



SAFETY DATA SHEET

Section 1 - Identification of the Material and Supplier

Product Name: Swan Devastate Plus Glyphosate 580 Herbicide
APVMA Approval No.: 94316
Chemical Nature: Soluble Liquid
Product Use: Non-Selective Herbicide
Company: **Swan Chemical Holdings Pty Ltd.**
U2/9 Glossop Street, Wangara WA 6065
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swanchemicalholdings.com

Creation Date: May 2024

Poisons Information Centre: Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification

Classification of Substance or Mixture

Poison Schedule S6

GHS Classification Acute Toxicity – Oral - Category 4; Carcinogenicity - Category 1B



Signal Word: WARNING

Precautionary Statements - Prevention

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash face, hands and any exposed skin thoroughly after handling..
- Do not eat, drink or smoke when using this product

Precautionary Statements – Response

- IF exposed or concerned: Get medical advice/attention.
- IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell Rinse mouth.

Precautionary Statements – Storage

- Store locked up.

Precautionary Statements – Disposal

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

Other hazards which do not result in classification

- Toxic to aquatic life.
- Toxic to aquatic life with long lasting effects.
- If medical advice is needed, have product container or label at hand. Keep out of reach of children.
- Read carefully and follow all instructions.

Section 3 - Composition/Information on Ingredients

Chemical Characterization: Mixtures

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Description: Mixture of substances listed below with non-hazardous additions.

Chemical Name	CAS No.	% (Weight)Ra
Glyphosate, potassium	39600-42-5	30-60%
Glyphosate, monoethanolamine	40465-76-7	30-60%
Diethylene glycol	111-46-6	<2.5%
Non-hazardous ingredients	-	Balance

Section 4 - First Aid Measures

Description of First Aid Measures

General Advice	
	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
Emergency telephone number	Poisons Information Centre, Australia: 13 11 26
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
Skin Contact	Wash skin with soap and water. Get medical attention if symptoms occur.
Ingestion	DO NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.

Most important symptoms and effects, both acute and delayed:

Symptoms - None known.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

Section 5 - Fire Fighting Measures

Suitable extinguishing media	Alcohol resistant foam.
Unsuitable extinguishing media	None known based on information supplied.
Specific hazards arising from the chemical	Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. Emits toxic fumes under fire conditions.
Hazardous combustion product	Carbon oxides. Nitrogen oxides (NOx)
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment
HAZCHEM Code:	+3Z

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Special danger of slipping by leaking/spilling product. Avoid breathing vapours or mists. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. See section 8 for more information.

Environmental Precautions

Do not allow into any sewer, on the ground or into any body of water. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. See Section 12 for additional Ecological Information.

Methods and Materials for Containment and Cleaning up

- Prevent further leakage or spillage if safe to do so.
- Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.
- Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling

Advice on Safe Handling

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Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Avoid breathing vapours or mists.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Protect from direct sunlight. Store away from incompatible materials. See section 10 for more information. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Do not contaminate food or feed stuffs.

Incompatible Materials: Strong alkalis.

Section 8 - Exposure Controls and Personal Protection

Exposure Limits – Diethylene-glycol CAS No. 111-46-6

Country	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	Peak ppm	Peak mg/m ³
Australia	23	100				
New Zealand	23	101				
United Kingdom	23	101	69	303		
Germany MAK	10	44			40	176

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies

Engineering Controls

Showers, Eyewash stations and Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection:	Wear safety glasses with side shields (or goggles).
Skin and Body Protection:	Wear suitable protective clothing.
Hand Protection:	Wear suitable gloves. Impervious gloves.
Respiratory Protection:	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Environmental Exposure Controls:	Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Should not be released into the environment.
Thermal Hazards:	No information available.

Section 9 - Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Blue/Purple
Odour:	Slight amine
Odour Threshold:	No information available
pH-Value at 23 °C:	4-7 (1% in water)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	100oC
Flash Point:	No information available
Flammability:	Product is not flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	

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Lower:	No information available
Upper:	No information available
Vapour Pressure at 25 °C:	No information available
Relative Density:	1.36
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Mixes with water, miscible

Section 10 - Stability and Reactivity

Reactivity:	None under normal use conditions.
Chemical Stability:	Stable under normal conditions.
Explosion Data	
Sensitivity to Mechanical Impact:	None.
Sensitivity to Static Discharge:	None
Possibility of Hazardous Reactions:	None under normal processing.
Conditions to Avoid:	Elevated temperature. Incompatible materials.
Incompatible Materials:	Strong alkalis.
Hazardous Decomposition Products:	Carbon oxides. Nitrogen oxides (NOx).

Section 11 - Toxicological Information

Acute toxicity

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. Inhalation of dust in high concentration may cause irritation of respiratory system.
Eye Contact	Specific test data for the substance or mixture is not available. Contact with eyes may cause irritation.
Skin Contact	Specific test data for the substance or mixture is not available. May cause irritation.
Ingestion	Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Symptoms	None known

Numeric Measure of Toxicity

ATEmix (oral) 1,538.50 mg/kg

Component Information

Diethylene Glycol

Oral LD50 = 12,565 mg/kg (Rat); Dermal LD%50 = 11,890 mg/kg (Rabbit)

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitisation	Not a sensitiser
Germ cell mutagenicity	No information available.
Carcinogenicity	Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration Hazard	No information available.

Section 12 - Ecological Information

Ecotoxicity

Based on the ingredients, this product is of low toxicity to aquatic organisms and may cause long term adverse effects in the aquatic environment.

Aquatic Ecotoxicology

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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Fish LD50 + 75,200 mg/L (96 h, *Pimphales promelas*)
 Toxicity to Micro-organisms EC50 = 29,228 mg/L 15 min
 Crustacea EC50: = 84,000mg/L (48h, *Daphnia magna*)

Bio-accumulative: Diethylene glycol: Partition Coefficient: -1.98.
Terrestrial ecotoxicity: There is no data for this product.
Persistence and degradability: No information available.
Other adverse effects: No data.

Section 13 - Disposal Considerations

Safe Handling and Disposal Methods

Recover or recycle if possible. Refer to local waste management authority for other approved methods. Empty containers should be decontaminated by rinsing with water prior to disposal or recycling. Product must be contained and not disposed of in sewerage systems, drains or waterways. Advise combustible nature.

Disposal of Contaminated Packaging

Empty packaging should be disposed of in accordance with local, state, and federal regulations or recycled/reconditioned at an approved facility.

Environmental Regulations

Dispose of in accordance with relevant local, state and federal legislation.

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.

Waste from Residues/Unused Products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Section 14 - Transport Information

ADG

UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S
Transport hazard class(es)	9
Packing group	III
Environmental hazard	Yes
Special Provisions	274, 331, 335, 375, AU01
Description	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Glyphosate-potassium), 9, III
Limited quantity (LQ)	5 L
Hazchem code	+3Z

IATA

UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S
Transport hazard class(es)	9
Packing group	III
Environmental hazard	Yes
Special Provisions	A97, A158, A197
Description	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Glyphosate-potassium), 9, III

IMDG

UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S
Transport hazard class(es)	9
Packing group	III
EMS-No	F-A, S_F
Special Provisions	274, 335, 969

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Marine Pollutant Description P ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Glyphosate-potassium), 9, III, Marine pollutant

Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available.

Section 15 - Regulatory Information

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

National regulations - Australia

See section 8 for national exposure control parameters.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poison Schedule No. 6

Australian Inventory of Industrial Chemicals:

All components are on the inventory, or in compliance with the inventory.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

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)

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)

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document 'Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice' (Feb 2016)

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