



103 - 105 PIPE ROAD, LAVERTON NORTH, VIC. AUSTRALIA 3026
Postal Address: PO Box 103, LAVERTON, VIC. AUSTRALIA 3028
Telephone: 03 9282 1000 Fax: 03 9282 1001

PRODUCT: BUTICIDE 2,4-DB Herbicide	Infosafe No: NU01F ISSUED: Nov 00
---	--

Hazardous according to criteria of Worksafe Australia

UN NO....:N/A	D.G.CLASS:N/A	CAS NO...:NONE
HAZCHEM...:N/A	SUB. RISK:N/A	
SUSDP....: S5 (FED) S5 (NSW) S5 (VIC) S5 (SA) S5 (WA) S5 (Qld) S5 (Tas) S5 (NT)		
G.T.EPG...:N/A	SPEC.EPG.:	PACK. GRP:N/A
IMDG.....:N/A		

PRODUCT IDENTIFICATION

OTHER NAMES:

TRADENAMES.:

Buticide

MANUF. : MANCODE:

NUFARM 0250

INGREDIENTS:

CHEMICAL ENTITY:	CAS NO:	PROPORTION:
2,4-DB (present as the potassium salt)	19480-40-1	} 40% w/v
2,4-DB (present as the sodium salt)	10433-59-7	
Inerts (non hazardous)		0-10%
Water		30-60%

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE:

Brown liquid with faint phenolic odour.

BOILING POINT.....: >100°C

MELTING POINT.....: -5°C

VAPOUR PRESSURE....: Active ingredients considered non-volatile.

VOLATILE COMPONENT.: 58%

SPECIFIC GRAVITY...: 1.238

FLASH POINT.....: Not flammable

FLAMMABILITY LIMITS: Not flammable

REL. VAPOUR DENSITY: N/A

pH.....: 10 - 11

FORM.....: Liquid

OTHER PROPERTIES:

Soluble in water.

USE:

For the control of weeds in lucerne, clover, cereal and peanut crops and pastures. Do not use in misting machines or aircraft.



MATERIAL SAFETY DATA SHEET

PRODUCT: BUTICIDE 2,4-DB Herbicide	Infosafe No: NU01F ISSUED: Nov 00
---	--

HEALTH HAZARD INFORMATION

ACUTE EFFECTS

SWALLOWED:

Not considered a serious hazard due to relatively low toxicity although some damage to mucous membranes could occur due to the alkalinity of the formulation.

The concentrate is considered harmful if swallowed, when classified according to the Worksafe Criteria.

EYE:

The concentrate may cause severe irritation and possible damage if contact is prolonged due to the alkalinity of the formulation.

SKIN:

The concentrate will cause irritation with a possibility of damage if contact is prolonged or excessive due to the alkalinity of the formulation.

INHALED:

Not considered a serious hazard although inhalation of spray mists should be avoided.

CHRONIC EFFECTS

Chronic Over Exposure: Liver and kidney damage has been noted in laboratory animals but only after excessive doses.

OTHER HEALTH HAZARD INFORMATION

Acute Over Exposure: Headache, nausea and vomiting with possible dyspnea, cyanosis, exhaustion, twitching and spasms in extreme cases.

FIRST AID

SWALLOWED:

If swallowed induce vomiting. Use Ipecac Syrup (APF) if available.

EYE:

Irrigate for 15 minutes with copious quantities of water with eyelids held open. Notify physician.

SKIN:

Remove contaminated clothing and launder before re-use.
Wash affected areas thoroughly with soap and water.

INHALED:

Remove to fresh air until recovered.

FIRST AID FACILITIES:

If poisoning occurs, contact a doctor or Poisons Information Centre.

ADVICE TO DOCTOR:

Treat symptomatically.



MATERIAL SAFETY DATA SHEET

PRODUCT: BUTICIDE 2,4-DB Herbicide	Infosafe No: NU01F ISSUED: Nov 00
---	--

TOXICITY DATA:

Technical 2,4-DB

Toxicology to mammals:

Acute oral LD50 rats: 700mg/kg

Acute dermal LD50 rats: 800mg/kg

Toxicity to fish:

Toxic to fish at concentrations used.

LC50 for rainbow trout 4mg/l (96 hours, amine salt and esters)

Toxicity to bees:

Not toxic to bees

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

No known exposure standards have been set.

ENGINEERING CONTROLS:

Natural ventilation only. The active ingredient is non volatile.

PERSONAL PROTECTION:

Avoid contact with skin and eyes to prevent possible irritation.

When preparing product for use, wear cotton overalls buttoned to the neck and wrist and washable hat, elbow length PVC gloves and effective eye protection. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly. After each day's use, wash contaminated clothing and safety equipment. Avoid working in and breathing spray mist. Wash exposed parts of the body after use and before eating, drinking or smoking.

FLAMMABILITY:

Non flammable.

ENVIRONMENT:

Do not contaminate dams, rivers or streams with pesticide or used containers. 2,4-DB rapidly degrades in soil, the acid form having a half-life of 5 days.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT:

STORAGE

Keep the container tightly sealed and do not store with seeds, fertilisers or other herbicides.

TRANSPORT



MATERIAL SAFETY DATA SHEET

PRODUCT: BUTICIDE 2,4-DB Herbicide	Infosafe No:NU01F ISSUED: Nov 00
---	---

STORAGE AND TRANSPORT: - (continued)

Considered non hazardous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Packaging and Labelling:

WARNING

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING

The product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as hazardous:

Risk Phrases:

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

Safety Phrases:

S2 - Keep out of reach of children

S13 - Keep away from food, drink and animal feeding stuffs

SPILLS AND DISPOSAL:

Contain spill and absorb with sand or proprietary absorbent (vermiculite).

Prevent from entering drains, waterways or sewers.

Collect in sealed open top containers for disposal.

Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

FIRE/EXPLOSION HAZARD:

May emit toxic fumes of hydrogen chloride or phosgene if material is involved in fires or subjected to extreme heat.

If involved in fire, breathable air apparatus should be worn in confined spaces. Keep upwind.

Will not burn but drums should be kept cool with water spray.

Reactivity Data:

The addition of acid to the formulation will precipitate 2,4-DB acid and will affect the herbicidal activity.

Very hard water may cause precipitation of 2,4-DB.

Polymerisation is not possible.

No other adverse reactions are known.

..... **OTHER INFORMATION**

User Data:

WSA Haz? :Y



103 - 105 PIPE ROAD, LAVERTON NORTH, VIC. AUSTRALIA 3026
Postal Address: PO Box 103, LAVERTON, VIC. AUSTRALIA 3028
Telephone: 03 9282 1000 Fax: 03 9282 1001


MATERIAL SAFETY DATA SHEET

Page 5

PRODUCT: BUTICIDE 2,4-DB Herbicide

Infosafe No: NU01F
ISSUED: Nov 00

Contact Point:


Normal Hours: Mr. Volker Maier Phone: (03) 9282-1000
After Hours: Shift Supervisor Phone: 1 800 033 498

End: Infosafe printed Material Safety Data Sheet - 28 November 2000