



# SAFETY DATA SHEET

## KLEENUP GRANULES

Infosafe No.: X01CT

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ISSUED Date : 08/07/2021

ISSUED by: SST AUSTRALIA PTY LTD

### Section 1 - Identification

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**Product Identifier**

KLEENUP GRANULES

**Company Product Codes / Numbers / Unique Identifiers**

140010634

**Company Name**

SST AUSTRALIA PTY LTD

**Address**

Level 3, 35 Cotham Road, Kew, Victoria 3101

Australia

**Telephone/Fax Number**

Telephone: 03 9720 6306 Fax number: 03 9720 6407

**Emergency Phone Number**

1800 638 556

**E-mail Address**

compliance@axieo.com

**Recommended use of the chemical and restrictions on use**

Agricultural spray tank cleaner and decontaminant.

### Section 2 - Hazard(s) Identification

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**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

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

Acute toxicity: Category 4 - Oral

Acute toxicity: Category 4 - Inhalation

Corrosive to metals: Category 1

Skin corrosion/irritation: Category 1A

Eye damage/irritation: Category 1

Specific target organ toxicity (single exposure): Category 3 (Respiratory tract irritation)

Hazardous to the Aquatic Environment - Acute Hazard: Category 1

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

AUH031 Contact with acids liberates toxic gas.

**Pictogram (s)**

Corrosion, Exclamation mark, Environment

**Precautionary Statement – Prevention**

- P234 Keep only in original packaging.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

**Precautionary Statement – Response**

- P310 Immediately call a POISON CENTER/doctor.  
 P390 Absorb spillage to prevent material damage.  
 P391 Collect spillage.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 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 [or shower].  
 P363 Wash contaminated clothing before reuse.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Precautionary Statement – Storage**

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P406 Store in a corrosion resistant container with a resistant inner liner.

**Precautionary Statement – Disposal**

- P501 Dispose of contents/container to an approved waste disposal plant.

**Section 3 - Composition and Information on Ingredients****Ingredients**

Name	CAS	Proportion
Sodium carbonate, anhydrous	497- 19- 8	30- 60 %
Sodium Dichloroisocyanurate dihydrate	51580- 86- 0	10- <30 %
Sodium hydroxide	1310- 73- 2	10- <20 %
Disodium metasilicate	6834- 92- 0	10- <20 %
Ingredients determined not to be hazardous		Balance

**Section 4 - First Aid Measures****Inhalation**

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.

**Eye**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until

advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

**First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

## Section 5 - Firefighting Measures

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**Suitable Extinguishing Media**

Carbon dioxide, dry chemical, foam, water mist or water spray.

**Unsuitable Extinguishing Media**

Do not use water jet.

**Hazards from Combustion Products**

The product is non-combustible, however, the packaging material may burn to emit noxious fumes. Contact with metals may liberate hydrogen gas which is extremely flammable, especially in the presence of water.

**Specific hazards arising from the chemical**

This product is non combustible.

**Hazchem Code**

2X

**Decomposition Temperature**

Not available

**Precautions in connection with Fire**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

## Section 6 - Accidental Release Measures

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**Emergency Procedures**

Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe dust. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by sweeping up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to suitable containers. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## Section 7 - Handling and Storage

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**Precautions for Safe Handling**

Corrosive solids. Attacks skin and eyes. Causes burns. Avoid breathing in dust. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

**Conditions for safe storage, including any incompatibilities**

Corrosive. Store in a cool, dry, well-ventilated area. Store away from oxidising agents and bases/acids. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Store in original packages as approved by manufacturer. Ensure that storage conditions comply with applicable local and national regulations.

Shelf life: 2 years from manufacturing date (when stored as directed).

For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 The storage and handling of corrosive substances.

**Corrosiveness**

May be corrosive to metals.

**Other Information**

The shelf life is 2 years.

## Section 8 - Exposure Controls and Personal Protection

### Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Sodium hydroxide	Safe Work Australia	TWA	2	mg/m <sup>3</sup>	(Peak limitation)
Sodium Dichloroisocyanurate dihydrate	Safe Work Australia	TWA	1	ppm	(Peak limitation) (Chlorine)
Sodium Dichloroisocyanurate dihydrate	Safe Work Australia	TWA	3	mg/m <sup>3</sup>	(Peak limitation) (Chlorine)

### Biological Monitoring

No biological limits allocated.

### Control Banding

Not available

### Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing solid/dust away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye and Face Protection

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material, elbow-length laminate film, natural rubber, nitrile, neoprene, neoprene/natural rubber blend or PVC. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Thermal Hazards

No further relevant information available.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

### Other Information

No exposure standards have been established for this material, however, the TWA exposure standards for dust not otherwise specified is 10 mg/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible levels.

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Source: Safe Work Australia

## Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Powder	Appearance	White to off white powder
Colour	White to off white	Odour	Light chlorine odour
Melting Point	Not available	Boiling Point	Not available
Decomposition Temperature	Not available	Solubility in Water	Fully soluble
Specific Gravity	0.9-1.0 (approximate)	pH	>13 (1% solution)
Vapour Pressure	Not available	Relative Vapour Density (Air=1)	Not available

<b>Evaporation Rate</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity	<b>Volatile Component</b>	Not available
<b>Partition Coefficient: n-octanol/water (log value)</b>	Not available	<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Non combustible material.	<b>Auto-Ignition Temperature</b>	Not available
<b>Explosion Limit - Upper</b>	Not applicable	<b>Explosion Limit - Lower</b>	Not applicable
<b>Explosion Properties</b>	Not available	<b>Oxidising Properties</b>	Not available
<b>Kinematic Viscosity</b>	Not available	<b>Dynamic Viscosity</b>	Not available

## Section 10 - Stability and Reactivity

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### Reactivity

Refer to Section 10: Possibility of hazardous reactions

### Chemical Stability

Stable under normal conditions of storage and handling.

The shelf life is 2 years.

### Possibility of hazardous reactions

Reacts violently with acids, releasing toxic chlorine gas. Reacts exothermically on dilution with water. Reacts with ammonium salts and a toxic ammonia gas may be liberated. Reacts with certain soft metals, including aluminium and galvanised surfaces, releasing flammable hydrogen gas, especially if moist.

### Conditions to Avoid

Extremes of temperature and direct sunlight.

Do not combine part drums of the same product, as this may be a source of contamination.

### Incompatible Materials

Acids, ammonium salts, aluminium, tin or zinc coated metals. May be corrosive to metals. Contact with acids liberates toxic gas.

### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes including: chlorine gas and nitrogen trichloride. The packaging material may burn to emit noxious fumes.

### Hazardous Polymerization

Not available

## Section 11 - Toxicological Information

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### Toxicology Information

Available toxicity data is given below.

#### Acute Toxicity - Oral

Sodium hydroxide

Oral Lowest Lethal Dose (rabbit): 500 mg/kg

Disodium metasilicate

LD50 (rat): 1153 mg/kg

LD50 (mice): 770 mg/kg

LDLo (dog): 250 mg/kg

#### Ingestion

Harmful if swallowed. Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

#### Inhalation

Harmful if inhaled. Inhalation will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema. May cause respiratory irritation. Inhalation of product dust can cause irritation of the nose, throat and respiratory system. Chronic exposure to this material may aggravate existing respiratory disorders and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.

#### Skin

Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

Sodium hydroxide

Skin (rabbit): 500 mg/24hr

Result: severe irritation

Disodium metasilicate  
Skin (human): 250 mg/24hr  
Result: severe irritation

**Eye**

Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

Sodium hydroxide

Eyes (rabbit): 1 mg/30sec rinse

Result: severe irritation

**Respiratory Sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ Cell Mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT - Single Exposure**

May cause respiratory irritation.

**STOT - Repeated Exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

**Other Information**

Sodium hydroxide

Intrapertoneal LD50 (mouse): 40 mg/kg

## Section 12 - Ecological Information

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**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

The product is highly alkaline. If large spills occurred a water pH rise could be responsible for an environmental effect on aquatic organisms. If not neutralised this product could potentially be toxic for aquatic organisms because of its alkalinity (pH >9 can have an effect on fish, with possible fish death). pH >8.5 could be destroying for algae.

**Persistence and degradability**

Surfactants are considered readily biodegradable (AS4351).

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Do not discharge this material into waterways, drains and sewers.

**Hazardous to the Ozone Layer**

This product is not expected to deplete the ozone layer.

## Section 13 - Disposal Considerations

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**Disposal Considerations**

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

To minimise personal exposure, refer to Section 8 - Exposure Controls and Personal Protection.

## Section 14 - Transport Information

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### Transport Information

This material is classified as Dangerous Goods Class 8 Corrosive Substances

Class 8: Corrosive substances Dangerous Goods are incompatible in a placard load with any of the following:

Class 1: Explosives

Division 4.3: Dangerous when wet substances

Division 5.1: Oxidising substances

Division 5.2: Organic peroxides

Class 6: Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids.

Class 7: Radioactive materials unless specifically exempted

And are incompatible with food and food packaging in any quantity.

Note 2: Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis.

Packing Group I and II acids and alkalis should be considered as strong.

### ADG U.N. Number

1759

### ADG Proper Shipping Name

CORROSIVE SOLID, N.O.S. - (Contains Sodium hydroxide & Disodium metasilicate)

### ADG Transport Hazard Class

8

### ADG Packing Group

II

### Hazchem Code

2X

### IERG Number

37

### Special Precautions for User

Not available

### IATA UN Number

1759

### IATA Proper Shipping Name

CORROSIVE SOLID, N.O.S. - (Contains Sodium hydroxide & Disodium metasilicate)

### IATA/ICAO Symbol

Corrosive

### IATA Transport Hazard Class

8

### IATA Packing Group

II

### IMDG UN Number

1759

### IMDG Proper Shipping Name

CORROSIVE SOLID, N.O.S. - (Contains Sodium hydroxide & Disodium metasilicate)(Sodium Dichloroisocyanurate dihydrate) MARINE POLLUTANT

### IMDG Transport Hazard Class

8

### IMDG Packing Group

II

### IMDG EMS

F-A,S-B

### IMDG Marine pollutant

Yes

### Transport in Bulk

Not available

## Section 15 - Regulatory Information

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### Regulatory Information

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

S6

**Australia (AICS/AIIC)**

All components of this product are listed on the Inventory or exempted.

**Montreal Protocol**

Not Listed

**Stockholm Convention**

Not Listed

**Rotterdam Convention**

Not Listed

**International Convention for the Prevention of Pollution from Ships (MARPOL)**

Not available

**Agricultural and Veterinary Chemicals Act 1994**

Not applicable

**Basel Convention**

Not available

## Section 16 - Any Other Relevant Information

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**Date of Preparation**

SDS Reviewed: July 2021, Supersedes: July 2016

**Literature 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.

Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Code of Practice for Supply Diversion into Illicit Drug Manufacture.

National Code of Practice for Chemicals of Security Concern.

Agricultural Compounds and Veterinary Chemicals Act.

International Agency for Research on Cancer (IARC) Monographs.

Montreal Protocol on Substances that Deplete the Ozone Layer.

Stockholm Convention on Persistent Organic Pollutants (POPs).

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.

International Air Transport Association (IATA) Dangerous Goods Regulations.

International Maritime Dangerous Goods (IMDG) Code.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals.

Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

**Contact Person/Point**

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