



PRODUCT: L.V.E. MCPA Low Volatile Ester Herbicide	Infosafe No: NU026 ISSUED: Oct 02
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Hazardous according to criteria of Worksafe Australia

UN NO....:N/A D.G.CLASS: CAS NO...:N/A
 HAZCHEM... SUB. RISK:
 SUSDP....: S6 (FED) S6 (NSW) S6 (VIC) S6 (SA) S6 (WA) S6 (Qld) S6 (Tas) S6 (NT)
 G.T.EPG... SPEC.EPG.: PACK. GRP:

===== PRODUCT IDENTIFICATION =====

OTHER NAMES:

TRADENAMES.: **MANUF.:** **MANCODE:**
 LVE MCPA Low Volatile Ester Herb. NUFARM 0568

INGREDIENTS:

CHEMICAL ENTITY:	CAS NO:	PROPORTION:
Technical MCPA (expressed as MCPA acid) (present as the iso-octyl ester)	94-74-6	500g/L
Dobenz HF		<10% w/v
Teric 200	63496-57-1	<10% w/v
Teric N 30	9016-45-9	<10% w/v
Solvesso 150	64742-94-5	10-20% w/v

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE:

Clear, brown liquid with characteristic solvent odour.

BOILING POINT.....: 182-202°C (for solvent present)
MELTING POINT.....: <0°C
VAPOUR PRESSURE....: 0.400kPa @ 38°C (for solvent present)
VOLATILE COMPONENT.: 0%
SPECIFIC GRAVITY...: 1.040
FLASH POINT.....: 70°C (PMCC)
FLAMMABILITY LIMITS: LEL: 0.6 UEL: 7.0 (for solvent present)
EXPLOSIVE LIMITS...: Unknown
AUTOIGNITION TEMP..: Unknown
REL. VAPOUR DENSITY: >1 (for solvent present)
DECOMPOSITION TEMP.: >>150°C
FORM.....: Liquid
OTHER PROPERTIES:

Forms an emulsion on mixing with water.



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USE:

For selective control of certain weeds in agricultural crops and pastures as listed in the Directions for use table. Compatible with Diclofop methyl and Metsulfuron.

HEALTH HAZARD INFORMATION

ACUTE EFFECTS

SWALLOWED:

A moderate hazard from the concentrate exists due to the active ingredient - the solvents may cause intoxication and nausea.

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

Amounts swallowed incidental to normal handling procedure are not expected to cause injury. However, swallowing of larger amounts of concentrate may cause injury. If aspirated into the lungs eg from vomiting, the presence of Solvesso 150 may cause chemical pneumonitis.

EYE:

The concentrate will cause irritation but permanent damage is not expected.

SKIN:

MCPA iso octyl ester can be absorbed through the skin. Although only moderately toxic, any spillage, especially of the concentrate, should be washed off thoroughly. Prolonged or repeated exposure may cause defatting of the skin which could lead to secondary dermatitis.

INHALED:

Inhalation of solvent for lengthy periods may cause headache, nausea or intoxication.

CHRONIC EFFECTS

A potential risk exists to the liver and kidneys if exposure is repeated excessively.

OTHER HEALTH HAZARD INFORMATION

Acute Over Exposure: Intoxication, nausea and vomiting from solvent and lethargy, motor weakness and inco-ordination from active ingredient.

FIRST AID

SWALLOWED:

If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

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EYE:

Immediately irrigate with copious quantity of water for at least 15 minutes.
Eyelids to be held open.

SKIN:

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

INHALED:

Remove victim to fresh air until recovered.

FIRST AID FACILITIES:

If poisoning occurs, contact a doctor or Poison Information Centre 13 1126.

ADVICE TO DOCTOR:

Treat symptomatically.

If vomiting occurs be wary of the possibility of pulmonary pneumonitis that can be caused by the solvents.

TOXICITY DATA:

MPCA:

MCPA is considered to be moderately toxic. Over many years of use, very few acute toxic effects on users have been reported. Several deaths have been reported, all of these were suicides.

There is no accurate toxicity information on the iso-octyl ester of MCPA. Information on other MCPA esters indicates that their toxicity is no higher than that of MCPA itself.

MCPA Toxicity

Toxicity to mammals:

Acute oral LD50 (rats): 700mg/kg

(mice): 550mg/kg

Acute percutaneous LD50 (rats): >1000mg/Kg

Toxicity to fish.

Threshold value in perch: 200 mg/L

roach: 215 mg/L (3-4 days)

LD50 in rainbow trout: 232 mg/L (96 hours)

Toxicity to bees: Considered not toxic to bees

The Australian Acceptable Daily Intake (ADI) of MCPA for a human is 0.01mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 1.1mg/kg/day, the level determined to show no effects

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TOXICITY DATA: - (continued)

during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, "ADI List", TGA, March 2002).

:::::::::::::::::::::::::::::::: **PRECAUTIONS FOR USE** ::::::::::::::::::::::::::

EXPOSURE STANDARDS:

No exposure limits have been set for this formulation.
The manufacture of the solvent has recommended an occupational exposure limit of 100mg/m³ (17 ppm) TWA.

ENGINEERING CONTROLS:

A fume extraction device should be used to remove solvent vapours during running off or formulation procedures or whenever handling the concentrate in confined spaces

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 face shield. Avoid working in and breathing spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves and face shield.

FLAMMABILITY:

Combustible.

ENVIRONMENT:

Do not contaminate dams, rivers or streams with pesticide or used containers. Do not use the container for any other purpose. Dispose of used container in a responsible manner.

:::::::::::::::::::::::::::::::: **SAFE HANDLING INFORMATION** ::::::::::::::::::::::::::

STORAGE AND TRANSPORT:

STORAGE:

Keep container tightly sealed and do not store with seed or fertilizer.

ROAD, SEA & AIR TRANSPORT:

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

Packaging and Labelling:

POISON

Keep out of reach of children.
Read safety directions before opening or using.

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Packaging and Labelling: - (continued)

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.
- R65 Harmful: may cause lung damage if swallowed.

Safety Phrases:

- S2 Keep out of reach of children.
- S13 Keep away from food, drink and animal feeding stuffs.
- S23 Do not breathe vapour.
- S24 Avoid contact with skin.
- S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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. Breathable air apparatus may have to be worn if material is involved in fires in confined spaces. Keep upwind.
 Extinguishing media: "Alcohol" foam, water fog, dry chemical, or carbon dioxide.

Reactivity Data:

May react violently with strong oxidising agents.
 Avoid chlorine and inorganic peroxides.
 Hazardous polymerization is not possible.

OTHER INFORMATION

User Data:
 WSA Haz? :Y



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Contact Point:

Normal Hours: Mr. Volker Maier Phone: (03) 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498

End: Infosafe printed Material Safety Data Sheet - 24 January 2003