

Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS: Petra Tools, 411 N East St Carlisle Pa 17013
MANUFACTURER ADDRESS: JKDS Solutions, 220 S Second St Dillsburg Pa 17019
EMERGENCY TELEPHONE NUMBERS (800) 424-9300 (CHEMTREC, transportation and spills)

PRODUCT NAME : **Crop Defender**
PRODUCT USE : Vegetation/Plant Spray

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

Off-white/Light Brown Liquid

HEALTH HAZARDS: May be harmful if swallowed, absorbed through skin, or inhaled. Mildly irritating to the eyes and skin.

PHYSICAL HAZARDS: Can be corrosive on soft metals with long time exposure.

ENVIRONMENTAL HAZARDS: Non toxic when applied by label directions.



SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENTAGE	CAS NUMBER
Soybean Oil	30.0%	CAS 8001-22-7
Corn Oil	5.0%	CAS 8001-30-7
Sodium Lauryl Sulfate	3.0%	CAS 151-21-3
Peppermint Oil	0.5%	CAS 8006-90-4
Inert Ingredients	61..5%	

SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to product.

IF SWALLOWED: 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Rinse skin immediately with plenty of water for 5-10 minutes. Call a poison control center or doctor for treatment advice if symptoms occur.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 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 symptoms occur.

IF INHALED: Move person to fresh air. Call a poison control center or doctor for further treatment advice if symptoms occur.

Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

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NOTE TO PHYSICIAN: No specific risk outlined, treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

National Fire Protection Rating (NFPA)

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

FLASHPOINT: Similar to Water

EXTINGUISHING MEDIA: N/A

FIRE AND EXPLOSION HAZARD: N/A

FIRE FIGHTING INSTRUCTIONS: N/A

FIRE FIGHTING EQUIPMENT: N/A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate spill area for cleanup.

SMALL SPILL: Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

LARGE SPILL: Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

HANDLING: Use gloves, and eye protection when working with all liquids.

STORAGE: Keep container closed when not in use. Keep away from food, feed and drinking water. Store in a well-ventilated dry place away from heat. Store above 32 F.

Wear proper safety equipment specified in Section 8 when mixing, loading or otherwise handling concentrate.

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SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS (8 hour TWA, ppm): N/A

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION - Safety goggles or glasses with side shields.

CLOTHING – N/A

GLOVES – Rubber suggested

RESPIRATOR – Not required when handled under normal conditions.

USER SAFETY RECOMMENDATIONS:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white opaque/Light Brown liquid
Odor:	Little to no odor
pH:	6.0 – 8.5
Melting Point:	Not applicable
Boiling Point:	No data
Flash Point:	>100°C
Evaporation Rate:	No data
Flammability:	Not flammable
Flammability Limits:	Not applicable
Vapor Pressure:	Similar to Water
Vapor Density:	Not applicable
Density:	8.34Lbs/Gal
Solubility:	No data
Partition Coefficient:	No data
Auto-Ignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	Similar to Water

*Listed density is an approximate value and does not necessarily represent that of a specific batch.

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY: Non-reactive

CHEMICAL STABILITY: Stable under normal conditions.

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization

CONDITIONS TO AVOID: Avoid temperatures above 100°F (38°C) for prolonged period of time.

INCOMPATIBLE MATERIALS: Soft metals may be affected over time with prolonged use.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

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SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity data from similar formulation

ACUTE TOXICITY:

Oral LD ₅₀ (rat)	N/A
Dermal LD ₅₀ (rat)	N/A
Inhalation LC ₅₀ (rat)	N/A
Eye Irritation (rabbit)	N/A
Skin Irritation (rabbit)	N/A
Sensitization (guinea pig)	N/A

CARCINOGEN STATUS:

OSHA	- Not listed
NTP	- Not listed
IARC	- Not listed

TERATOGENICITY: No reproductive or teratogenic (birth defect) effects at normal exposure levels.

MUTAGENICITY: Little or no evidence of mutagenic effects during in vivo or in vitro studies.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: None toxic, wastewater friendly when applied as directed.

FISH TOXICITY: N/A

AVIAN TOXICITY: N/A

BEE TOXICITY: N/A

SECTION 13 - DISPOSAL CONSIDERATIONS

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

WASTE: Dispose of in accordance with applicable Federal, state and local laws and regulations.

CONTAINER: Non-refillable containers: Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Refer to the container label to determine if it is refillable and for complete cleaning and disposal instructions.

SECTION 14 - TRANSPORT INFORMATION

SHIPPING DESCRIPTION:	Not regulated by DOT for ground transport
TRANSPORT HAZARD CLASS:	N/A
UN NUMBER:	N/A
DOT PACKING GROUP:	N/A

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SECTION 15 - REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY: Not listed

SARA TITLE III STATUS: N/A

CALIFORNIA PROP 65: Not listed

TSCA: N/A

SECTION 16 - OTHER INFORMATION

HMIS HAZARD RATINGS	HEALTH	0
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

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This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

REVISED DATE: August, 2020

REFERENCE: Revised.