. Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour.

Spills & Disposal

For large spills:

Contain spillages with sand or earth. Transfer both liquid and solids to suitable container(s). Treat residues as for small spills.

For small spills:

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, absorb on inert absorbent and transfer to suitable container. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

7. HANDLING AND STORAGE

Conditions for safe storage, including any incompatibilities

Store in cool place in original container. Store away from oxidisers, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Large quantities should be stored in a bunded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Potassium hydroxide		TWA	2	mg/m3	Peak limitation
Sodium hydroxide		TWA	2	mg/m3	Peak limitation

Appropriate Engineering Controls

In very confined spaces have sufficient ventilation. Do not atomise the product. Do not enter confined spaces where vapours may have accumulated. Keep containers closed when not in use. Do not decant in unlabelled bottles. Avoid using aluminium, tin, zinc, galvanised iron, wood or wood products as materials of construction.

Personal Protective Equipment

This product is extremely corrosive. Avoid contact with skin and eyes. Avoid breathing aerosols. Recommended personal protection:-

Neoprene or nitrile apron

Neoprene or nitrile.

Chemical goggles or faceshield to protect eyes.

Respirators in accordance with AS/NZS 1715/1716. The use of a P1 respirator with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Clear, water white liquid.

Odour

No specific odour

Boiling Point

approx. 100C

Solubility in Water

Miscible with water in all proportions.

Specific Gravity

1.4

pH

12.5-13.0 (1% solution)

Flash Point

None

Flammability

Not flammable.

Other Information

Very alkaline mixture. Will react vigorously or violently with acids or acidic compounds. Corrodes active metals, such as aluminium, tin or zinc, generating hydrogen, a flammable gas. Contact with ammonium compounds may generate ammonia, a toxic gas. Will absorb carbon dioxide from the air, forming carbonates. May react with organic halogen compounds, especially trichloroethylene. May form shock-sensitive salts with nitro compounds. Will attack wood and wood products. May attack glass on prolonged contact. Slippery when spilled.

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal use conditions.

Conditions to Avoid

Incompatible materials, prolonged exposure to air.

Incompatible materials

Acids and acidic compounds, active metals, ammonium compounds, glass, nitro compounds, organic halides, wood and paper products.

Hazardous Decomposition Products

Emits choking and corrosive fumes when heated to decomposition.

Possibility of hazardous reactions

Hydrogen gas is generated when undiluted material contacts aluminium, zinc or tin. May react violently with acids. May generate ammonia from ammonium compounds. May react violently with organic halides. May form shock-sensitive salts with nitro compounds.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

Acute Toxicity - Oral

LD50 Potassium Hydroxide: 273mg/kg oral, rabbit

Sodium Hydroxide: 140-340 mg/kg oral, rat

Ingestion

Corrosive. May cause serious burns to the mouth, throat and gastrointestinal system. May cause a burning pain in the throat and epigastrium, nausea, vomiting, abdominal pains and diarrhoea (occasionally bloody), fall in blood pressure, death. May cause burns and perforation of the stomach and intestines, and the sites of subsequent scarring have been associated with the development of stomach cancer.

Inhalation

An unlikely route owing to the low volatility of ingredients. Inhalation of aerosols may cause serious lung damage, and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.

Skin

Corrosive to skin - may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contamination of gloves and footwear. Repeated or prolonged contact may lead to irritant contact dermatitis. Mists or aerosols may cause small burns.

Eye

Corrosive. Risk of serious eye damage, and permanent impairment of sight. May cause redness, pain and blurred vision. Liquid splashes into the eye may rapidly cause severe tissue damage and deep burns.

Chronic Effects

Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is corrosive and poisonous in large concentrations.

Persistence and degradability

Readily biodegradable.

Mobility

Readily transported by water.

Environmental Fate

This substance may cause long term adverse effects in the aquatic environment.

Environmental Protection

Avoid contaminating waterways, drains, sewers, or ground.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

Product Disposal

Avoid disposal to natural waters or the environment.

14. TRANSPORT INFORMATION

Transport Information

Store away from acids.

Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.

Classified as a Class 8 Dangerous Good.

U.N. Number

3266

UN proper shipping name

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

Transport hazard class(es)

8

Packing Group

II

Hazchem Code

2X

IERG Number

37

15. REGULATORY INFORMATION

Poisons Schedule

S6

Australia (AICS)

All components listed.

16. OTHER INFORMATION

Date of preparation or last revision of SDS

17/10/2016

References

Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice
Standard for the Uniform Scheduling of Medicines and Poisons
Australian Code for the Transport of Dangerous Goods by Road & Rail
Globally Harmonised System of classification and labelling of chemicals

Signature of Preparer/Data Service

Technical manager Tel: (03) 9450 4555

Technical Contact Numbers

Emergency Advice All Hours:

Chief Chemist Tel: (03) 9450 4555 Mon-Fri 8am - 6pm

Poisons Information Centre: 13 11 26 - 24hrs

Other Information

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.

END OF SDS

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