

Material Safety Data Sheet

Section 01. Identification of the substance/mixture and the company/undertaking

Product Name: 2,4-D amine salt 720g/l SL

Product Code:

Chemical Formula: $C_8H_6Cl_2O_3 \cdot C_2H_7N$

Use of the substance/mixture: Herbicide

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Section 02. Composition/information on ingredients

Ingredients	CAS No.	Concentration (g/l)
Dimethyl amine salt of 2,4-D Dichlorophenoxyacetic acid	2008-39-1	720

Section 03. Hazards identification

A. EMERGENCY OVERVIEW:

Physical Appearance: Light yellow to brown liquid

B. POTENTIAL HEALTH EFFECTS:

This material may cause eye burns and moderate irritation of the skin. Personnel responding to a spill of this material should wear protective clothing to avoid prolonged skin contact or inhalation of mist to prevent toxic effects.

Section 04. First aid measures

Eye Exposure: Immediately flush eyes with water for at least 15 minutes. Seek medical attention.

Skin Exposure: Wash with plenty of soap and water. Get medical attention if irritation persists.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Ingestion: If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. Get medical attention.

NOTES TO PHYSICIAN: No specific antidote exists. Monitor for seizures, gastrointestinal irritation, possible liver, kidney, or muscle damage, arrhythmias, acidosis, dyspnea, headache, coma, hyperthermia, and hypotension. Range of toxicity: fatalities seen after ingestion of 80mg/kg.

Section 05. Fire-fighting measures

Extinguishing Media: Use carbon dioxide, dry chemical, foam or water.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Section 06. Accidental release measures

Spill: Pick up liquid with Oil Dry, cat litter, clay, rags or other absorbent and place in a disposable container. Dispose of in accordance with instructions in Section 13.

Section 07. Handling and storage

Handling: Avoid contact with skin or clothing.. Avoid breathing vapors and mists. Remove pets, and cover fish aquariums before spraying.

Storage: Store in a tightly closed container, away from food, feedstuff, fertilizer and seed.

Section 08. Exposure controls/personal protection

Eye Protection: Goggles or faceshield recommended.

Skin Protection: Protective gloves recommended; applicators should wear long pants and long-sleeved shirt.

Respiratory: In typical applications no engineering controls should be needed.

Section 09. Physical and chemical properties

Physical Appearance: Light yellow to brown liquid

Water Solubility: complete

Section 10. Stability and reactivity

Stability: stable

Conditions To Be Avoided: excessive heat

Incompatibilities: avoid contamination with aqueous mineral acids and oxidizers.

Section 11. Toxicological properties

Toxicological information

(Rat): Oral LD₅₀ =>8,000 mg/kg.

Dermal LD₅₀ =>2000 mg/kg.

Not a contact sensitizer, although may cause dermatitis.

Section 12. Ecological information

Ecotoxicity: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by drift, runoff, or cleaning of equipment or disposal of washwaters.

Section 13. Disposal considerations

Waste Disposal Method: dispose of in accordance with state and local laws and regulations.

Container Handling and Disposal: Consult state and local regulations regarding the proper disposal of container.

Section 14. Transport information

UN Number: 3082

DOT Packing Group: PG III

Class Number: 9

Section 15. Regulatory information

Fire Hazard - NO

Reactive Hazard - NO

Release of Pressure - NO

Acute Health Hazard - YES

Chronic Health Hazard - NO

Section 16. Other information

The information that provided in this MSDS is correct to the best of our knowledge. The information given is designed only as guidance for safety, handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.