

Material Safety Data Sheet

BASF

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Infosafe No.	1BFNQ	Issue Date : May 2003	ISSUED by BASFAUST
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Product Name : **ARAMO* HERBICIDE**

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name	BASF Australia Limited (ABN 62 008 437 867)
Address	500 Princes Highway Noble Park Victoria 3174 Australia
Emergency Tel.	1800 803 440 (24h)
Tel/Fax	Tel: +61 3 9212 1500 Fax: +61 3 9212 1511

IDENTIFICATION

Product Name	ARAMO* HERBICIDE
Proper Shipping Name	None Allocated
UN Number	None Allocated
DG Class	None Allocated
Packing Group	None Allocated
Hazchem Code	None Allocated
Poisons Schedule	Not Scheduled
Product Use	Selective grass herbicide.
Synonyms	(EZ)-(RS)-2-{1-[(2E)-3-chloroallyloxyimino]propyl}-3-hydroxy-5-perhydropyran-4-ylcyclohex-2-en-1-one (IUPAC)

Physical Data

Appearance	Dark yellow clear liquid with moderate aromatic odour.
Melting Point	Not Applicable
Boiling Point	Not Available
Vapour Pressure	Not Available
Specific Gravity	Not Applicable
Flash Point	93°C
Flamm. Limit LEL	Not Available
Flamm. Limit UEL	Not Available
Solubility in Water	Emulsifiable in all proportions
Density	1.03 kg/L

Other Properties

Volatile Component	Not Available
Autoignition Temp.	440°C
Evaporation Rate	Not Available
Vapour Density	Not Available

Ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
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Solvesso* 200	64742-94-5	70 %
Tepraloxydim	149979-41-9	20 %
Emulsifiers	Proprietary	10 %

HEALTH HAZARD INFORMATION

Symptoms and Effects No adverse health effects are expected if the product is handled in accordance with this Material Safety Data Sheet and the product label.

Health Effects

Acute - Swallowed	Moderately toxic.
Acute - Eye	Will irritate the eyes.
Acute - Skin	Will irritate the skin.
Acute - Inhaled	Solvent naphtha can irritate the mucous membranes and can cause lung damage.
Chronic	Chronic feeding studies on animals do not indicate any cumulative toxicity and show that the compound is neither a carcinogen nor a teratogen.

First Aid

Swallowed	If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide.
Eye	If in eyes, wash out immediately with water.
Skin	If product on skin, immediately wash area with soap and water.
Inhaled	If inhaled, keep patient calm, remove to fresh air and summon medical help.

Advice to Doctor

Advice to Doctor Treat symptomatically. No specific antidote.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits	Threshold Limit Value (TLV)- TWA Not available.
Eng. Controls	Avoid contact with eyes and skin.

Personal Protection

Protective Equip.	If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length nitrile gloves and face shield or goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC or nitrile gloves. After each day's use, wash gloves, face shield or goggles and contaminated clothing.
Other Information	RE-ENTRY PERIOD Do NOT allow entry into treated areas until the spray has dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Clothing must be laundered after each day's use.

Flammability

Fire Hazards Not flammable.

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SAFE HANDLING INFORMATION

Storage and Transport

Storage and Transport Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Ensure containers are correctly labelled and securely sealed. Keep away from sources of ignition. Vapours may form explosive mixtures with air. Store/load separately from food, feed and consumable items. Not classified as a dangerous substance for transport purposes. Eye-wash and washing facilities must be readily available. For decontaminating clothes and equipment, have soda ash (sodium carbonate) on hand and for decontaminating and disposing spills have lime, soda ash, absorbent material and open head drums on hand.

Proper Shipping Name None Allocated

Spills and Disposal

Spills & Disposal Clear area of all unprotected personnel. Eliminate all ignition sources. Wear full protective equipment including breathing apparatus. Stop leak if safe to do so by maneuvering the container. Decant leaking container into a clean drum remote from the storage area and label. If the leaking container can be repacked, contact BASF Australia Ltd, so that an overdrum and transport for return to a nominated BASF location can be arranged. Do NOT flush to drains or sewers. Do NOT contaminate streams, rivers or water courses. Absorb spill in lime or wet area with 5% soda ash (sodium carbonate) solution and absorb on sand, earth or non-combustible absorbent material. Place material in open top drum, clean up with small amount of detergent and water, absorb and place in drum. Scatter lime over the area and leave for 1 hour. Decompose contaminated absorbent and surplus material with 5% soda ash solution. Leave in a safe place for one month. Seal drum and bury in an area approved by the local waste disposal authority. Soak protective equipment in 5% soda ash solution for at least 24 hours. Rinse and dry. Wash overalls.

Container Disposal Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

Fire/Explosion Hazard

Fire/Explos. Hazard Evacuate immediate area. Advise Fire Brigade of nature of hazard. Wear full protective equipment, including breathing apparatus. Remove drums from site of fire, if possible, as overheating may cause some of the drums to explode. Cool surrounding containers with a fine water spray. Contain run-off. Do not allow to enter drains.

Hazardous Combustion Products The following can be given off in a fire: carbon monoxide, nitrogen oxides, hydrogen chloride.

Extinguishing Media Water spray, foam, carbon dioxide, dry extinguishing media.

Hazchem Code None Allocated

Protective Equipment Fire/explosion fumes should not be inhaled.

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OTHER INFORMATION

Toxicology	Acute toxicity LD50
	Rat Oral >2,000 mg/kg bw and <3,000 mg/kg bw
	Rat Dermal >4,000 mg/kg bw
	Rat inhalation >5.4 mg/l (4 h)
Other Information	PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS
	Do NOT apply under weather conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands, pastures or non-target plants. Do NOT apply within 5 m upwind of sensitive native grasslands.
	PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
	Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

CONTACT POINT

Contact	Regulatory Affairs Officer	Tel: 03 9281 6346	Fax: 03 9281 6320
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This MSDS 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. It should be read taking into account how the product is handled in your particular situation and how it is used in conjunction with other products.
...End Of MSDS...