

Material Safety Data Sheet

BASF Australia Ltd.
A.B.N. 62 008 437 867
Norwest Business Park,
7 Maitland Place
Baulkham Hills, NSW 2153
Telephone: 1 800 635 550
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Product Name: **LIGHTNING[®]
HERBICIDE**

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

TRADE NAME: LIGHTNING HERBICIDE

OTHER NAMES: imazethapyr plus imazapyr

PROPER SHIPPING NAME: Not Dangerous

USE: Herbicide for use in maize.

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: 5

PACKAGING GROUP: Not Applicable

EPG: Not Applicable

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE AND ODOUR: Light tan granule with slight odour.

BOILING POINT °C: Not Applicable

BULK DENSITY kg/m³: 507

VAPOUR PRESSURE: Not Applicable

MELTING POINT: Not Applicable

VAPOUR DENSITY: Not Applicable

EVAPORATION RATE: Not Applicable

SOLUBILITY (WATER): Dispersible

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
Imazethapyr technical (96% purity)	81335-77-5	56%
Imazapyr technical (97% purity)	81334-34-1	18%
Surfactants	-	7%
Clay	1332-58-7	19%

® = Registered trademark of BASF

HEALTH HAZARD INFORMATION

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

Practically non-toxic in single doses.

EYE

Will damage the eyes.

SKIN

Slightly irritating to the skin

INHALED

Practically non-toxic.

CHRONIC EFFECTS

No evidence of mutagenicity or teratogenicity in animal tests and 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

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 - LIGHTNING HERBICIDE

TOXICITY

Acute toxicity LD ₅₀	(mg / kg)
Rat oral	>5000
Rat dermal	>2000
Rat inhalation LC ₅₀	>2.5mg/L

PRECAUTIONS FOR USE

EXPOSURE LIMITS

No exposure standards have been allocated to imazapyr or imazethapyr, the active constituents. The NOHSC Exposure Standard for the ingredient Kaolin Clay T-41 is 10mg/m³ Time Weighted Average.

ENGINEERING CONTROLS

Provide adequate ventilation.

PERSONAL PROTECTION

Respiratory:	Avoid inhaling dust or spray mist.
Skin:	Avoid contact with skin.
Eyes:	Avoid contact with eyes. When opening the container and preparing spray, wear 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

Wear appropriate clothing and personal protective equipment.

Keep away from drains, surface and ground water, and soil.

Keep all sources of ignition away from the spill area, and avoid creating dusty conditions when handling this material. If heavy dusting cannot be avoided, ground all equipment.

Shovel or sweep the spilled material into covered containers for proper disposal. Do not use containers of unlined steel or aluminium. If possible, reuse the material for its intended purpose.

Rinse the spill area and any tools or implements several times with soapy water. Contain and absorb this rinsate with inert absorbents such as granular clay or sawdust, and place into the same covered container as the spilled material.

Spills to the soil can be shovelled directly into covered containers for disposal.

Depending on local spill reporting requirements and the amount released to the environment, it may be necessary to notify the regulatory authorities.

MSDS - LIGHTNING HERBICIDE

End Users: 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 pit 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 Extinguishing Media:

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

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.

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, CRUSTACEA 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.

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EMERGENCY: 1 800 033 111

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SUPERCEDES:

NEW

Acknowledgments:

Collated by HerbiGuide. Phone 08 98444064 for more information.