

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

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PRODUCT: LUSTA Infosafe No: NUOAT ISSUED: Apr 01

Not classified as hazardous according to criteria of Worksafe Australia

UN NO...:

D.G.CLASS:

CAS NO...:

HAZCHEM..:

SUB. RISK:

SUSDP....: S5(FED) S5(NSW) S5(VIC) S5(SA) S5(WA) S5(Qld) S5(Tas) S5(NT)

G.T.EPG..:

SPEC.EPG.:

PACK. GRP:

PRODUCT IDENTIFICATION

OTHER NAMES:

TRADENAMES .: LUSTA

MANUF .:

MANCODE:

0560

INGREDIENTS:

CHEMICAL ENTITY:

CAS NO:

PROPORTION:

Chlorsulfuron

64902-72-3

75% w/w

Inerts

25% w/w

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE:

White to light tan powder.

BOILING POINT: N/A

MELTING POINT....: 174 - 178°C (technical)

VAPOUR PRESSURE...: 4.6 x 10-6mm Hg (technical)

VOLATILE COMPONENT .: N/A

SPECIFIC GRAVITY...: 0.5 (bulk density)

FLASH POINT....:

FLAMMABILITY LIMITS: N/A

FORM..... Solid

OTHER PROPERTIES:

Moderately soluble in water.

USE:

For the control of Annual (Wimmera) Ryegrass and certain broadleaved weeds in winter cereal crops.

HEALTH HAZARD INFORMATION

ACUTE EFFECTS

SWALLOWED:

Low toxicity through this route.

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EYE:

May cause iritis, moderate conjunctivitis.

SKIN:

Not a skin irritant or sensitiser.

INHALED:

May irritate the throat.

CHRONIC EFFECTS

No observable effects at high dose levels.

OTHER HEALTH HAZARD INFORMATION

Acute Over Exposure: Product of low toxicity. No observable effects.

FIRST AID

SWALLOWED:

Seek medical advice.

EYE:

Flush eyes for 15 minutes with copious quantities of water, eyelids held open. Seek medical advice.

SKIN:

Remove contaminated clothing and launder before re-use.

Wash affected parts of the body thoroughly with soap and water.

INHALED:

Avoid breathing dust. Remove patient to fresh air.

FIRST AID FACILITIES:

ADVICE TO DOCTOR:

Treat symptomatically.

TOXICITY DATA:

Technical Chlorsulfuron

Toxicity to mammals:

Acute oral LD50 (male rats): 5545mg/kg

(female rats): 6293mg/kg

Acute percutaneous LD50 (rabbits): >3400mg/kg

Acute inhalation LD50 (rats, 4 hours): 5.9mg/L air

Toxicity to birds:

Acute oral LD50 (mallard ducks, bobwhite quail): >5000mg/kg

Toxicity to fish:

LC50 (96 hours) (rainbow trout, bluegill sunfish): >250mg/l

In 2 year feeding trials, rats receiving 100mg/kg diet and mice receiving 500mg/kg diet showed no ill effect. Tests for oncogenicity, mutagenicity

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TOXICITY DATA: - (continued)

and teratogenicity were negative.

The Australian Acceptable Daily Intake(ADI) of chlorsulfuron for a human is 0.05mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 5mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.(Ref: Comm. Dept. of Human Services and Health, "ADI List", AGPS, May 1994).

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

No exposure standards have been set for this product. When handling the solid, the standard nuisance dust TLV of 10mg/m3 should be observed.

ENGINEERING CONTROLS:

Natural ventilation only

Avoid generation of dusts. If generation of dust cannot be avoided, wear an appropriate agricultural dust mask.

PERSONAL PROTECTION:

Avoid contact with eyes and skin. Do not inhale spray mist. 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.

FLAMMABILITY:

Non flammable.

ENVIRONMENT:

Do not contaminate any body of water by spraying, cleaning of equipment or disposal of waste. Do not re-use container. Crush and bury the empty container in an approved landfill, or bury under at least 500mm of soil in a non-crop, non-pasture area, away from water sources and homes. Slowly hydrolyses in water at neutral pH (50% hydrolysis in 4-8 weeks at 20°C), more rapid hydrolysis occurs in acid solution.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT:

STORAGE:

Store in the closed original container in a dry, well ventilated area as cool as possible out of direct sunlight. Keep from contact with foodstuffs, fertilisers, fungicides and seeds.



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STORAGE AND TRANSPORT: - (continued)

TRANSPORT:

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 not hazardous.

SPILLS AND DISPOSAL:

Clean up promptly by scoop or vacuum. Do not flush with water. If spill area is on ground near trees or other valuable plants, remove top 5cm of soil after initial cleanup.

Neutralising chemical: Activated charcoal. For tank cleanup use chlorine bleach (as per label instructions).

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:

On small fire use dry chemical, CO, foam or water spray. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the contamination hazard. If conditions do not permit, extinguish with water spray. May be ignited by heat or open flame. If involved in a fire, oxides of nitrogen and sulphur can be evolved and breathing apparatus should be worn if fighting a fire in confined spaces.

Control fire water, prevent from entering drains.

Reactivity Data:

Not reactive. Polymerisation is not possible.

OTHER INFORMATION

User Data:

WSA Haz? :N

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 - 4 April 2001