



SAFETY DATA SHEET

Quali-Pro Oxadiazon SC

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Revision Date: January 19, 2026

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS is intended to provide important health and safety information for employers, emergency responders and others handling large quantities of the product in activities generally other than product use as required by the Occupational Health and Safety Act (29 CFR 1910.1200). The product label provides information specifically for product use/application. Use, storage, and disposal of pesticide products is regulated by the EPA under the authority of FIFRA through the product label. All necessary hazard classification and appropriate precautionary use, storage and disposal information is set forth on that label. It is a violation of federal law to use an EPA registered pesticide product in any manner inconsistent with its labeling.

SECTION 1: IDENTIFICATION

Product Name: Quali-Pro Oxadiazon SC
EPA Registration No.: 53883-364
Recommended Use: Herbicide; See product label for a complete list of uses and use sites.
Restrictions on Use: See product label for any restrictions on the use of this product.
Chemical Family: Oxadiazole
Chemical Name of Active Ingredient(s): Oxadiazon
Manufactured for: Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507

FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT: CHEMTREC 1-800-424-9300

FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT: Safety Call 1-866-897-8050

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW: Off-white to creamy beige liquid with no odor. Causes severe eye irritation with potential for non-reversible damage.

OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

Eye Damage/Irritation	Category 1
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Signal Word: DANGER



Hazard Statement(s): Causes serious eye damage.

Precautionary Statement(s):

Prevention: Wear eye protection/face protection.

Response: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center/doctor.

Storage: No statement required. See section 7 for storage information.

Disposal: No statement required. See section 13 for disposal information.

*Please see Section 15 for an explanation of the difference between this SDS and the product label.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Oxadiazon	19666-30-9	34.4%
Polyethylene glycol octylphenyl ether	9036-19-5	3.0 – 4.0%

*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

SECTION 4: FIRST AID MEASURES

IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF ON SKIN:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF INGESTED:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed: Severe eye irritation with potential for long-term damage.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, dry chemical, carbon dioxide or water spray
Unsuitable Extinguishing Media:	Water jet
Hazardous Combustion Products:	Burning may produce hydrogen chloride, oxides of nitrogen and carbon.
Special Protective Equipment & Precautions:	Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear).
Unusual Fire & Explosion Hazards:	None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	See Section 8 for personal protection equipment.
Environmental Precautions:	Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.
Methods for Containment:	Isolate the spill area. Keep unnecessary and unprotected personnel from entering and eliminate sources of heat, sparks or flames. Absorb small spills with sand, vermiculite or other inert absorbent. Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as

	much free liquid as possible for reuse. Allow absorbed material to solidify and scrape up for disposal.
Methods for Clean-up:	Place contaminated material in appropriate container for disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not put spilled material back in the original container.
Other Information:	None known

SECTION 7: HANDLING AND STORAGE

Handling:	RECOMMENDATIONS ARE INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Handle and open container in a manner as to prevent spillage. Do not eat, drink or smoke while handling this product. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes.
Storage:	See pesticide label for full information on product storage. Do not contaminate water, food or feed by storage of this product. Store away from sources of heat, out of direct sunlight and away from incompatible materials. Pesticides should be stored in secured areas away from children and animals.
Storage Temperature (Min/Max):	Not determined
Product Incompatibilities:	Strong acids, strong bases, strong oxidizers and mineral acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Users of a pesticide product must refer to the product label for personal protective equipment requirements.

Exposure Guidelines:

COMPONENT	OSHA PEL	ACGIH TLV	NIOSH REL
No components listed			

Engineering Controls:	Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.
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THE PERSONAL PROTECTIVE EQUIPMENT BELOW IS REQUIRED FOR PRODUCT APPLICATORS, END USERS, AND HANDLERS AND COMES FROM THE FIFRA APPROVED PESTICIDE LABEL:

Mixers, loaders, applicators, and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, and waterproof gloves. In addition, mixers and loaders must wear a chemical-resistant apron.

Respiratory Protection:	In areas of poor ventilation, use a NIOSH approved respirator with cartridges/canisters approved for pesticides.
Eye Protection:	Chemical goggles or safety glasses and full-face shield.
Protective Gloves:	Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.
Other Protective Clothing:	Long-sleeved shirt, long pants and shoes plus socks.

General Safety Measures: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white to creamy beige liquid	Upper/Lower Flammability Limits:	Not determined
Odor:	None	Vapor Pressure:	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH (1% dispersion):	4.64	Relative Density (@24°C):	1.094 (typical)
Melting /Freezing Point:	Not determined	Solubility:	Not determined
Boiling Point/Range:	Not determined	Partition Coefficient:	Not determined
Flash Point:	>230°F (>110°C)	Auto-ignition Temperature:	Not determined
Evaporation Rate:	Not determined	Decomposition Temperature:	Not determined
Flammability:	Not applicable	Viscosity:	Not determined

*As an end-use mixture, many of the listed physical and chemical properties are not determined as they primarily apply to pure chemical substances.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No hazardous chemical reactions known.
Chemical Stability:	Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions:	No potential for hazardous reactions known.
Conditions to Avoid:	Avoid temperatures above 105°F and below 40°F.
Incompatible Materials:	Strong acids, strong bases, strong oxidizers and mineral acids.
Hazardous Decomposition Products:	May decompose to hydrogen chloride, and oxides of carbon and nitrogen in fire conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eye contact, Skin contact, Inhalation, Ingestion
Symptoms of Exposure:	Severe eye irritation (eye contact)
Oral LD₅₀:	4,448 mg/kg (rat); Estimated based upon component data.
Dermal LD₅₀:	3,802 mg/kg (rat); Estimated based upon component data.
Inhalation LC₅₀:	>5.0 mg/L (4-hour)(rat); Estimated based upon component data.
Eye Irritation/Damage:	Severe irritation (rabbit); Estimated based upon component data.
Skin Corrosion/Irritation:	No irritation (rabbit); Estimated based upon component data.
Skin Sensitization:	Non-sensitizer; Estimated based upon component data.

Chronic/Subchronic Toxicity: Based on a 90-day chronic oral toxicity study in rats, Oxadiazon was found to have a NOAEL of 25 mg/kg/day and a LOAEL of 100 mg/kg/day based on decreased body weight, increased liver weight, hematological changes and clinical chemistry and pathological changes associated with liver damage.

Mutagenicity:	No evidence of mutagenicity in a battery of studies.
Reproductive Toxicity:	Based on a reproduction and fertility effects study in rats: <u>Parental/Systemic</u> NOAEL \geq 15.5 mg/kg/day; LOAEL > 15.5 mg/kg/day (decreased gestational weight gain in range finding study at 38 mg/kg/day) <u>Reproductive</u> NOAEL \geq 15.5 mg/kg/day; LOAEL > 15.5 mg/kg/day (inactive mammary tissue, fetal/neonatal mortality in the range finding study at 38 mg/kg/day) <u>Offspring</u> NOAEL \geq 15.5 mg/kg/day; LOAEL > 15.5 mg/kg/day (fetal/neonatal mortality in the range finding study at 38 mg/kg/day)
Neurotoxicity:	No data available
Target Organs:	No data available
Aspiration Hazard:	Not anticipated to be an aspiration hazard.
Carcinogenicity:	No data available

Chemical Name	ACGIH	IARC	NTP	OSHA
No components listed				

SECTION 12: ECOLOGICAL INFORMATION

Environmental Hazards Statement from FIFRA Regulated Pesticide Label:

Quali-Pro® Oxadiazon SC Herbicide should not be used in areas where irrigation or rainfall results in the direct or indirect (via ditches and canals) contamination of surface waters through dissolved runoff or erosion of soil particles to which oxadiazon is absorbed.

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This pesticide is toxic to oysters and shrimp.

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having high potential for reaching surface water via runoff for several months or more after application.

A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of oxadiazon from runoff water and sediment.

NON-TARGET ORGANISM ADVISORY: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

ECOTOXICITY DATA:

Data below is presented on the oxadiazon technical material.

Fish Toxicity:

Rainbow Trout 96 hr LC₅₀ = 1.2 mg a.i./L

Sheepshead minnow 96 hr LC₅₀ = 1.5 mg a.i./L

Aquatic Invertebrate Toxicity:

Daphnia magna 48 hr LC₅₀ = >2.4 mg a.i./L

Mysid shrimp 96 hr LC₅₀ = 0.27 mg a.i./L

Aquatic Plant Toxicity:

Duckweed (*Lemna gibba*) 7 day EC₅₀ = 41

Avian Toxicity:

Bobwhite quail (*Colinus virginianus*) 14 day LD₅₀ = >2,150 mg a.i./kg bw

Canary (*Serinus canaria*) 14 day LD₅₀ = >2000 mg a.i./kg bw

Honeybee Toxicity:

Honey bee (*Apis mellifera* L.) adult contact 48 hr LD₅₀ = >100 µg a.i./bee

Honey bee (*Apis mellifera* L.) adult oral LD₅₀ = >111 µg a.i./bee

ENVIRONMENTAL EFFECTS:**Persistence and Degradability:**

No data available

Bioaccumulation:

Octanol-water partition coefficient: log K_{ow} = 4.91; Based on K_{ow} alone oxadiazon is likely to bioconcentrate significantly.

Mobility:

No data available

Other Adverse Effects:

No data available

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Disposal:**

Refer to the pesticide label for full information on disposal. Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Disposal:

Refer to the pesticide label for full information on disposal. When possible, triple rinse the container and offer for recycling if available.

RCRA Characteristics:

It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

SECTION 14: TRANSPORTATION INFORMATION**DOT****(Ground):**

Not regulated

IMDG**(Sea):**

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Oxadiazon), 9, PGIII, Marine Pollutant

IATA**(Air):**

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Oxadiazon), 9, PGIII

SECTION 15: REGULATORY INFORMATION

Labeling Requirements Under FIFRA: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Difference between SDS and Pesticide Label

	EPA LABEL	OSHA SDS
Signal Word	CAUTION	DANGER
Eye Damage/Irritation	Causes moderate eye irritation	Causes serious eye damage
Acute Oral Toxicity	Harmful if swallowed	Not classified
Acute Dermal Toxicity	Harmful if absorbed through the skin	Not classified

TSCA Inventory: This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

SARA Title III Information:

Section 302 – Extremely hazardous substances: None

Section 311/312 – Hazard Categories: Acute (Immediate)

Section 313 – This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS Number	Weight %
Oxadiazon	19666-30-9	34.4%

CERCLA – This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Chemical Name	CAS Number	RQ	Quantity of Finished Product
None listed			

CALIFORNIA PROPOSITION 65:

Chemical Name	CAS Number	Prop 65 Category(ies)
Oxadiazon	19666-30-9	Carcinogen

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 1	Instability 0	Special Hazards – None
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