



## Safety Data Sheet

Report  
Date 31-Mar-20

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### 1. Identification

**Product Name** : OMNI BRAND PARAQUAT  
**Synonyms** : None  
**Product Use** : Defoliant/desiccant herbicide and harvest aid  
**Manufacturer/Supplier** : Helena Agri-Enterprises, LLC  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

### 2. Hazard Identification



**Signal Word** : Danger  
**Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Oral** : LD50 (female rat) 283 mg/kg  
**Acute Toxicity Dermal** : LD50 (rat) >2,000 mg/kg  
**Hazard Categories** : Oral/Dermal/Inhalation Toxicity-3/4/1  
**Hazard Statement** : Toxic if swallowed  
Harmful in contact with skin  
Fatal if inhaled

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Paraquat Dichloride	1910-42-5	43.2
Formulation components	Proprietary	56.8



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### 4. First Aid Measures

- Eye** : 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.
- 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.
- Inhalation** : Move person to fresh air. The odor of this product is from the stanching agent, which has been added, and is not from the paraquat. If person is not breathing, call 911 or an ambulance. Call a poison control center or doctor for treatment advice.
- Ingestion** : Immediate medical attention is required. If available, give an absorbent such as activated charcoal, bentonite or Fuller's earth. Have person sip a glass of water if able to swallow. Do not induce vomiting unless a medical professional requests.
- Indication of Immediate Medical Attention and Special Treatment Needed** : Administer either activated charcoal (100g in adults or 2g/kg in children) or Fuller's Earth (15% solution at 1L in adults or 15ml/kg body weight in children). NOTE: The use of gastric lavage without administration of an absorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated liquid should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat; however, contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.

### 5. Fire Fighting Measures

- Extinguishing Media** : Use carbon dioxide, dry chemical or foam extinguishing agents.
- Specific Hazards Arising from the Chemical** : During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Keep out of smoke. Fight fire from upwind position. Evacuate personnel to safe areas. Cool closed containers with water spray. Do not allow runoff to enter drains or water courses.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Remove all sources of ignition. Wear suitable protective clothing.
- Protective Equipment** : NIOSH-approved TC-84A particulate respirator with N,R, or P class filter media. Splashproof goggles, chemical-resistant gloves, long-sleeved shirt, long pants. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Do not allow to enter soil, waterways or waste water canals. Do not allow product to contact vegetation. Untreated spilled material can dry to a highly irritating dust.



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**Methods and Materials for Containment and Cleanup** : Control the spill at its source. Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder). Collect and transfer the product into a properly labeled and tightly closed container. Clean contaminated floors and objects thoroughly with detergent (e.g., Tide, Spic and Span, etc.) observing environmental regulations. Contaminated soil may have to be removed and disposed.

### 7. Handling and Storage

**Precautions for Safe Handling** : Handle and open container in a manner to prevent spillage. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove personal protective equipment immediately after handling this product. Before removing gloves, clean them with soap and water. Remove soiled clothing immediately and wash thoroughly with soap and water, then put on clean clothing. Clean soiled clothing thoroughly before reusing.

**Conditions for Safe Storage** : Do not mix or store in containers, spray tanks, nurse tanks or such systems made of aluminum or having aluminum fittings. The product is compatible with high density polyethylene and rubber-lined steel containers. Store in a cool, dry and well-ventilated place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store out of direct sunlight. Store in original container and out of the reach of children, preferably in a locked storage area.

### 8. Exposure Controls / Personal Protection

**TLV/PEL** : Paraquat Dichloride: PEL=0.5 mg/kg TWA (respirable dust); TLV=0.1 mg/m3 (respirable).

**Appropriate Engineering Controls** : Maintain exposure levels below noted limits through the use of general and local exhaust ventilation.

**Personal Protective Equipment** : NIOSH-approved TC-84A particulate respirator with N,R, or P class filter media. Splashproof goggles, chemical-resistant gloves, long-sleeved shirt, long pants. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

**Odor/Appearance** : Dark brown liquid; strong, pungent odor.

**Flash Point, °F** : >100 Degrees C.

**Boiling Point, °F** : No information given

**Melting Point(Freezing point), °C** : No information given

**Vapor Pressure, mm Hg @ 20 °C** : No information given

**Vapor Density** : No information given

**Solubility in Water** : Miscible

**Molecular Formula** : Not applicable, formulated mixture.

**Density, g/mL @ 25 °C** : 1.15 @20 Deg. C.

**Evaporation Rate(Butyl Acetate = 1)** : No information given



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Octanol/Water Partition Coefficient : No information given  
pH : 4-6 (neat)  
Flammable Limits (approximate volume % in air) : No information given  
Auto-ignition Temperature : >625 Degrees C. (>1157 Deg. F)  
Decomposition temperature : No information given

### 10. Stability and Reactivity

Reactivity : No information given  
Chemical Stability : Stable  
Hazardous Decomposition Products : Carbon dioxide, carbon monoxide, chlorine, hydrogen chloride, possible trace amounts of phosgene, nitrogen oxides, ammonia, other toxic/noxious fumes.  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : Extremes of temperature and direct sunlight; freezing; 10% potassium permanganate solution or iron powder.  
Incompatible Materials : Mildly corrosive to aluminum and produces hydrogen gas which may form a highly combustible gas mixture.

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : 283 mg/kg (female rat). Toxic if swallowed.  
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rat). Harmful in contact with skin.  
Acute Toxicity Inhalation LC50 : 0.0006 mg/L/4 hour (rat). Fatal if inhaled.  
Likely Routes of Exposure : Inhalation, ingestion, skin absorption  
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012).  
Eye Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012).  
Skin Sensitization : Not a contact sensitizer.  
Carcinogenic : No evidence in rat or mouse studies.  
Chronic Effects : 2.5 yr. chronic study, rats showed evidence of cataracts, body weight reduction, lung effects. 90 day dog diet study showed evidence of lung effects leading to alveolar collapse/death @ 3 mg/kg/day. Chronic pneumonitis in 1 yr. dog study @ 0.93 mg/kg/day.  
Other Hazards : CA PROPOSITION 65 WARNING: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

### 12. Ecological Information

Ecotoxicity : This product is toxic to wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.  
Persistence and Degradability : No information available  
Bioaccumulative Potential : No information available



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**Mobility in Soil** : No information available  
**Other Adverse Effects** : Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

### 13. Disposal Considerations

**Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

**UN Proper Shipping Name** : Corrosive Liquid, Toxic, n.o.s., (Paraquat Dichloride)  
**Transport Hazard Class** : Corrosive (8)  
**UN Identification Number** : UN2922  
**Packaging Group** : PG III  
**Environmental Hazards** : CERCLA Section 304 Reportable Quantity (RQ)=10 lbs (2.4 Gallons). RQ is not required for shipping papers.  
**Transport in Bulk** : No special requirements  
**Special Precautions for Transportation** : Do not ship by air.  
**Freight Classification** : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

### 15. Regulatory Information

**National Fire Protection Association Rating** :

Health: 4 Fire: 0 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**S.A.R.A Title III Hazard Classification (Yes/No)** :

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: Y  
Sudden Release of N  
Pressure:  
Fire: N  
Reactive: N

**FIFRA Information** : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling 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:

**EPA Registration Number** : 5905-637

**FIFRA Signal Word** : Danger

**FIFRA Label Statement** : Restricted Use Pesticide - To be used by certified applicator only.



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**FIFRA Label Statement** : NOT to be used by uncertified applicators working under the supervision of a certified applicator.  
**FIFRA Label Statement** : May be fatal if swallowed. Fatal if inhaled. Causes substantial but temporary eye injury.  
**FIFRA Label Statement** : Harmful if absorbed through skin. Do not breathe spray mist. Do not get in eyes or on clothing.  
**FIFRA Label Statement** : Avoid contact with skin. Wash thoroughly with soap and water after handling and before  
**FIFRA Label Statement** : eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash  
**FIFRA Label Statement** : contaminated clothing before reuse.

### 16. Other Information

Data of Preparation/Revision : 31-March-2020