

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 20.5.2020

Revision: 20.5.2020

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** KLEENLINE

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:**

For soil acidification, dripper line cleaning/unblocking, irrigation water pH management and fertiliser.

**Details of Manufacturer or Importer:**

Agspec Australia Pty Ltd  
1 Krummel Road  
Mt Gambier, SA 5290

**Phone Number:** +61 427 490 551

**Emergency telephone number:** +61 427 490 551

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



corrosion

Skin Corrosion/Irritation 1C      H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1      H318 Causes serious eye damage.



Acute Toxicity (Oral) 4      H302 Harmful if swallowed.

Acute Toxicity (Inhalation) 4      H332 Harmful if inhaled.

STOT SE 3      H335 May cause respiratory irritation.

**Signal Word** Danger

**Hazard Statements**

H302+H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

**Precautionary Statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P264 Wash hands thoroughly after handling.

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

P271 Use only outdoors or in a well-ventilated area.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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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/doctor.

P321 Specific treatment (see on this label).

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P363 Wash contaminated clothing before reuse.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.



P501 Dispose of contents/container in accordance with local/regional/national regulations.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### Chemical Characterization: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Hazardous Components:

21351-39-3	monocarbamide dihydrogen sulfate	55%
	 Skin Corrosion/Irritation 1C, H314; Serious Eye Damage/Irritation 1, H318;  Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332; STOT SE 3, H335	

### 4. FIRST AID MEASURES

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

#### Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

#### Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

#### Ingestion:

If swallowed, do not induce vomiting. Rinse out mouth with water and drink milk to dilute the product. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

#### Symptoms Caused by Exposure:

Inhalation: May cause coughing and respiratory tract irritation.

Skin Contact: May cause pain or irritation and redness. Blistering may occur.

Eye Contact: May cause pain, watering and redness.

Ingestion: Adverse symptoms may include stomach pains.

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

#### Specific Hazards Arising from the Chemical:

The product decomposes at temperatures above 110°C releasing carbon dioxide. Due to the increased pressure caused by the carbon dioxide, there is a risk of breaking the closed containers. Cool containers with water spray.

In contact with metals the product can generate hydrogen, which can become flammable with the air. Hazardous

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combustion products include oxides of carbon, sulphur and nitrogen.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

**Environmental Precautions:** In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

## 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat. Keep away from strong oxidising agents, chlorates or sulphur based products.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Ensure adequate ventilation of the working area.

**Respiratory Protection:** Not necessary if room is well-ventilated.

**Skin Protection:**

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

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**9 . PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Neutral
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	<1
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	~100 °C
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	
<b>Decomposition Temperature:</b>	Not determined.
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	Not determined.
<b>Density:</b>	Not determined.
<b>Relative Density at 20 °C:</b>	1.50-1.52
<b>Vapour Density:</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.
<b>Solubility in Water:</b>	Completely soluble
<b>Partition Coefficient (n-octanol/water):</b>	Not determined.

**10 . STABILITY AND REACTIVITY****Possibility of Hazardous Reactions:**

The contact with alkaline products generates heat. The contact with hypochlorites, sulphurs or cyanides will generate toxic gases. At temperatures above 110°C, it decomposes vigorously, generating carbon dioxide.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Extreme temperatures

**Incompatible Materials:** Keep away from strong oxidising agents, chlorates or sulphur based products.

**Hazardous Decomposition Products:** Oxides of carbon, sulphur and nitrogen.

**11 . TOXICOLOGICAL INFORMATION****Toxicity:****Acute Health Effects**

**Inhalation:** Harmful if inhaled. May cause coughing and respiratory tract irritation.

**Skin:** May cause pain or irritation and redness. Blistering may occur.

**Eye:** May cause pain, watering and redness.

**Ingestion:** Harmful if ingested. Adverse symptoms may include stomach pains.

**Skin Corrosion / Irritation:** Causes severe skin burns.

**Serious Eye Damage / Irritation:** Causes serious eye damage.

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**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**  
Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** No information available

**Existing Conditions Aggravated by Exposure:** No information available

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available

**Aquatic toxicity:** Toxic to aquatic organisms.

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

**Other adverse effects:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

<b>UN Number ADG, IMDG, IATA</b>	UN1760
<b>Proper Shipping Name ADG</b>	1760 CORROSIVE LIQUID, N.O.S. (monocarbamide dihydrogen sulfate)
<b>IMDG, IATA</b>	CORROSIVE LIQUID, N.O.S. (monocarbamide dihydrogen sulfate)
<b>Dangerous Goods Class ADG Class:</b>	8 (C9) Corrosive substances.
<b>IMDG Class:</b>	8 Corrosive substances.
<b>Packing Group: ADG, IMDG, IATA</b>	III
<b>EMS Number:</b>	F-A,S-B

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<b>Hazchem Code:</b>	2X
<b>Special Provisions:</b>	223, 274
<b>Limited Quantities:</b>	5L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC03, LP01
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T7
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP1, TP28

## 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:** This chemical is not found in AICS.

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**  
Poisons Schedule: 6

## 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 20.5.2020

**Prepared by:** MSDS.com.au

### Abbreviations and acronyms:

ADG: Australian Dangerous Goods  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 IARC: International Agency for Research on Cancer  
 STEL: Short Term Exposure Limit  
 TWA: Time Weighted Average  
 NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)  
 Acute Toxicity (Oral) 4: Acute toxicity – Category 4  
 Skin Corrosion/Irritation 1C: Skin corrosion/irritation – Category 1C  
 Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

### Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011”

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