

# TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

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## 1.1 COMPANY IDENTIFICATION

Company's Name: Trulux Pty Ltd  
Email address: [info@trulux.com.au](mailto:info@trulux.com.au)  
Website: [www.trulux.com.au](http://www.trulux.com.au)  
Contact number: +61 (02) 9975 2655  
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

## 1.2 PRODUCT IDENTIFICATION

Trade name: Amilite GCK-12H  
Reference number: RMTR-0120A  
Classification: Refer to clause 2

## 1.3 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses: Raw Material  
Uses advised against: No further information available.

## 1.4 DETAILS OF THE SUPPLIER OF THE SUBSTANCE INFORMATION SHEET

Supplier's Company: Trulux Pty Ltd  
Website: [www.trulux.com.au](http://www.trulux.com.au)  
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

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## 1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia Poisons Information Centre 13 11 26

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## 2 HAZARD IDENTIFICATION

Hazard Classification: Eye Damage/Irritation: Category 2B  
Skin Corrosion/Irritation: Category 2  
Hazardous to the Aquatic Environment - Acute Hazard: Category 3  
Pictogram: Exclamation Mark

GHS Hazardous Chemical (AU): Yes

Signal Word: DANGER

Hazard Statements: H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H402 Harmful to aquatic life.

Prevention: P264 Wash eyes, hands and skin thoroughly after handling.  
P280 Wear eye protection / face protection.  
P273 Avoid release to the environment.

Response: P302+352 IF ON SKIN: Wash with plenty of soap and water.  
P332+313 If skin irritation occurs: Get medical advice/attention.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 If eye irritation persists. Get medical advice/attention.

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P362 Take off contaminated clothing and wash it before use.

P391 Collect spillage.

Disposal:

P501 Dispose of contents/container to an EPA approved facility.

Other information:

Foam aspirated into the lungs, may be an Aspiration Hazard.

This product should Not be used in consumer/domestic use spray products.

Not Dangerous Goods nor a Scheduled Poison.

Workplace Hazardous Substance. [For information only]

Irritating to eyes and skin. [For information only]

Harmful to aquatic organisms. [For information only]

## 3 COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Concentration (%)
Dipotassium N-Cocoyl L-Glutamate	301341-58-2	29 - 35
Potassium Cocoate	61789-30-8	< 13
Dipotassium N-Cocoyl Glycyl Glycinate	1170699-53-2	6 - 7
Glycine	54-40-6	< 3.5
Water	7732-18-5	65 - 70

\* Amino Acid-Glycine based Surfactant Solution.

# Dipotassium 2-Dodecanamidoacetate 2-Tetradecanamidoacetate.

## 4 FIRST AID MEASURES

Inhalation: Remove to fresh air, and rest. Seek medical advice if symptoms appear.

Ingestion: Wash out the mouth with water, give 1-2 glasses of water to drink. Do NOT induce vomiting. Obtain medical attention.

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Skin contact:	Remove contaminated clothing. Wash the skin with water. Continue to rinse with water for at least 10 minutes. Seek medical attention if skin irritation occurs.
Eye contact:	Immediately rinse with water for several minutes, occasionally lifting the eyelids apart. Remove any contact lens to ensure thorough flushing. IF eye irritation occurs get immediate medical attention (an Ophthalmologist). Continue to rinse for at least 15 minutes.
First aid facility:	Eye wash immediately available, and a safety shower and wash room facilities nearby.
Advice to doctor:	Treat symptomatically. Note: this product is an Anionic Surfactant. Take care to not cause a foam, that may be aspirated into the lungs.

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## 5 FIRE FIGHTING MEASURES

Type of hazard:	Not Combustible, as these products are solutions with 65 - 70 % water.
Fire hazard properties:	Hazardous Decomposition Products: IF involved in a fire, once the water has evaporated, it may decompose to give off toxic materials. In case of fire and/or explosion do NOT breathe any fumes. Partial Decomposition forms: Harmful Organonitrogen Compounds. & Full Decomposition: CO <sub>2</sub> , Carbon Monoxide; Oxides of Nitrogen (NO <sub>x</sub> ).
Suitable extinguishing media:	Any suitable for the surrounding area. e.g. Water spray, fog or mist, Alcohol Resistant Foam, powder, Carbon Dioxide.
Not suitable extinguishing media:	Water Jets.

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Protective equipment: Under fire conditions wear Self Contained Breathing Apparatus & chemical protective clothing if a risk of exposure to the products of decomposition.

Procedures: Move containers from the fire area if you can do so without risk. Collect contaminated fire extinguishing water separately. This must not be discharged into the drains. Use water spray to keep containers cool, until well after the fire is out.

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## 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Spillage: Surfaces may be a slipping hazard. Wear protective equipment. Spillages must not be allowed to enter drains or water courses.

Contain spilled liquid. Mop up or use absorbent and shovel up. IF possible transfer larger spilled liquids into a suitable container. Otherwise, contain spilled liquid with inert material (e.g. vermiculite). Place absorbed material in clean, properly labelled containers for disposal to local Regulations.

In case of large spillages contact the local authority. Recover all rinse up to the third rinse residues for disposal. Only final residues (after a third rinse) may be flushed to sewer with plenty of water. Otherwise foaming may occur.

Take off cleanup contaminated protective clothing & wash before reuse.

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## 7 HANDLING AND STORAGE

Precautions for safe handling: Avoid skin, eye and mist inhalation contact. Wear protective equipment. Handle only with adequate ventilation and local exhaust

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ventilation where aerosol mists may be formed. Mixing and dispensing of these 30 - 35 % solutions needs to be carried out under conditions designed not to create aerosol mists. Clean contaminated equipment and protective clothing before reuse.

Conditions for safe storage, including any incompatibilities:

Keep in a closed container in a dry, cool (15 - 30 °C) place, out of direct sunlight. Store away from Oxidizers, strong Alkaline compounds and sources of heat. Amilite GCK-12H Solution becomes cloudy at < 14 °C & solidifies at < 10 °C.

Store and handle in accordance with Work Health & Safety Regulations or Occupational Health & Safety Regulations in your State/Territory.

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## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

No specific exposure standard is established by Safe Work Australia (formerly the ASCC, formerly NOHSC).

Keep atmospheric contamination as low a level as practically possible.

Nuisance Mists 10 mg/m<sup>3</sup> TWA (inspirable/inhalable mists)

Engineering Controls:

Mixing and dispensing of these 30 - 35 % solutions need to be carried out in a closed system or under conditions designed not to create aerosols.

In the surrounding area adequate ventilation needs to be provided to keep aerosol mists concentrations as low as possible.

Personal Protective Equipment:

Avoid breathing the solution mist.

Wear rubber or plastic gloves.

Wear safety glasses with side shields or goggles.

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If there is insufficient ventilation, wear respirators meeting AS1715/1716.

Always wash hands before smoking, eating, drinking or using the toilet.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance (colour, physical form, shape):	Colourless to pale yellow, clear / hazy liquid with a faint characteristic odour.
Vapour Pressure:	30 - 35 % solutions: Vapour Pressure is for the 65-70% water content.
Boiling Point / Range:	The 30-35% solution boils at >100-110°C (estimated). Note: The BP will rise as the water is boiled off.
Freezing / Melting Point:	Amilite GCK-12H Solution becomes cloudy at < 14 °C & solidifies at < 10 °C.
Specific Gravity or Density:	30 - 35 % solution: 1.1 g/cm <sup>3</sup> approx. at 20°C
Flammability:	Not Combustible as the 30 - 35 % Solution, due to the high water content.
Percent Volatile:	65 - 70 % approx. (Water content)
Solubility:	Readily dilutable with water (280 g/L at 20 °C)
Octanol/water partition coefficient:	This is a surfactant, and therefore a Partition Coefficient cannot be accurately determined, as the surfactant is expected to concentrate at the phase boundaries. log Kow = 0.16 to -3.9 at 20°C [NICNAS] & [ECHA RSD] Value of -2.8

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Additional Characteristics:	Surface Tension (0.1 % surfactant in water): 30 - 40 mN/m at 20 °C [ECHA RSD]
Decomposition Temperature:	The 65 - 70 % solutions lose water at 90 - 110 °C. By 130° have fully dried and lost all water. Dried material: Starts decomposing at > 200 °C (ECHA RSD 301341-58-2)
Molecular Weight and Formula:	Formula: An Acylglutamate represented by the following formula. $\text{K.OOC-CH}_2\text{-CH}_2\text{-CH-COO.}$ $\quad \quad \quad  $ $\quad \quad \quad \text{NH-COR}$ K -COR is a long chain acyl radical
pH:	8.0-9.0 (as supplied solution at 20°C)

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## 10 STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Possibility of Hazardous:	None known under conditions of normal use. Hazardous Polymerisation will not occur.
Conditions to Avoid:	Avoid aerosol mist formation. Heat. Decomposes with heat under strong Alkaline conditions.
Incompatible Materials:	Strong Oxidising Agents, strong Acids, strong Alkaline conditions.
Hazardous Decomposition Products:	Once heated to dryness, decomposition first releases irritating fumes of partial organic chemical decomposition products, with dense smoke. More complete decomposition may emit harmful Nitrogen Oxides (NO <sub>x</sub> ) fumes; and Carbon Monoxide gas IF burned without sufficient Oxygen.

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## 11 TOXICOLOGICAL INFORMATION

Ingestion:	May be harmful if swallowed. May cause irritation to mucous membranes in the mouth, throat, stomach and intestinal canal.
Inhalation:	The inhalation of aerosol mists is likely to cause respiratory tract irritation.
Skin:	Causes skin irritation. Prolonged contact may cause transient redness and skin cracking.
Eye:	Causes serious eye irritation, tearing, or blurring of vision.
Chronic Effects:	Repeated or prolonged contact with the neat product will cause serious eye irritation, & possible serious eye damage & will cause serious skin irritation. Prolonged contact with lower concentrations may cause skin & eye irritation.

### Toxicological Data

OVERALL FORMULATION: (by analogy to Amilite GCK-12)

Acute Oral Toxicity LD50 (rat) : >2000 mg/kg [ECHA RSD]

Acute Skin Toxicity LD50 (rat) : >2000 mg/kg [ECHA RSD]

Eye Irritation (Draize, rabbit) : Moderately irritating (5% solution)

Eye Irritation (Draize, rabbit) : Severely irritating (35% product - estimated)

Skin Irritation (Draize, rabbit) : Mildly irritating (5% solution)

Skin Irritation (Draize, rabbit) : Severely irritating (35% product - estimated)

Skin Sensitisation (G'pig) : Negative (Maximisation Method)

*There was no evidence of sensitisation and photosensitisation among human volunteers and guinea pigs tested.*

GERM CELL MUTAGENICITY : Negative

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Aspiration Hazard: Not a direct aspiration hazard, but foam aspirated into the lungs, may be an Aspiration Hazard.

Dipotassium N-Cocoyl L-Glutamate as the 30-35% Solution is classified in the NICNAS STD/1354 & STD/1355 June 2010 Report as:

SKIN CORROSION / IRRITATION : Category 2 H315 (Mod Skin Irr'n)

SERIOUS EYE DAMAGE / IRRITATION: Category 2A H319 (Severe Irr'n)

SKIN CORROSION / IRRITATION : Category 2 H315 [NICNAS]

SERIOUS EYE DAMAGE / IRRITATION: Category 1 H318 [HCIS]

\* [ECHA Registered Substances Database & NICNAS STD/1354 & STD/1355 Report & Safework Australia HCIS]

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## 12 ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life. Water polluting substance as the 30-35% solution concentrate. Avoid contaminating waterways.

(Dipotassium N-Cocoyl L-Glutamate as 30-35%):

Acute Fish Toxicity LC50 10-100 mg/L (estimated \*)

Acute Daphnia Toxicity LC50 10-100 mg/L (estimated \*)

Acute Algae Toxicity EC50 10-100 mg/L (estimated \*)

\* From the ECHA RSD Surfactant Acute Results & NICNAS STD/1354 & STD/1355 June 2010 Report

Degradability: Biodegradability Study (ECHA RSD)

Reference substance was degraded > 60 % after 14 days & 93 % after 28 days

No bioaccumulation is expected.

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GHS CRITERIA (Dipotassium N-Cocoyl L-Glutamate as 30-35%):

Aquatic Environment (Acute/Short-Term) Hazard: Category 3 H402

Aquatic Environment (Long-Term) Hazard : Not Classified.

[ECHA Registered Substances Database for EC No. 620-582-5]

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## 13 DISPOSAL CONSIDERATIONS

Waste treatment methods: Disposal in accordance with Local, State & Federal EPA waste regulations. Dispose of by immobilised landfill, or reaction in an EPA approved facility.

Oxides of Nitrogen (NO<sub>x</sub>) may be formed by incineration and will require the exhaust gases to be scrubbed.

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## 14 TRANSPORT INFORMATION

Land: Not classified as dangerous for transport by land (Australian Code for the Transport of Dangerous Goods by Road & Rail)

Sea: Not classified as dangerous for transport by sea (IMDG Code)

Air: Not classified as dangerous for transport by air (ICAO/IATA)

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## 15 REGULATORY AND OTHER INFORMATION

Safety, health and environmental regulations specific for the mixture or substance:

- Poison Schedule Not scheduled.
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- Workplace hazardous substance Yes.
  - AICS Yes
  - Schedule Schemes All ingredients are on the Australian Inventory of Chemical Substances. Secondary Notification Conditions apply IF a significant change of use or new use occurs (compared to the original STD/1354 & STD/1355 uses).
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## 16 OTHER INFORMATION

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition or other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user.

This sheet completes the technical sheets but it does not replace them. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied is made and Trulux Pty Ltd assumes no legal responsibility or liability whatsoever resulting from its use. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

This listing must not be considered exhaustive. It does exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief accurate and reliable as of the date indicated. No representation warranty or guarantee, however, is made with regard to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use.

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