

BASF Australia Ltd

ABN 34 008 437 867

Norwest Business Park,
7 Maitland Place

Baulkham Hills NSW 2153

Telephone: 1 800 635 550

Emergency: 1 800 033 111**Material Safety Data Sheet**

Product Name:

**MIDAS®
HERBICIDE****HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA****TRADE NAME:** MIDAS HERBICIDE**OTHER NAMES:** imazapic + imazapyr + MCPA**USE:** Post-emergence herbicide for use in wheat varieties with CLEARFIELD Technology.**MANUFACTURER'S NAME/ADDRESS**BASF Australia Ltd
Norwest Business Park, 7 Maitland Place
Baulkham Hills NSW 2153**U.N. NUMBER:** Not Applicable**DANGEROUS GOODS CLASS:** Not Applicable**SUBSIDIARY RISK:** Not Applicable**HAZCHEM CODE:** Not Applicable**POISONS SCHEDULE:** 6**PACKAGING GROUP:** Not Applicable**EPG:** Not Applicable**PHYSICAL DESCRIPTION/PROPERTIES****APPEARANCE AND ODOUR:** pale yellow to brown liquid with solvent odour**BOILING POINT °C:** Not Applicable**BULK DENSITY g/mL:** 1.05**VAPOUR PRESSURE:** Not Applicable**MELTING POINT:** Not Applicable**VAPOUR DENSITY:** Not Applicable**EVAPORATION RATE:** Not Applicable**SOLUBILITY (WATER):** Emulsifiable**PERCENT VOLATILES:** Not Applicable**FIRE/EXPLOSION HAZARD****FLASH POINT °C :** Not Applicable**AUTOIGNITION °C:** Not Applicable**LEL:** Not Applicable**UEL:** Not Applicable**INGREDIENTS**

INGREDIENT	CAS NO.	PROPORTION
Imazapic technical (100%)	104098-48-8	2.20%
Imazapyr technical (100%)	81334-34-1	0.73%
MCPA EHE technical (100%)	29450-45-1	28.85%
Emulsifiers	Not available	25.20%
Solvent (Aromatic 200)	64742-9405	25.26%
Inerts	Not available	17.16%

MSDS – MIDAS HERBICIDE

HEALTH EFFECTS

ACUTE EFFECTS

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

SWALLOWED

Harmful if swallowed. MIDAS Herbicide contains an aromatic hydrocarbon solvent which presents the major hazard.

EYE

MIDAS Herbicide will cause damage to the eye.

SKIN

MIDAS Herbicide may cause damage to the skin.

INHALED

Practically non toxic.

CHRONIC EFFECTS

No evidence of mutagenicity or teratogenicity in animal tests. In experimental animal studies with the active constituent, anaemia and liver effects were seen at high doses, while muscular effects were seen at lower doses. However, no adverse effects are expected from use of the formulated product when handled according to label directions.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide.

SWALLOWED

If swallowed, do NOT induce vomiting. Contact a Doctor or Poisons Information Centre.

EYE

If product in eyes, wash it out immediately with water. See a doctor if irritation persists.

SKIN

Remove contaminated clothing and wash skin thoroughly with soap and water. See a doctor if irritation persists.

INHALED

Remove to fresh air.

ADVICE TO DOCTOR

No specific antidote. Treat symptomatically.

MSDS – MIDAS HERBICIDE

TOXICITY

No data are available for the formulated product. Figures for the active constituents are as follows:

	imazapic	imazapyr	MCPA
Acute toxicity LD ₅₀	(mg / kg)		
Rat oral	>5000	>5000	>2000
Dermal	>2000 (rabbit)	>2000 (rabbit)	1550 (rat)
Rat inhalation LC ₅₀	>4.83 mg/L	>1.3 mg/L	>4.5 mg/L
Rabbit eye	non-irritating	severely irritating	non-irritating
Rabbit skin	non-irritating	non-irritating	non-irritating

PRECAUTIONS FOR USE

EXPOSURE LIMITS

No exposure standards have been allocated to imazapic or imazapyr, the active constituents.

ENGINEERING CONTROLS

Provide adequate ventilation.

PERSONAL PROTECTION

Respiratory: Avoid inhaling spray mist.

Skin: Avoid contact with skin. Wear cotton overalls buttoned to the neck and wrist and elbow length PVC gloves.

Eyes: Avoid contact with eyes. Wear goggles when opening container, preparing and using prepared spray.

When opening the container and preparing spray, wear elbow-length PVC gloves and face shield or goggles. After each day's use, wash gloves and face shield or goggles.

FLAMMABILITY

Not flammable.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

SPILLS AND DISPOSAL

Clear area of all unprotected personnel. Wear protective clothing specified in "Precautions for Use: Personal Protection". Stop leak if safe to do so by manoeuvring the container. Decant leaking container into a clean empty 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 location can be arranged.

Do NOT flush to drains or sewer. Do NOT contaminate streams, rivers or waterways.

If spill is to a water body, immediately notify applicable authorities downstream, so that contingencies can be taken.

Absorb spill in lime or wet with 5% soda ash (sodium carbonate) solution and absorb on sand, earth or non-combustible absorbant material. Place material in an open top drum, clean up with a small amount of detergent

MSDS – MIDAS HERBICIDE

contaminated absorbent and surplus material with 5% soda ash solution. Leave in a safe place for one month. Seal drum and bury in an approved areas by local waste disposal authority.

End Users: Triple or preferably pressure rinse containers before disposal. Add rinsate 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.

Dispose of container as directed on the product label.

FIRE/EXPLOSION HAZARD

Fire Extinguishing Media:

Use water, foam, carbon dioxide, or dry chemical extinguisher.

Fire Control Tactics:

Keep unnecessary people away. Wear self-contained positive pressure breathing apparatus, and full fire fighting protective clothing. Use as little water as possible. Dike area of fire to prevent herbicidal run-off. Use spray or fog; solid stream may cause spreading. If water enters drains, advise authorities downstream

Decontaminate personnel and equipment with soap and water, before leaving the fire site. During decontamination, and when handling broken packages or containers, wear protective equipment.

Avoid breathing dusts, vapours and fumes from burning material. Thermal decomposition may produce oxides of carbon and nitrogen.

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 or pastures.

Do NOT spray within 50 m of wetlands or waterways.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

DISCLAIMER

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 read taking into account how the product is handled in your particular situation and how it is used in conjunction with other products.

CONTACT POINT: BASF Australia Ltd

TELEPHONE: 1 800 635 550
EMERGENCY: 1 800 033 111

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Acknowledgments:

Collated by HerbiGuide. Phone 08 98444064 for more information.