

MATERIAL SAFETY DATA SHEET

ARTFERN PLATOON

Artfern Pty Ltd
Level 11
256 Adelaide Terrace
PERTH WA 6000

TELEPHONE: BH (08)9325 7600

AH 1800 033 111

Not classified as hazardous according to criteria of Worksafe Australia.

I IDENTIFICATION

Product Name: Artfern Platoon

Other Names: None

UN No: None allocated.

Hazchem Code: None allocated.

Dangerous Goods Class: None allocated.

Sub Risk Class: No Subsidiary Risk.

Packaging Group: None allocated.

EPG: None allocated.

Poison Schedule: S5

Product Type: Selective herbicide.

Chemical Family: Benzenesulfonamide derivative.

Uses: Selective herbicide for the control of certain weeds in wheat, triticale, barley, oats and cereal rye.

Physical appearance & Properties:

Appearance & Odour: Pale yellow to white powder. No odour.

Melting/softening point: 174-178°C (technically pure product).

Boiling point and vapour pressure: Decomposes.

Volatile materials: Nil

Flashpoint: Not flammable.

Specific gravity: Bulk density is 0.4

Solubility in water: Forms suspensions.

Corrosiveness: Not corrosive

Ingredients:

Chemical entity	CAS No	Proportion %	Worksafe Exposure Limits	
			TWA mg/m ³	STEL mg/m ³
Chlorsulfuron	64902-72-3	75	not set	not set
Ingredients determined not to be hazardous	secret	to 100	not set	not set

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995). In 2 year feeding trials, rats receiving 100mg/gk diet and mice receiving 500mg/kg diet showed no ill effect. Tests for oncogenicity, mutagenicity and teratogenicity were negative.

Acute Effects:

Swallowed: Data suggests that the product should be considered to be non toxic by ingestion. If ingested may cause nausea, headache and other symptoms.

Eye: Data suggests that this product should be classified as slightly irritating to the eyes. May cause iritis and moderate conjunctivitis.

Skin: Data suggests that the product should be classified as non irritating to the skin.

Inhalation: Product is dusty and may lead to throat irritation. Spray mist may lead to irritation. Low toxicity of greater than 5.9mg/L for 4 hour LC₅₀ via this route.

Primary route of exposure is inhalation and skin and eye contact.

Chlorsulfuron: LD₅₀ Oral (Rat) = 5545 (male), 6293 (female) LD₅₀ Oral Mallard duck) >500mg/kg
LD₅₀ Oral Rainbow trout) >250mg/L

First Aid:

Swallowed: If swallowed, and if more than 15 minutes from a hospital induce vomiting, preferably using Ipecac Syrup APF

Eye: If this product comes into contact with eyes, hold eyes open and wash with running water. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if eye irritation develops.

Skin: If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor if skin irritation develops.

Inhalation: If dusts or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Advice to doctor: Treat symptomatically. Note the nature of this product.

III PRECAUTIONS FOR USE

Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the ingredients in this product. There is a blanket recommendation of 10mg/m³ for inspirable dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. See ingredients section on page 1 of this data sheet.

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:

Respiratory Protection: A face mask or respirator should be used when this material is being used. For help in selecting suitable equipment consult AS1715.

Protective Gloves: Rubber, PVC or other protective gloves should be worn when handling product.

Eye Protection: Use of Safety glasses or goggles should be worn when using this product.

Clothing: Clean overalls should be worn, preferably with an apron.

Safety Boots: Wearing safety boots would be advisory.

Flammability Limits: Upper: Not flammable, Lower: Not flammable

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Storage & Transport:

No special requirements storage and transport requirements. This material has no UN Classification. This material is classed as a S5 Poison. Observe appropriate state regulations for storage, transport and sale. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids. Store away from children, feed, seeds, fungicides and fertiliser. Prevent cross contamination with other herbicides during storage.

Spills and disposals:

In event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area, preventing runoff from entering drains. Neutralise any waste in a solution of household bleach (4% chlorine, 300ml bleach to 100L water) unless ammonia is present, for example from fertiliser residues. see product brochure in pack for details. If material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in compliance with local, state and federal regulations. Hydrolyses in water at neutral pH (50% hydrolyses in 4-8 weeks at 20°C), more rapid hydrolysis occurs in acid solution. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Fire/Explosion Hazard:

There is no explosion hazard from this material under normal circumstances.

Flashpoint: Not flammable.

Extinguishing Media: carbon dioxide, dry chemical, foam.

Special Fire fighting procedures: Wear full protective clothing including face mask, face shield and gauntlets.

Unusual fire & Explosion hazards: Decomposition products are toxic and corrosive. There is a moderate risk of an explosion from this product if involved in a fire.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: carbon dioxide, carbon monoxide, nitrogen oxides, oxides of sulfur, hydrogen chloride gas, chlorides, water.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

All information in this data sheet is provided in good faith and is believed to be correct. Each user should consider the information in this safety data sheet within the context of their particular application as Artfern cannot anticipate or control conditions under which this product may be used. Artfern will not be responsible for any damages arising out of the use or reliance upon the information in this safety data sheet. No expressed or implied warranties are given other than those implied mandatory by Commonwealth, State or Territory legislation.

CONTACT POINT : **ARTFERN**
Level 11
John Septimus Roe Square
256 Adelaide Terrace
PERTH WA 6000

TELEPHONE: BH (08)9325 7600 AH 1800 033 111

Please read all labels carefully before using product.

Prepared by Kilford & Kilford Pty Ltd. March, 1998 Revision.
Copyright © Kilford & Kilford Pty Ltd, 1998 Phone (02)9516 2079

Acknowledgments:

Collated by HerbiGuide. Phone 08 98444064 for more information.