



MATERIAL SAFETY DATA SHEET

CHEMAG SMASH 625 LOW

COMPANY DETAILS

Company: Imtrade Australia

Address: Suite 22/11 Preston St, Como WA 6152

Telephone: 08 9368 7444

Facsimile: 08 9368 7445

Website Address: www.imtrade.com.au

Emergency Telephone number: Office hours 08 9368 7444 A/H 0419 334 184

STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to criteria of NOHSC.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

S13: Keep away from food, drink and animal feeding stuffs.

S2: Keep out of reach of children.

PHYSICAL/CHEMICAL CHARACTERISTICS

Uses:	For the control of broad-leafed weeds in fallow before direct drilling or sowing of cereal crops and pastures; and in cereal crops, pastures, sugar cane, peanuts and non-agricultural areas as per the Directions for Use.
Product Name:	ChemAg Smash 625 Low
Chemical:	2,4-D present as dimethylamine and diethanolamine salts
UN number:	None allocated
DG class:	None allocated
Packing Group:	None allocated
Hazchem code:	None allocated
Appearance:	Clear, red-brown liquid with ammoniacal odour.
Flashpoint:	Non flammable
Solubility In Water:	Soluble in water
Specific Gravity:	1.254
Flammability:	Non-combustible
Poisons Schedule:	S5

INGREDIENTS

Chemical characterization: Liquid

<u>NAME</u>	<u>CAS</u>	<u>Proportion</u>
2,4-D present as triethanolamine and diethanolamine salts.		625 g/L
Lignosulphonate derivative		0-2 %
Water		Balance

STABILITY AND REACTIVITY DATA

Chemical Stability:	Stable under normal conditions.
Materials to Avoid:	Reaction of the concentrate or spray mix with acids will precipitate solid 2,4-D acid and largely deactivate the product and cause blockages in spray equipment. The addition of a strong alkali such as caustic soda will cause release of dimethylamine vapour. Dimethylamine is moderately toxic, LD50 (oral, rat) is 700 mg/kg and a TLV of 10 ppm (TWA) has been set.
Hazardous Polymerization:	Hazardous polymerisation is not possible.
Hazardous Reactions Products:	Keep away from strong oxidising agents.

HEALTH HAZARD DATA

Engineering controls:

Natural ventilation is sufficient when handling concentrate and preparing spray solution.

Extinguishing Media:

If involved in a fire, this product will not burn. Choose extinguishing media to suit the burning material.

None required but use water spray to cool containers or personnel threatened by fire.

HEALTH EFFECTS:

Eye:

The concentrate will cause irritation to the eyes. Prolonged contact with the concentrate may cause damage to the eye.

Ingestion:

Not a likely route of exposure. Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. However, swallowing of large amounts may cause injury. Ingestion of the product in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination.

Inhalation:

The components of the product are of low volatility and no adverse effects are expected from handling the concentrate. The concentrate is considered harmful by inhalation by Worksafe Australia. A moderate hazard exists from inhalation of spray and care should be taken to avoid inhalation of spray mists.

Skin:

Prolonged contact with the concentrate may cause skin irritation. Prolonged contact of the concentrate with the skin will result in absorption of some 2,4-D which can be harmful.

FIRST AID:

Eye:

If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.

Seek medical advice if irritation develops or persists.

Ingestion:

If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia).

Give a glass of water.

If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Australia). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

The above first aid instructions are mandated by the Commonwealth Department of Health and Aged Care via the National Drugs and Poisons Schedule. These instructions are suitable for ingestion of spray solution and small amounts of concentrate; however, if SUBSTANTIAL AMOUNTS of the concentrate have been swallowed (more than about 1 tablespoon) AND if medical assistance is more than 30 minutes away, the induction of vomiting should be considered, preferably based on MEDICAL ADVICE if a physician can be contacted by phone. All care must be taken to prevent vomit from being inhaled. Do not give anything by mouth to a semi-conscious or unconscious person.

Inhalation:

If symptoms develop or persist, seek medical advice. Remove affected person to fresh air until recovered.

Skin:

If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water.

Remove contaminated clothing and launder before re-use.

ADVICE TO DOCTOR -

Treat symptomatically.

No specific antidote.

SAFE HANDLING INFORMATION

Storage and Transport

Do NOT spray in high winds.

Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers.

No special precautions are necessary when handling sealed containers.

Store in the closed, original container in a cool, dry, well-ventilated area.

Do not store near oxidisers.

Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

Equipment that has been used for this chemical should not be used for the application of other materials to sensitive plants, unless it has been well washed out with hot soapy water or 1% solution of ammonia, followed by several clear water rinses.

Do not use on or in situations where damage to susceptible crops or plants such as cotton, tobacco, tomatoes, flowers, vines, fruit trees or other susceptible crop plants may result from direct application or drift.

Spill and Disposal:

Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).

Collect in sealed open top containers for disposal.

On-site disposal of concentrate is not acceptable.

Dispose of at a landfill in accordance with local regulations.

Place damaged containers in recovery bins (if available) and return to manufacturer.

On site disposal of the concentrated product is not acceptable.

Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemCollect).

Do not use this container for any other purpose.

Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.

Personal Protection:

Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

When preparing spray, wear PVC or rubber apron, elbow length PVC gloves and face shield.

When using the prepared spray, wear face shield.

TOXICITY:

No harmful effects are expected if the precautions on the label and this MSDS are followed.

Inhalation:

The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.

The concentrate is considered harmful by inhalation by Worksafe Australia.

A moderate hazard exists from inhalation of spray and care should be taken to avoid inhalation of spray mists.

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Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.

However, swallowing of large amounts may cause injury.

Ingestion of the product in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination.

Skin:

Prolonged contact with the concentrate may cause irritation.

Prolonged contact of the concentrate with skin will result in absorption of some 2,4-D which can be harmful.

Eye:

The concentrate will cause irritation of the eyes.

Prolonged contact with the concentrate may cause damage to the eye.

Chronic effects:

Chronic overexposure: Repeated absorption of relatively large amounts of 2,4-D presents a risk to the liver and kidneys.

Acute toxicity Oral:	LD50 (rat) 699 mg/kg for 2,4-dichlorophenoxyacetic acid LD50 (rat) 700 mg/kg for dimethylamine LD50 (rat) 710 mg/kg for diethanolamine
Acute toxicity Dermal:	LD50 (rabbit) >2000 mg/kg
Acute toxicity Inhalation:	LC50 (rat) (4hr) >1.79 mg/L
Skin irritation:	Not a skin irritant.
Skin Sensitisation:	Product is not a skin sensitiser.

ENVIRONMENTAL PROTECTION:

This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

Prevent from entering drains, waterways or sewers.

Use earthen bunds or absorbent bunding to prevent spreading of spillage.

CONTACT POINT:

Emergency Contact Number: Office 9368 7444 A/H 0419 334 184

This MSDS summaries 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 MSDS 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.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.