

Safety Data Sheet

according to WHS Regulations

Printing date 01.12.2020

Revision: 01.12.2020

1 Identification

Product Name: Turf Ald

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

Spray colourant used to elicit plant response and root stimulation.
Restricted to professional use only.

Details of Manufacturer or Importer:

Indigo Specialty Products Pty Ltd
6/163-173 McEvoy Street,
Alexandria NSW 2015

Phone Number: 0402 735 887

Emergency telephone number: 13 11 26 (Poisons Information Centre)

2 Hazard(s) Identification

Hazardous Nature:

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

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

Toxic To Reproduction 2

H361 Suspected of damaging fertility or the unborn child.



corrosion

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



Skin Corrosion/Irritation 2

H315 Causes skin irritation.

STOT SE 3

H335 May cause respiratory irritation.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

Signal Word Danger

Hazard Statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H361 Suspected of damaging fertility or the unborn child.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

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

P273 Avoid release to the environment.

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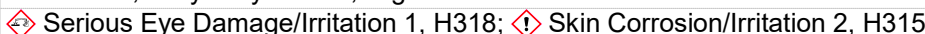
Product Name: Turf Aid

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P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep 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/doctor.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
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:**

CAS: 69-72-7	Salicylic acid 	10-25%
CAS: 102-71-6	Triethanolamine 	≥15-≤20%
CAS: 68515-73-1	D-Glucose, decyl octyl ethers, oligomeric 	≥3-<10%

Non Hazardous Components:

CAS: 1328-53-6	C.I. Pigment Green 7	≤2.5%
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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. Immediately rinse mouth with water. Give a glass of water to dilute. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor: Treat symptomatically.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye damage.

Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, and diarrhoea.

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5 Fire Fighting Measures

Suitable Extinguishing Media:

Carbon dioxide, dry chemical, water spray, universal-type foam. Use fire extinguishing media suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and nitrogen, and unidentified organic products. Due to the water content, this product is not expected to be flammable but may burn or decompose in a fire. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers. Minimise firefighting run-off from entering drains or water courses.

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 according to the local emergency plan. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses. Report spills to appropriate authorities if required.

Methods and Materials for Containment and Cleaning Up:

Wipe up small spills with a cloth. Stop leak if safe to do so and recover free product. Absorb remainder of spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Clean residual contamination with hot water and detergent.

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

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.

Conditions for Safe Storage:

Store in a cool, dry and well-ventilated area, protected from light. Keep container tightly closed when not in use. Protect from extreme heat, sparks, open flames, and all other sources of ignition. Keep away from strong oxidising agents, strong acids and strong alkalis.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 102-71-6 Triethanolamine**

WES	TWA: 5 mg/m ³ Sen
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Engineering Controls:

Ensure adequate ventilation of the working area to keep exposure levels to a minimum. Local exhaust ventilation is required, however, general exhaust is recommended.

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Respiratory Protection:

None is generally required under normal conditions of use. Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Chemical resistant gloves are recommended. 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.

Chemical resistant 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:

Goggles or face shield is recommended for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Solution
Colour:	Colourless to light yellow
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	No information available
Ignition Temperature	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	1.17-1.19 g/cm ³
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:

No dangerous reactions known under conditions of normal use.
Hazardous polymerisation will not occur.

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

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Conditions to Avoid: Heat, sparks, open flames, hot surfaces, and direct sunlight.**Incompatible Materials:** Strong oxidising agents, strong acids and strong alkalis.**Hazardous Decomposition Products:**

Hazardous combustion products include oxides of carbon and nitrogen, and unidentified organic products.

11 Toxicological Information

Toxicity:**LD50/LC50 Values Relevant for Classification:****CAS: 69-72-7 Salicylic acid**

Oral	LD50	891 mg/kg (rat)
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CAS: 102-71-6 Triethanolamine

Oral	LD50	8,000 mg/kg (rat)
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Dermal	LD50	20,000 mg/kg (rat)
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Acute Health Effects**Inhalation:** May cause respiratory irritation.**Skin:** Causes skin irritation.**Eye:** Causes serious eye damage.**Ingestion:** May be harmful if swallowed. May cause gastrointestinal irritation, nausea, and diarrhoea.**Skin Corrosion / Irritation:** Causes skin irritation.**Serious Eye Damage / Irritation:** Causes serious eye damage.**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:**

Triethanolamine is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.**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 data associated with long term health effects.

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

CAS: 102-71-6 Triethanolamine

EC50/48 h	609.98 mg/l (daphnia)
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LC50/96 h	11,800 mg/l (brachydanio rerio)
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	11,800 mg/l (fathead minnow)
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Persistence and Degradability:

The product itself has not been tested. The single components are readily biodegradable.

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Bioaccumulative Potential:

The product itself has not been tested. Caprylyl/Capryl Glucoside is totally biodegradable.

Mobility in Soil:

The product itself has not been tested. Salicyclic acid and Caprylyl/Capryl Glucoside have low mobility in soil.

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers:

Place product and/or absorbent material into sealed containers and dispose of in accordance with applicable local and state government regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Take care when disposing of empty container as they may contain residues, gases, and mists. Handle and dispose of empty containers using proper methods and procedures described for the product itself.

Special Precautions for Landfill or Incineration:

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

14 Transport Information

UN Number**ADG** Not regulated.**Proper Shipping Name****ADG** Not regulated.**Dangerous Goods Class****ADG Class:** Not regulated.**Packing Group:****ADG** Not regulated.

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

Australia: Priority Existing Chemicals

None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 01.12.2020**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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 - oral - Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation - Category 2

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Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
Toxic To Reproduction 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). 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 - May 2018”

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