

SAFETY DATA SHEET



DuPont™ Velpar® L herbicide

Version 2.0

Revision Date 03.02.2010

Ref. 130000000166

This SDS adheres to the standards and regulatory requirements of Australia and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : DuPont™ Velpar® L herbicide
Use of the : Herbicide
Substance/Mixture
Company : Du Pont (Australia) Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Telephone : (02) 9923 6111
Telefax : (02) 9923 6011
Emergency telephone : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : B10048626

Components

Chemical Name	CAS-No.	Concentration
Hexazinone	51235-04-2	25 %
Ethanol	64-17-5	40 - 45%
Inert Ingredients		30 - 35%

3. HAZARDS IDENTIFICATION

Hazardous classification

Classified as dangerous goods according to the ADG Code
Not regulated as a hazardous material by IATA.
Optional classification as per IATA Special Provision A97.
Classified as hazardous according to criteria of NOHSC.

Risks

Flammable.
Risk of serious damage to eyes.

Safety data

Keep out of the reach of children.
Keep away from food, drink and animal stock feed.
When using do not eat, drink or smoke.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear eye/face protection.
If swallowed, seek medical advice immediately and show this container or label.
This material and its container must be disposed of in a safe way.
Use appropriate container to avoid environmental contamination.

DuPont™ Velpar® L herbicide

Version 2.0

Revision Date 03.02.2010

Ref. 130000000166

4. FIRST AID MEASURES

- General advice : If poisoning occurs, contact a doctor or Poisons Information Centre. In Australia 13 11 26.
- Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.
- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
- Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Call a physician.
- Ingestion : Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control centre. Never give anything by mouth to an unconscious person. Call a poison control centre or doctor for treatment advice.

Notes to physician

- Treatment : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)
- Extinguishing media which shall not be used for safety reasons : High volume water jet (contamination risk)
- Specific hazards during fire fighting : Flammable liquid vapours may form explosive mixtures with air.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Small fires: If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.

SAFETY DATA SHEET



DuPont™ Velpar® L herbicide

Version 2.0

Revision Date 03.02.2010

Ref. 130000000166

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Review sections 5 and 7 before proceeding with clean-up. Use personal protective equipment.
- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- Methods for cleaning up : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.
- Additional advice : Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Avoid inhalation of vapour or mist.
- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

Storage

- Requirements for storage areas and containers : Store product in original container only, away from other pesticides, fertilizer, food or feed. Store in a well-ventilated area away from heat and sunlight. Avoid freezing temperatures. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Chemical Name	Occupational Exposure Limits		Regulation
Ethanol	TWA	1,000 ppm, 1,880 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	TWA	1,000 ppm	US. ACGIH Threshold Limit Values (2004)
	STEL	1,000 ppm	US. ACGIH Threshold Limit Values (2009)

Engineering measures

Use only with adequate ventilation.

SAFETY DATA SHEET



DuPont™ Velpar® L herbicide

Version 2.0

Revision Date 03.02.2010

Ref. 130000000166

Personal protective equipment

- Hand protection : Material: Polyvinyl chloride - PVC
Glove length: Long sleeve gloves
- Eye protection : Face-shield, Goggles
- Skin and body protection : None specified.
- Hygiene measures : Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. Wash hands and face before breaks and immediately after handling the product. Wash all protective clothing after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
- Colour : Light yellow
- Odour : Alcohol-like
- Flash point : 23 - 25 °C
- Density : 0.97 g/cm³
- Water solubility : Dispersible

10. STABILITY AND REACTIVITY

- Materials to avoid : Hydrolyses in presence of:
Strong acids and strong bases
- Hazardous decomposition products : No information available.
- Hazardous reactions : Polymerization will not occur. Stable at normal temperatures and storage conditions.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50/Rat : 4,120 mg/kg
- Acute inhalation toxicity : LC50/4 h/Rat : > 5 mg/l
- Acute dermal toxicity : LD50/Rat : > 5,000 mg/kg
- Skin irritation : Animals (Unspecified species)
Result: Slight irritation

DuPont™ Velpar® L herbicide

Version 2.0

Revision Date 03.02.2010

Ref. 130000000166

Eye irritation	:	Animals (Unspecified species) Result: Corrosive
Sensitisation	:	Guinea pig Classification: Did not cause sensitisation on laboratory animals.
Repeated dose toxicity	:	The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. Active ingredient Oral - feed, Dog Increased liver enzyme levels in serum, Liver effects Oral - feed, Rat Reduced body weight gain, Organ weight changes, Liver Oral - feed, Mouse Reduced body weight gain, Organ weight changes, Liver, Liver effects
Mutagenicity assessment	:	Did not cause genetic damage in cultured bacterial cells. Did not cause genetic damage in cultured mammalian cells. Did not cause genetic damage in animals. Active ingredient
Carcinogenicity assessment	:	Overall weight of evidence indicates that the substance is not carcinogenic. Active ingredient
Toxicity to reproduction assessment	:	Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity. Active ingredient
Assessment teratogenicity	:	Animal testing showed effects on embryo-foetal development at levels equal to or above those causing maternal toxicity. Active ingredient

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

Toxicity to fish	:	LC50/96 h/ <i>Oncorhynchus mykiss</i> (Rainbow trout): > 320 mg/l Active ingredient
Toxicity to algae	:	ErC50/120 h/ <i>Pseudokirchneriella subcapitata</i> (Green algae): 0.0068 mg/l Active ingredient
Aquatic toxicity	:	EC50/48 h/ <i>Daphnia magna</i> (Water flea): 110 mg/l Active ingredient

Further information on ecology

SAFETY DATA SHEET


DuPont™ Velpar® L herbicide

Version 2.0

Revision Date 03.02.2010

Ref. 13000000166

Additional ecological information : See product label for additional application instructions relating to environmental precautions.

13. DISPOSAL CONSIDERATIONS

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Do not re-use empty containers.

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.

14. TRANSPORT INFORMATION
ADG

UN-Number : 1170
 Proper shipping name : Ethanol solution
 Class : 3
 Packaging group : III
 Hazchem Code : 2[Y]

IMDG

UN-Number : 1170
 Proper shipping name : Ethanol solution
 Class : 3
 Packaging group : III
 Labelling No. : 3
 Marine pollutant : No

Further information : Classified as dangerous goods according to the ADG Code
 Not regulated as a hazardous material by IATA.
 Optional classification as per IATA Special Provision A97.

15. REGULATORY INFORMATION
Labelling

Symbol(s) : Xi Irritant

Hazardous components : Hexazinone

R-phrase(s) : R10 Flammable.
 R41 Risk of serious damage to eyes.

S-phrase(s) : S 2 Keep out of the reach of children.
 S13 Keep away from food, drink and animal stock feed.

DuPont™ Velpar® L herbicide

Version 2.0

Revision Date 03.02.2010

Ref. 130000000166

S20/21	When using do not eat, drink or smoke.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39	Wear eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
S35	This material and its container must be disposed of in a safe way.
S57	Use appropriate container to avoid environmental contamination.

Further information : Classified as hazardous according to criteria of NOHSC.

National regulatory information

SUSDP : Schedule 5

To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION**Sources of key data used to compile the Safety Data Sheet:**

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Code for the Transport of Dangerous Goods by Road & Rail No. 7 [National Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

Department:

Du Pont (Australia) Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Further information:

Take notice of the directions of use on the label.

® DuPont's registered trademark

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.