

**Telar herbicide**Version 1.0  
Document no. 130000000092Revision Date 03.01.2018  
Issue Date 03.01.2018

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

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product name** : Telar herbicide**Other names** : B10045552  
DPX-W4189 75WG**Recommended use of the chemical and restriction on use**

Recommended use : Herbicide

Restrictions on use : Do not use product for anything outside of the above specified uses.

**Manufacturer, importer, supplier, representative office**Company : Cheminova New Zealand Ltd  
Street address : 16 Clayton Street, Newmarket  
Auckland 1023Telephone : 0800 658080  
Telefax : (09)-271-2961**Emergency telephone number** : NZ Poisons Information Centre Ph: 0800 764766;  
24-hour Medical Emergency: 0800 111174;  
Transport Emergency: 0800 387668**2. HAZARDS IDENTIFICATION**Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001  
Classified as a Dangerous Good according to NZS 5433**HSNO Classification:**6.3B : Skin irritation  
9.1A : Aquatic toxicity (Acute or Chronic)

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

**Label content**

Pictogram :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.

Precautionary statements : Collect spillage.  
Dispose of contents/ container to an approved waste disposal plant.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Telar herbicide**

Version 1.0  
Document no. 130000000092

Revision Date 03.01.2018  
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**Chemical nature** : Mixture

**Components**

Chemical name	CAS-No.	Concentration
Chlorsulfuron	64902-72-3	75 %
Other Ingredients		25 %

**4. FIRST AID MEASURES**

Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if you feel unwell.  
Never give anything by mouth to an unconscious person.  
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

- Inhalation** : Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician after significant exposure.  
Take victim immediately to hospital.
- Skin contact** : Wash off immediately with soap and plenty of water. Take off contaminated clothing and shoes immediately. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- Eye contact** : If easy to do, remove contact lens, if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.  
Take victim immediately to hospital.
- Ingestion** : Obtain medical attention. Do not induce vomiting without medical advice. If victim is conscious: Rinse mouth with water. Drink 1 or 2 glasses of water.
- Most important symptoms/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.
- Notes to physician** : Treat symptomatically.

**5. FIREFIGHTING MEASURES**

- Suitable extinguishing media** : Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media** : High volume water jet, (contamination risk)
- Specific hazards** : No information available.
- Special protective equipment for firefighters** : Wear full protective clothing and self-contained breathing apparatus.
- Specific extinguishing methods** : No information available.

## Glean herbicide

Version 1.0

Revision Date 03.01.2018

Document no. 130000000092

Issue Date 03.01.2018

- 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.  
(on 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.
- Hazchem Code** : 2Z

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Control access to area. Keep people away from and upwind of spill/leak. Avoid dust formation. Avoid breathing dust. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up** : Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Clean-up methods - large spillage Avoid dust formation. Prevent further leakage or spillage. Use approved industrial vacuum cleaner for removal. Shovel into suitable container for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.
- Additional advice** : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

### 7. HANDLING AND STORAGE

#### Handling

- Technical measures/Precautions** : Avoid contact with skin and eyes. Do not breathe dust or spray mist. When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.
- Precautions for safe handling** : Keep away from heat and sources of ignition. Avoid dust formation in confined areas. During processing, dust may form explosive mixture in air.

#### Storage

- Suitable storage conditions** : Keep out of the reach of children. Do not store with feed, seeds or foodstuffs. Store in original container. Keep container tightly closed. Keep locked up.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

No occupational exposure limit values are applicable.

- Engineering measures** : Use only with adequate ventilation.

**Glean herbicide**Version 1.0  
Document no. 130000000092Revision Date 03.01.2018  
Issue Date 03.01.2018**Biological occupational exposure limits** : No information available.**Personal protective equipment**

Respiratory protection : None specified.

Hand protection : Material: Waterproof gloves

Eye protection : None specified.

Skin protection : When mixing or applying wear:., Waterproof gloves, hat, overalls, Footwear (shoes, boots).

**Hygiene measures** : Avoid contact with the skin and the eyes. When using do not eat, drink or smoke. Avoid breathing dust or spray mist. Wash hands and face before breaks and after work.  
Wash hands before breaks and immediately after handling the product.**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance (Physical state, form, colour, etc.)**Physical state : solid  
Form : solid, dry, free flowing, water dispersible granules  
Colour : tan**Odour** : slight acrid**Odour Threshold** : No information available.**pH** : 4.4 - 5.4**Melting point/freezing point**

Melting point : Not available for this mixture.

**Initial boiling point and boiling range**

No information available.

**Flash point** : No information available.**Evaporation rate** : No information available.**Flammability (solid, gas)** : No information available.**Upper/lower flammability or explosive limits**Upper explosion limit : No information available.  
Lower explosion limit : No information available.**Vapour pressure** : No information available.**Vapour density** : No information available.**Density**Specific gravity (Relative density) : Not available for this mixture.  
Bulk density : 672 kg/m<sup>3</sup>

**Glean herbicide**

Version 1.0  
Document no. 130000000092

Revision Date 03.01.2018  
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**Solubility(ies)**

Water solubility : dispersible

**Partition coefficient: n-octanol/water**

: No information available.

**Auto-ignition temperature**

No information available.

**Decomposition temperature**

: No information available.

**Viscosity**

Viscosity, kinematic : No information available.

**Molecular weight**

: No information available.

**10. STABILITY AND REACTIVITY**
**Reactivity**

: No information available.

**Chemical stability**

: Stable under normal conditions.No decomposition if stored and applied as directed.

**Possibility of hazardous reactions**

: Decomposes slowly on exposure to water.

**Conditions to avoid**

: Exposure to moisture Decomposes slowly on exposure to water. To avoid thermal decomposition, do not overheat. Under severe dusting conditions, this material may form explosive mixtures in air.

**Materials to avoid**

: None reasonably foreseeable.

**Hazardous decomposition products**

: No information available.

**11. TOXICOLOGICAL INFORMATION**
**Acute toxicity**
**Oral**

Glean herbicide : LD50/Rat: > 2,000 mg/kg  
The substance or mixture has no acute oral toxicity

**Inhalation**

Chlorsulfuron : LC50/4 h/Rat(dust/mist): > 5.5 mg/l

**Dermal**

Glean herbicide : LD50/Rat: > 5,000 mg/kg

**Skin corrosion/irritation**

Glean herbicide : Species: Rabbit  
Result: No skin irritation  
Minimal effects that do not meet the threshold for classification.

**Glean herbicide**

Version 1.0

Revision Date 03.01.2018

Document no. 130000000092

Issue Date 03.01.2018

**Serious eye damage/eye irritation**

Glean herbicide : Species: Rabbit  
 Result: No eye irritation  
 Minimal effects that do not meet the threshold for classification.

**Respiratory or skin sensitisation**

Glean herbicide : Species: Guinea pig  
 Result: Did not cause sensitisation on laboratory animals.

**Germ cell mutagenicity**

Chlorsulfuron : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**Carcinogenicity**

Chlorsulfuron : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  
 Target(s):  
 Leydig cells  
 A slight increased incidence in tumors was observed in one species, but not in other species.  
 Not classifiable as a human carcinogen.

**Reproductive toxicity**

Chlorsulfuron : Reproductive toxicity: No toxicity to reproduction  
 Teratogenicity: The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  
 Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

**Specific Target Organ Toxicity**
**Specific target organ toxicity - repeated exposure**

Glean herbicide : Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

**Aspiration hazard**

No information available.

**Other**

Chlorsulfuron : Repeated dose toxicity:  
 No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  
 Inhalation/Rat  
 Reduced body weight gain, Kidney effects, Spleen effects, Bloody urine, bone marrow changes  
 Oral/Rat  
 Reduced body weight gain, altered blood chemistry  
 Oral/Dog  
 Abnormal decrease in number of red blood cells

**12. ECOLOGICAL INFORMATION**

## Glean herbicide

Version 1.0

Revision Date 03.01.2018

Document no. 130000000092

Issue Date 03.01.2018

### Ecotoxicity effects

Acute and prolonged toxicity to fish

- Chlorsulfuron : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 122 mg/l  
 LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 128 mg/l  
 LC50/96 h/Cyprinodon variegatus (sheepshead minnow): > 980 mg/l

Toxicity to aquatic plants

- Glean herbicide : EC50/72 h/Selenastrum capricornutum (green algae): 0.00024 mg/l

Acute toxicity to aquatic invertebrates

- Chlorsulfuron : EC50/48 h/Daphnia magna (Water flea): > 112 mg/l  
 LC50/96 h/Americamysis bahia (mysid shrimp): 89 mg/l

### Soil Ecotoxicity

Toxicity to soil dwelling organisms

- Chlorsulfuron : LC50/14 d/Eisenia fetida (earthworms): > 1,000 mg/kg  
 Method: OECD Test Guideline 207  
 Information source: Internal study report

### Persistence and degradability

- Glean herbicide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

### Bioaccumulation

- Glean herbicide : Does not bioaccumulate. Estimation based on data obtained on active ingredient.

### Mobility in soil

No information available.

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

- Waste disposal methods** : In accordance with local and national regulations. The product should not be allowed to enter drains, water courses or the soil.  
 Do not reuse empty container.  
 Dispose of the product in accordance with label directions.

- Contaminated packaging** : Do not re-use empty containers.  
 Triple rinse containers. Add rinsings to spray tank. If not recycling, burn if circumstances permit otherwise bury in an approved landfill.

## 14. TRANSPORT INFORMATION

### NZS 5433

- UN number : 3077  
 UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
 (Chlorsulfuron)  
 Transport hazard class : 9  
 Packing group : III

### IMDG

- UN number : 3077

# SAFETY DATA SHEET



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UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Chlorsulfuron)  
Transport hazard class : 9  
Packing group : III  
Marine pollutant : yes

### IATA

UN number : 3077  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Chlorsulfuron)  
Transport hazard class : 9  
Packing group : III

Matters needing attention for transportation : Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code and IATA special provision A197. If the product meets these special provisions, it may be shipped in New Zealand as a non-dangerous goods under provisions in NZS 5433 code which accepts IMDG and IATA classification.

## 15. REGULATORY INFORMATION

HSNO Number : HSR000231  
HSNO Controls : E1, E2, E5, E6, E7, E8  
I1, I3, I9, I11, I16, I17, I18, I19, I21, I23, I28, I29  
P1, P3, P13, P15, PG3  
D4, D5, D6, D7, D8  
EM1, EM7, EM8, EM11, EM13, AH1  
T1, T2, T4, T7  
E1, E2, E5, E6, E7  
I1, I3, I9, I11, I16, I19, I21, I23, I28, I29  
P1, P3, P13, P15, PG3  
D4, D5, D6, D7, D8  
EM1, EM6, EM7, EM8, EM11, EM12, EM13

ACVM Number: P003096

## 16. OTHER INFORMATION

### References

SDS Number: 130000000092

### Revision Date/Version

Date of first preparation : 03.01.2018  
Revision Date : 03.01.2018  
Version : 2.2

Significant change from previous version is denoted with a double bar.



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Version 1.0

Revision Date 03.01.2018

Document no. 130000000092

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