



SEMPRA® Herbicide

Statement of Hazardous Nature

Hazardous according to criteria of Worksafe Australia

Identification

Product Name SEMPra® Herbicide

Issued	10/1/2000	Supersedes	28/4/1997	MSDS No.	238
UN No		Hazardous	Yes	Hazchem	N/A
DG Class	N/A	Poison Schedule	5	Prod. Code	US S00012676
Sub Risk	N/A	Packing Group	N/A		

Other Names

Jses Herbicide. NOT FOR REFORMULATION OR REPACKING.

Physical Description/Properties

Appearance and Odour: Beige granules

Odour: Scorched vanilla

Specific Gravity: N/A

Boiling Point (C): N/A

Melting Point (C): Not available

Vapour Pressure: N/A

Vapour Density: N/A

Evaporation Rate: N/A

Percent Volatiles: None

Solubility (Water): Dispersible

Bulk Density: 0.6 kg/L pH (1% solution): 6.6

FIRE/EXPLOSION HAZARD

Flash Point (C): This material is not combustible as tested by the Tag Closed Cup test.

Autoignition: Not applicable

LEL: Not applicable

UEL: Not applicable

Ingredients

Chemical	CAS No.	Proportion
HALOSULFURON-METHYL	100784-20-1	75.0 % w/w
KAOLIN	1332-58-7	8-13 % w/w
SILICA, AMORPHOUS PRECIPITATED	112926-00-8	<3 % w/w
CARRIER, BINDING AND ANTIFOAM AGENTS		Balance



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Health Hazards

Health Effects

Swallowed

No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.

Skin

Slightly irritating to skin.

Eye

Moderately irritating to eyes. May cause pain, redness and tearing based on toxicity studies

Inhaled

May cause respiratory tract irritation.

NOTE: SEMBRA herbicide contains less than 1.0% sodium sulfite. In sulfite-sensitive individuals, skin reactions have been reported following dermal exposures, and respiratory reactions have been reported on ingestion of food, or on ingestion or inhalation of medications which contain related sulfiting agents (bisulfites or metabisulfites) as preservatives. Individuals with asthma may be more prone to these types of reactions.

First Aid

Swallowed

If swallowed, remove visible particles from mouth and rinse thoroughly with water. Swallow water to dilute. Seek medical advice.

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Skin

Remove contaminated clothing and wash skin thoroughly. Launder contaminated clothing before reuse.

Eye

Hold eyes open, flood with water for at least 15 minutes and see a doctor.

Inhaled

Remove to fresh air.

Get medical attention if breathing difficulty develops.

Advice to Doctor

If further treatment guidance is required, contact Emergency Number: 1800 033 111.



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Precautions For Use

Exposure Standards

Airborne Exposure Limits:

OSHA PEL	ACGIH TLV	
SEMPRA herbicide	None established	None established
Kaolin Clay	15mg/m ³ 8-hr TWA	10mg/m ³ total dust
8-hr TWA*	5mg/m ³ 8-hr TWA respirable fraction	
Amorphous Silica, Hydrated	6mg/m ³ 8-hr TWA	10mg/m ³ 8-hr TWA*

*value for dust containing <1% crystalline silica.

Engineering Controls

Provide ventilation to control exposure levels below airborne exposure limits. Use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Personal Protection

Precautionary Measures:

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling.

Eye Protection:

Wear safety goggles to prevent eye contact during operations such as mixing or transfer or other activities where there is potential for eye contact.

Skin Protection:

Avoid contact as good industrial hygiene practice.

Wash hands and contaminated skin thoroughly after handling.

Respiratory Protection:

Avoid breathing dust. Use appropriate equipment when airborne exposure limits are exceeded.

Consult respirator manufacturer to determine appropriate type of equipment for given application.

The respirator use limitations specified by the manufacturer must be observed. Respiratory protection programs must be in compliance with AS 1715 and AS 1716.

Avoid breathing spray mist.

Flammability

Not combustible or flammable.

See Safe Handling Information - Fire/Explosion Hazard.



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Safe Handling Information

Storage and Transport

Store under cool, dry conditions (below 49C). Do not store under moist conditions.

The shelf life of this material is expected to be at least two years under normal conditions of storage (<35 C).

Do not contaminate water, food, seed or feed by storage or disposal.

Australian Transport Code:

Label: N/A Packaging Group: N/A EPG/GTEPG: N/A

Spills and Disposal

Spill or Leakage Procedures:

Observe all PRECAUTIONS FOR USE, including use of rubber boots or rubber overshoes, when cleaning up spills. Collect solid material and place in a metal or plastic-lined container and dispose of in accordance with instructions provided under Waste Disposal.

After all material is removed, wash floors and other impervious surfaces with an industrial detergent solution and rinse with water.

Waste Disposal:

Wastes that cannot be used according to label instructions or chemically re-processed should be disposed of in a landfill approved for pesticide disposal. Dispose of in accordance with all applicable local and state laws. Avoid contamination of fertilizers, spray materials, seed, feed, foodstuffs or water by storage or disposal.

Containers:

Emptied containers retain material residue. Observe all labelled safeguards until container is cleaned, reconditioned or destroyed. Consult appropriate regulatory officials for information on disposal.



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Safe Handling Information

(Continued)

Fire/Explosion Hazard

Extinguishing Media:

Not combustible. Use appropriate extinguishing media for exposure fire.

Special Fire-fighting Procedures:

Fire fighters or others exposed to products of combustion from exposing fire should wear full protective clothing including self-contained breathing apparatus. Thoroughly decontaminate equipment after use.

Unusual Fire and Explosion Hazards:

None

Reactivity Data:

Stability - shelf life expected to be at least two years under normal conditions of storage

Incompatibility - none known

Hazardous decomposition products - none known

Hazardous polymerization - does not occur

Other Information

Special Notes

Warning Statements:

CAUTION.

KEEP OUT OF REACH OF CHILDREN.

READ SAFETY DIRECTIONS ON LABEL BEFORE OPENING OR USING.

Harmful if swallowed.

Avoid contact with eyes and skin.

Do not inhale dust.

Wash hands after use.



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Other Information

(Continued)

Other Information

Toxicological Data on components (continued):

COMPONENT: Kaolin (containing <1% crystalline silica) Inhalation of excessive amounts of kaolin dust may produce coughing, sneezing and nasal irritation. Long-term over-exposure to kaolin dust may cause respiratory difficulties, such as decreased lung capacity.

COMPONENT: Silica, hydrated amorphous. Inhalation of silica dust can cause drying of mucous membranes of the eyes, nose and throat (due to absorption of moisture and oils) which may result in irritation and occasional nose bleeds. Repeated exposure to silica gel has NOT been reported to have significant adverse health effects in workers. However, persons with breathing problems or lung disease may be at an increased risk. Laboratory studies in animals exposed by inhalation to silica gel have shown no adverse effects.

Environmental Effects of Halosulfuron-methyl:

96-hr LC50 Bluegill sunfish:	Slightly toxic	>21.4 mg/L
96-hr LC50 Rainbow trout:	Slightly toxic	>26.7 mg/L
48-hr LC50 Daphnia magna:	Slightly toxic	>24.0 mg/L
5-day dietary LC50 Bobwhite quail:	Practically non-toxic	>5620 ppm
5-day dietary LC50 Mallard duck:	Practically non-toxic	>5620 ppm
Acute oral LD50 Bobwhite quail:	Practically non-toxic	2250 mg/kg
Acute contact LD50 Honey bee:	Practically non-toxic	>100 microg./bee
120-hr growth inhibition EC50 Green Algae:	Highly toxic	5.3 ppb
14-day frond production IC50 Duckweed:	Very highly toxic	0.038 ppb

Reason for update: Minor text corrections.

FOR ADDITIONAL NON-EMERGENCY INFORMATION: CALL CUSTOMER SERVICES

FREE CALL 1 800 639 899

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