

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Product name : ACCEDE Plant Growth Regulator
Product code : VBC-30452

1.2. Other means of identification

Synonyms : VBC30452

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Plant Growth Regulator
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

1.4. Details of manufacturer or importer

Sumitomo Chemical Australia Pty Ltd.
Level 5
51 Rawson Street
Epping NSW 2121
Australia
T +61 (0)2 8752 9000
reception@sumitomo-chem.com.au - www.sumitomo-chem.com.au

1.5. Emergency phone number

Emergency number : MEDICAL EMERGENCY
Poisons Information Centre - Phone Australia 13 11 26, National Poison Center - Phone New Zealand 0800 764 766.

TRANSPORT EMERGENCY
Australia - 1800 033 111, New Zealand 0800 734 607

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Hazardous to the aquatic environment – Acute Hazard, Category 1 H400

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Environment

Signal word (GHS AU) : Warning
Hazard statements (GHS AU) : H400 - Very toxic to aquatic life
Precautionary statements (GHS AU) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read carefully and follow all instructions.
P273 - Avoid release to the environment.
P391 - Collect spillage.
P501 - Dispose of container to local regulations.

2.3. Other hazards which do not result in classification

No additional information available

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according to the WHS Regulations

SECTION 3: Composition and information on ingredients

This mixture does not contain any substances to be mentioned according to the applicable regulations

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Gently wash with plenty of soap and water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: If you feel unwell, seek medical advice. Do not induce vomiting.

4.2. Symptoms caused by exposure

No additional information available

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical, CO2, or water spray or regular foam.
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5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing.
Hazchem Code	: 2Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment	: Breathing apparatus.
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6.2. Environmental precautions

Do not allow to enter drains or water courses. Very toxic to aquatic life.

6.3. Methods and materials for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Shovel or sweep up and put in a closed container for disposal. Large spills: scoop solid spill into closing containers.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes.
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according to the WHS Regulations

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

No additional information available

8.4. Individual protection measures, such as personal protective equipment (PPE)

Materials for protective clothing : When using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing).

Other information : Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

Physical state : Solid
Appearance : granules.
Colour : White
Odour : Odourless.
Odour threshold : No data available
pH : 5.2
pH solution concentration : 1 %
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Flammability : No data available
Vapour pressure : No data available
Relative density : No data available
Density : Density: ≈ 0.5 g/ml
Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Explosive properties : No data available
Explosive limits : No data available
Minimum ignition energy : No data available
Fat solubility : No data available

SECTION 10: Stability and reactivity

Reactivity : No additional information available
Chemical stability : No additional information available
Possibility of hazardous reactions : No additional information available
Conditions to avoid : No additional information available
Incompatible materials : No additional information available
Hazardous decomposition products : No additional information available

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SECTION 11: Toxicological information

Acute toxicity (oral) : Not classified.
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified.

ACCEDE Plant Growth Regulator	
LD50 oral rat	> 5000 mg/kg female rats
LD50 dermal	> 5000 mg/kg male and female rats
LC50 Inhalation - Rat (Dust/Mist)	> 5.1 mg/l/4h

Skin corrosion/irritation : Not classified
pH: 5.2
Serious eye damage/irritation : Slightly irritant but not relevant for classification
pH: 5.2
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
May cause respiratory irritation.
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - water : Very toxic to aquatic life.
Hazardous to the aquatic environment, short-term : Very toxic to aquatic life.
(acute)
Hazardous to the aquatic environment, long-term : Not classified.
(chronic)

ACCEDE Plant Growth Regulator	
LD50 oral rat	> 5000 mg/kg female rats

12.2. Persistence and degradability

ACCEDE Plant Growth Regulator	
Persistence and degradability	Rapidly degradable

1-aminocyclopropane-1-carboxylic acid (22059-21-8)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

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ACCEDE Plant Growth Regulator

Fluorinated greenhouse gases




False

SECTION 13: Disposal considerations

Regional waste regulation

: Disposal must be done according to official regulations.

SECTION 14: Transport information

ADG	IMDG	IATA
14.1. UN number		
3077	3077	3077
Australian Special Provision (SP AU01) ADG Code 7th Ed. Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in: (a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or (b) IBCs.	Special provision(s) applied : 969	Special provision(s) applied : A197
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains 1-AMINOCYCLOPROPANE-1-CARBOXYLIC ACID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains 1-AMINOCYCLOPROPANE-1-CARBOXYLIC ACID)	Environmentally hazardous substance, solid, n.o.s. (contains 1-AMINOCYCLOPROPANE-1-CARBOXYLIC ACID)
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III - Substances presenting low danger	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

14.6. Special precautions for user

Specific storage requirement

: No data available

Shock sensitivity

: No data available

14.7. Additional information

Other information

: Australian Special Provision (SP AU01) ADG Code 7th Ed. Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:
(a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or
(b) IBCs.

Transport by road and rail

UN-No. (ADG)

: 3077

Transport regulations (ADG)

: Subject to the provisions

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Special provision (ADG)	: 274, 331, 335, 375, AU01
Limited quantities (ADG)	: 5kg
Excepted quantities (ADG)	: E1
Packing instructions (ADG)	: P002, IBC08, LP02
Special packing provisions (ADG)	: PP12, B3
Portable tank and bulk container instructions (ADG)	: T1, BK2, BK3
Portable tank and bulk container special provisions (ADG)	: TP33

Transport by sea

UN-No. (IMDG)	: 3077
Transport regulations (IMDG)	: Subject to the provisions
Special provisions (IMDG)	: 274, 335, 375, 966, 967, 969
Limited quantities (IMDG)	: 5 kg
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP02, P002
Special packing provisions (IMDG)	: PP12
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: BK1, BK2, BK3, T1
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW23

Air transport

UN-No. (IATA)	: 3077
Transport regulations (IATA)	: Subject to the provisions
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y956
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
CAO max net quantity (IATA)	: 400kg
Special provisions (IATA)	: A97, A158, A179, A197, A215
ERG code (IATA)	: 9L

14.8. Hazchem or Emergency Action Code

Hazchem Code	: 2Z
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status	: Contains substance(s) listed on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
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Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Covered by The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)	: This chemical is covered by the Standard for the Uniform Scheduling of Medicines and Poisons
Relevant Poisons Schedule number	: Unscheduled

Australian Pesticides and Veterinary Medicines Authority (APVMA)

Agricultural and veterinary chemicals act	: This chemical is covered by the Agricultural and Veterinary Chemicals Act 1988
APVMA Approval number	: 94490

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according to the WHS Regulations

15.2. International agreements

No additional information available

SECTION 16: Other information

Data sources

: Safe Work Australia - Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals
Safe Work Australia - Code of Practice - Labelling of Workplace Hazardous Chemicals
Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants
Safe Work Australia - Hazardous Chemical Information System (HCIS)
Australian Inventory of Industrial Chemicals (AICIS Inventory)
Environmental Protection Authority - Hazardous Substances (Hazard Classification) Notice 2020
Environmental Protection Authority - Hazardous Substances (Safety Data Sheets) Notice 2017
Environmental Protection Authority - Hazardous Substances (Labelling) Notice 2017
New Zealand - Chemical Classification and Information Database (CCID)
New Zealand - Inventory of Chemicals (NZIoC)
European Chemicals Agency (ECHA) - Annex VI (C&L Inventory)
European Chemicals Agency (ECHA) - REACH Study Results
European Chemicals Agency (ECHA) - REACH Registration Dossiers
United Nations - Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Uniform Scheduling of Medicines and Poisons (SUSMP)
United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG Model Regulation)
Australian Dangerous Goods Code (ADG Code)
International Air Transport Association Dangerous Goods Regulations (IATA DGR)
International Maritime Dangerous Goods (IMDG Code).

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Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.