

NATRASOAP

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Natrasoap
Other Means of Identification	-
Other Names	-
Product Use	Insecticidal spray. Pest management- refer to product label for further details
Company Name	AgroBest Australia Pty Ltd
Address	9 Palings Court Nerang QLD 4211
Telephone Number	07 5596 0622
Emergency Telephone	0419 758 458

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture



Corrosion

H314 - Causes severe skin burns Skin Corrosion/Irritation - Danger - Hazard Category 1B and eye damage.

GHS Label Elements Including Precautionary Statements

Prevention:

Do not breathe vapours.
Wash hands and eyes thoroughly after handling.
Wear protective gloves/protective clothing, eye protection/face protection.

Response:

If swallowed rinse mouth. Do not induce vomiting.
If on skin (or hair) remove immediately all contaminated clothing. Rinse skin with water.
Wash contaminated clothing before reuse.
If inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a Poison Information Center or doctor.
If in eyes rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Storage:

Store locked up.

Disposal:

Dispose of contents/container according to applicable local and state government regulations.

Other hazards which do not result in classification

No information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation	Mixture	
Ingredient (Common Name)	CAS No	Concentration
Tert-decanoic acid	52627-73-3	60-90%
Water	7732-18-5	30-60%
Potassium hydroxide	1310-58-3	10-30%
1,2,3-Propanetriol (glycerin)	56-81-5	<10%
This is a commercial product whose exact concentration of ingredients may vary slightly.		

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
Ingestion	Wash mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.
Eyes	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 if symptoms occur.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire. Use fire extinguishing media suitable to surrounding fire conditions.
Hazardous Combustion Products	No information available
Special Protective Equipment and Precautions for Fire Fighters	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	No information available.
Hazchem Code	2R

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. 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 onto sand, earth, vermiculite or some other inert 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. Ensure adequate ventilation. 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. Keep away from incompatible materials. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters - Exposure Standards (Safe Work Australia)

Potassium hydroxide:
TWA: - ppm / 2 mg/m³ Peak limitation
STEL: - ppm / - mg/m³

Engineering Controls

Glycerin mist:
TWA: - ppm / 10 mg/m³ STEL: - ppm / - mg/m³
Provide adequate ventilation to maintain air concentrations below exposure standards. While good natural ventilation may be adequate in most cases, local exhaust ventilation may be required.

Personal Protective Equipment (PPE)

Respiratory Protection

In case of intensive or longer exposure use self-contained respiratory protective device. See Australian Standards AS/NZS 1715 and 1716 for more information.

Eye/Face Protection

Safety glasses with top and side shields. See Australian Standards AS/NZS 1336 and 1337 for more information.

Skin Protection

Protective PVC gloves, protective overall, waterproof apron and safety boots. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Thermal Hazards

Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Amber liquid

Odour

No information available

Odour Threshold

No information available

pH

10-11

Melting Point / Freezing Point

Not applicable

Initial Boiling Point / Range

100°C

Flash Point

Not applicable

Evaporation Rate	<1
Flammability	Non flammable
Lower Flammability or Explosive Limit	Not applicable
Upper Flammability or Explosive Limit	Not applicable
Vapour Pressure	No information available
Vapour Density	>1
Relative Density (Specific Gravity)	1.03
Solubility in Water	Soluble
Partition coefficient: n-octanol/water	No information available
Ignition Temperature	No information available
Decomposition Temperature	No information available
VOC	No information available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at ambient temperature and under normal conditions of use
Possibility of Hazardous Reactions	No hazardous reactions will occur.
Conditions to Avoid	No information available.
Incompatible Materials	No information available.
Hazardous Decomposition Products	No information available.

11. TOXICOLOGICAL INFORMATION

<p>Toxicity</p> <p>tert-Decanoic acid: Oral LD₅₀ (rat) = 2270 mL/kg Dermal LD₅₀ (rat) > 4 mL/kg Intraperitoneal LD₅₀ (rat) = 500 mg/kg Draize test, rabbit, eye = 200mL/24hour - Moderate Draize test, rabbit, skin = 500 mL/24hour - Mild Causes respiratory irritation and CNS depression.</p> <p>Potassium hydroxide: Oral LD₅₀ (rat) = 273 mg/kg Draize test, rabbit, skin = 50 mg/24hour - Severe Causes severe eye and skin burns. May cause irreversible eye injury. Harmful if swallowed. May cause circulatory system failure and severe digestive tract burns with abdominal pain, vomiting, and possible death. Harmful if inhaled. Irritation may lead to chemical pneumonitis and pulmonary oedema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma.</p> <p>Acute Health Effects</p> <p>Routes of exposure</p>	<p>Inhalation: May cause severe irritation of upper respiratory tract with coughing, burns and breathing difficulty.</p> <p>Ingestion: May cause corrosion and tissue destruction of the oesophagus and digestive tract.</p>
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Eye: Causes eye damage.
Skin: Causes severe skin burns.

Skin Corrosion/Irritation Causes severe skin burns and eye damage.
Serious Eye Damage/Irritation Causes severe skin burns and eye damage.
Respiratory or Skin Sensitisation No information available.
Germ Cell Mutagenicity No information available.
Carcinogenicity This product does NOT contain any IARC listed chemicals.
Reproductive Toxicity No information available.
Specific Target Organ Toxicity (STOT) - Single Exposure No information available.
Specific Target Organ Toxicity (STOT) - Repeated Exposure No information available.
Aspiration Hazard No information available.
Chronic Health Effects No information available.
Existing Conditions No information available.
Aggravated by Exposure

12. ECOLOGICAL INFORMATION

Ecotoxicity No information available.
Persistence and Degradability No information available.
Bioaccumulative Potential No information available.
Mobility in Soil 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

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail (ADG 7).

UN Number 1814
Proper Shipping Name POTASSIUM HYDROXIDE SOLUTION
Dangerous Goods Class 8
Subsidiary Risk Not applicable
Hazchem Code 2R
Packing Group II
Special Provisions Not applicable
Limited Quantities 1L
Packagings & IBCs - Packing Instruction P001, IBC02
Packagings & IBCs - Special Packing Provisions Not applicable



SAFETY DATA SHEET

Portable Tanks & Bulk Containers – Instructions T7
Portable Tanks & Bulk Containers – Special TP2
Provisions

15. REGULATORY INFORMATION

Tert-decanoic acid, water, potassium hydroxide and 1,2,3-propanetriol are listed in the Australian Inventory of Chemical Substances (AICS).

Poisons Schedule: 6

16. OTHER INFORMATION

Last Revision of MSDS Rev 1.0 (08/08/2012)
Abbreviations Used GHS: Globally Harmonised System of Classification and Labeling of Chemicals
IARC: International Agency for Research on Cancer
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts

AgroBest Australia Pty Ltd	07 5596 0622
AgroBest Australia Pty Ltd – Emergency Number	0419 758 458
Police and Fire Brigade	000
Poisons Information Centre	13 11 26