

Product name: Tordon® 2G Gold**Issue Date:** 23.07.2026

Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of New Zealand and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION

Product name: Tordon® 2G Gold**Identified uses:** End use herbicide product**COMPANY IDENTIFICATION**

CORTEVA AGRISCIENCE NEW ZEALAND LIMITED
Private Bag 2017
NEW PLYMOUTH 4342
NEW ZEALAND

Customer Information Number:

0800-803-939

NZCustomerservice@corteva.com**EMERGENCY TELEPHONE NUMBER****24-Hour Emergency Contact:** +64 6 751 2407**Local Emergency Contact:** 0800 844 455**For medical advice, contact the New Zealand Poisons Information Centre:**

0800 POISON (0800 764 766)

Transport Emergency Only Dial: 111

This SDS may not provide exhaustive guidance for all the controls assigned to this substance. The NZ EPA website www.epa.govt.nz should be consulted for a full list of triggered controls and cited regulations.

2. HAZARDS IDENTIFICATION

Hazard classification

NEW ZEALAND HAZARDOUS SUBSTANCES CLASSIFICATION: Classified as hazardous according to criteria in the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, and the Hazardous Substances (Classification) Notice 2017. Refer to Section 15 for EPA Approval Number.

GHS classifications:

Skin sensitisation - Category 1

Hazardous to soil organisms



Signal word: **WARNING!**

Hazard statements

May cause an allergic skin reaction.

Very toxic to the soil environment.

Prevention

Read label before use

Avoid breathing dust/mist/spray

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before re-use.

Specific treatment – see Section 4: First Aid of this SDS.

Collect spillage.

Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture

Component	CASRN	Concentration
Picloram potassium salt	2545-60-0	2.31 %
Aminopyralid potassium	566191-87-5	0.03 %

4. FIRST AID MEASURES

Consult the National Poisons Information Centre (0800 POISON (0800 764 766)) or a doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth-to-mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Eye contact: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Ingestion: No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor or going for treatment. Skin contact may aggravate pre-existing dermatitis.

5. FIREFIGHTING MEASURES

Hazchem code: Not applicable.

Suitable extinguishing media: This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions some components of this product may decompose. Dense smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Nitrogen oxides. Carbon oxides.

Unusual Fire and Explosion Hazards: Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Advice for firefighters

Fire Fighting Procedures: Evacuate area. Remove undamaged containers from fire area if it is safe to do so. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Use appropriate safety equipment. For additional information, refer to Section 8: Exposure Controls and Personal Protection.

Environmental precautions: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained. Retain and dispose of contaminated wash water.

Methods and materials for containment and cleaning up: Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in. Sweep up or vacuum up spillage without creating dust and collect in suitable container for disposal. Recovered material should be stored in a vented container. The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over pressurisation of the container. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in the application area. Take care to prevent spills, waste and minimize release to the environment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Conditions for safe storage: Store in a closed container. Keep in properly labelled containers. Store in accordance with the particular national regulations.

Materials to avoid: Strong oxidising agents.

This substance is subject to a requirement for an emergency management plan, secondary containment and signage, whenever it is held in quantities of 100 kg or more, either alone or in aggregate with other hazardous substances. See Hazardous Substances Emergency Management and Identification Regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

Components with workplace control parameters

Component	Regulation	Type of listing	Value/Notation
Limestone	NZ OEL	WES - TWA (Calcium carbonate)	10 mg/m ³
	Corteva OEL	TWA (inhalable fraction)	10 mg/m ³
	Corteva OEL	TWA (Respirable fraction)	3 mg/m ³
Silica	NZ OEL	TWA (Respirable dust)	0.025 mg/m ³
	Further information: Known or presumed human carcinogen		

Exposure controls

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use safety glasses (with side shields). If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Hand protection: Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Use chemical resistant gloves classified under standard AS/NZS 2161.10:

Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Polyvinyl chloride ("PVC" or "vinyl"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). When prolonged or frequently repeated contact may occur, a glove is recommended to prevent contact with the solid material. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other protection: Wear clean, body-covering clothing.

Respiratory protection: Respiratory protection should be worn when there is the potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In dusty or misty atmospheres, use an approved particulate respirator.

Other Information: Selection and use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Australian/New Zealand Standards, including:

AS/NZS 1336: Eye and Face protection - Guidelines.

AS/NZS 1337: Personal eye protection - Eye and face protectors for occupational applications.

AS/NZS 1715: Selection, use and maintenance of respiratory protective equipment.

AS/NZS 2161: Occupational protective gloves.

AS/NZS 2210: Occupational protective footwear.

AS/NZS 4501: Occupational protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Physical state	Granules
- Colour	Yellow.
Odour	Mild
Odour Threshold	No test data available
pH (pH Electrode)	7.6
Melting point/range	No test data available
Freezing point	Not applicable
Boiling point (760 mmHg)	Not applicable
Flash point – closed cup	Not applicable
Evaporation Rate (Butyl Acetate = 1)	Not applicable
Flammability (solid, gas)	No data available
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour Pressure	Not applicable
Relative Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	Not applicable
Water solubility	No test data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Kinematic Viscosity	No test data available
Explosive properties	No data available
Oxidizing properties	No data available

Bulk density 450 kg/m³ Loose volumetric

Molecular weight No data available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.

Chemical stability: No decomposition if stored and applied as directed. Stable under normal conditions.

Possibility of hazardous reactions: Stable under recommended storage conditions. No hazards to be specially mentioned.

Conditions to avoid: Exposure to elevated temperatures can cause product to decompose. Avoid direct sunlight.

Incompatible materials: None.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon oxides. Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Picloram Potassium Salt:

- Acute oral toxicity : LD50 (Rat, female): 2,675 mg/kg
- Acute inhalation toxicity : For similar material(s): LC50 (Rat): > 1.6 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
No deaths occurred at this concentration.
The substance or mixture has no acute inhalation toxicity
Maximum attainable concentration.
- Acute dermal toxicity : For similar material(s): LD50 (Rabbit): > 2,000 mg/kg
Method: Estimated.
No deaths occurred at this concentration.
The substance or mixture has no acute dermal toxicity.

Aminopyralid Potassium:

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
- Acute inhalation toxicity : No adverse effects are anticipated from single exposure to dust.
Based on the available data, respiratory irritation was not observed.

LC50 (Rat): > 5.10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
No deaths occurred at this concentration.
The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation

Picloram Potassium Salt:

Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation

Picloram Potassium Salt:

Species : Rabbit
Result : Eye irritation

Respiratory or skin sensitisation

Product:

Assessment : May cause sensitisation by skin contact.

Picloram Potassium Salt:

Remarks : For similar active ingredient(s): Picloram.
Species : Guinea pig
Result : Does not cause skin sensitisation.

Aminopyralid Potassium:

Species : Guinea pig
Result : Does not cause skin sensitisation.

Chronic toxicity

Germ cell mutagenicity

Picloram Potassium Salt:

Germ cell mutagenicity - Assessment : For similar active ingredient(s). The preponderance of data shows picloram to be non-mutagenic in 'in vitro' (test tube) tests and in animal test systems.

Aminopyralid Potassium:

Germ cell mutagenicity - Assessment : For similar active ingredient(s). Aminopyralid. In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

Carcinogenicity**Picloram Potassium Salt:**

Carcinogenicity - Assessment : For similar active ingredient(s): Picloram acid. Did not cause cancer in laboratory animals.

Aminopyralid Potassium:

Carcinogenicity - Assessment : For similar active ingredient(s): Aminopyralid. Did not cause cancer in laboratory animals.

Reproductive toxicity**Picloram Potassium Salt:**

Reproductive toxicity - Assessment : For similar active ingredient(s): Picloram acid. In animal studies, did not interfere with reproduction. Did not cause birth defects or any other foetal effects in laboratory animals.

Aminopyralid Potassium:

Reproductive toxicity - Assessment : For similar active ingredient(s). Aminopyralid. In animal studies, did not interfere with reproduction. For similar active ingredient(s). Aminopyralid. Did not cause birth defects or other effects in the foetus even at doses which caused toxic effects in the mother.

STOT - single exposure**Picloram Potassium Salt:**

Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Aminopyralid Potassium:

Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Repeated dose toxicity**Picloram Potassium Salt:**

Remarks : Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Aminopyralid Potassium:

Remarks : For similar active ingredient(s): Aminopyralid. In animals, effects have been reported on the following organs: Gastrointestinal tract.

Aspiration toxicity**Picloram Potassium Salt:**

Based on physical properties, not likely to be an aspiration hazard.

Aminopyralid Potassium:

Based on available information, aspiration hazard could not be determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity**Picloram Potassium Salt:**

Toxicity to fish LC50 (Lepomis macrochirus (Bluegill sunfish)): 137 mg/l Exposure time: 96 h LC50 (Oncorhynchus mykiss (rainbow trout)): 48 mg/l Exposure time: 96 h	: For similar material(s): Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested).
Toxicity to daphnia and other aquatic invertebrates LC50 (Daphnia magna (Water flea)): 212 mg/l Exposure time: 48 h	
Toxicity to algae/aquatic plants EbC50 (Pseudokirchneriella subcapitata (green algae)): 85.5 mg/l End point: Biomass Exposure time: 120 h ErC50 (Myriophyllum spicatum): 0.558 mg/l Exposure time: 14 d Remarks: For similar material(s): NOEC (Myriophyllum spicatum): 0.0095 mg/l Exposure time: 14 d Remarks: For similar material(s):	
M-Factor (Acute aquatic toxicity) M-Factor (Chronic aquatic toxicity)	: 1 : 10
Toxicity to terrestrial organisms oral LD50 (Anas platyrhynchos (Mallard duck)): > 2,250 mg/kg oral LD50 (Colinus virginianus (Bobwhite quail)): > 5,620 mg/kg	: Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Aminopyralid Potassium:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203 or Equivalent

Toxicity to daphnia and other aquatic invertebrates : EC50, Daphnia magna (Water flea): > 100 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Algae): 100 mg/l
Exposure time: 72 h

ErC50 (Myriophyllum spicatum): 0.363 mg/l
Exposure time: 14 d
Remarks: For similar material(s):

NOEC (Myriophyllum spicatum): 0.0639 mg/l
Exposure time: 14 d
Remarks: For similar material(s):

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

Toxicity to terrestrial organisms : Material is practically non-toxic to birds on an acute basis (LD50 > 2,000 mg/kg). Material is slightly toxic to birds on a dietary basis (LC50 between 1,001 and 5,000 ppm).

Persistence and degradability**Picloram Potassium Salt:**

Biodegradability : For similar active ingredient(s): Picloram. Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions. Biodegradation may occur under aerobic conditions (in the presence of oxygen). Surface photodegradation is expected with exposure to sunlight.

Chemical Oxygen Demand (COD) : 0.64 kg/kg

ThOD : 0.86 kg/kg

Aminopyralid Potassium:

Biodegradability : For similar active ingredient(s): Aminopyralid.
Result: Not biodegradable
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 301F or Equivalent

Bioaccumulative potential**Picloram Potassium Salt:**

Partition coefficient: n-octanol/water : For similar active ingredient(s): Picloram.
Bioconcentration potential is moderate (BCF between 100 and 3,000 or Log Pow between 3 and 5).
Potential for mobility in soil is very high (Koc between 0 and 50).

Aminopyralid Potassium:

Partition coefficient: n-octanol/water : For similar active ingredient(s): Aminopyralid.
Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

Mobility in soil**Picloram Potassium Salt:**

Distribution among environmental compartments : For similar active ingredient(s): Picloram.
Potential for mobility in soil is very high (Koc between 0 and 50).

Aminopyralid Potassium:

Distribution among environmental compartments : For similar active ingredient(s): Aminopyralid.
Potential for mobility in soil is very high (Koc between 0 and 50).

Other adverse effects**Picloram Potassium Salt:**

Ozone-Depletion Potential : This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Aminopyralid Potassium:

Ozone-Depletion Potential : This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

13. DISPOSAL CONSIDERATIONS

Disposal methods: If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

Waste handling, treatment and disposal practices must be in compliance with the New Zealand Hazardous Substances (Disposal) Notice 2017. Additional local requirements may be applicable in

accordance with planning controls under the Resource Management Act. Regulations concerning waste management may vary in different locations.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
Environmentally hazardous	: no

IATA-DGR

Not regulated as a dangerous good

UN/ID No.	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
Packing instruction (cargo aircraft)	: Not applicable
Packing instruction (passenger aircraft)	: Not applicable

IMDG-Code

Not regulated as a dangerous good

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
EmS Code	: Not applicable
Marine pollutant	: Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

NZS 5433

Not regulated as a dangerous good

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable

Hazchem Code : Not applicable

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

ACVMG APPROVAL NUMBER: P9023

EPA Approval Code: HSR100945

ADVICE TO PRODUCT USERS REGARDING GHS CONTROLS: Users of this product should make reference to the New Zealand Hazardous Substances and New Organisms Act and Regulations, and the Health and Safety at Work Act for relevant risk management controls. Additional local requirements may be applicable in accordance with planning controls under the Resource Management Act. Refer to Environment Protection Authority for more information <http://www.epa.govt.nz>

16. OTHER INFORMATION

Revision

Issue Date: 23.07.2026 / Replaces 11.10.2021

Product code: Q7K-2-1 (GF-3219)

Legend

Corteva OEL	Corteva Occupational Exposure Limit
NZ OEL	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
TWA	8 hour Time weighted average
WES-TWA	Workplace Exposure Standard. Time Weighted Average

Full text of other abbreviations

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; ECx - Concentration associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - not otherwise specified; NOEC - Non-Observed Effective Concentration; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; (Q)SAR - (Quantitative) Structure Activity Relationship; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SDS - Safety Data Sheet; UN - United Nations. NZIoC - New Zealand Inventory of Chemicals.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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