



Safety Data Sheet

Report Date 17-Apr-17

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1. Identification

Product Name : OMNI BRAND CHLOROTHALONIL 720 SC
Synonyms : None
Product Use : Chlorothalonil Fungicide
Manufacturer/Supplier : Helena Chemical Company
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 2,000 mg/kg (rat)
Acute Toxicity Dermal : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Hazard Categories : Oral/Inhalation Tox-4/3; Eye/Skin Irr-2B/3; Skin Sensitizer-1B; STOT-Single Exposure-3; Carcinogen-2
Hazard Statement : Harmful if swallowed
Causes eye irritation
Causes mild skin irritation
Toxic if inhaled
May cause an allergic skin reaction
May cause respiratory irritation
Suspected of causing cancer

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Chlorothalonil (tetrachloroisophthalonitrile)	1897-45-6	53.27
Other ingredients	Proprietary	46.73



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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 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. 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.
- Ingestion** : Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. 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.
- Indication of Immediate Medical Attention and Special Treatment Needed** : There is no specific antidote if this product is ingested. Treat symptomatically. Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, foam or carbon dioxide extinguishing media. If water is used to fight fire, dike and collect runoff.
- Specific Hazards Arising from the Chemical** : 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. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes, or products of combustion.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with any N, R, P or HE filter. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Control the spill at its source. Contain the spill to prevent spreading or contaminating soil or from entering sewage or drainage systems or any body of water.
- Methods and Materials for Containment and Cleanup** : Cover entire spill with absorbent material, then collect and place in compatible disposal containers. Scrub area with hard water detergent (e.g., Tide). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. Handling and Storage



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Precautions for Safe Handling : Keep out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for Safe Storage : Store locked up. Store in a well-ventilated area.

8. Exposure Controls / Personal Protection

TLV/PEL : Silica, amorphous: PEL=80 mg/m³ per % SiO₂.

Appropriate Engineering Controls : Use effective engineering controls to comply with occupational exposure limits, if applicable.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : White opaque liquid; mild odor.

Flash Point, °F : Not applicable

Boiling Point, °F : Not known for mixture

Melting Point(Freezing point), °C : Not known for mixture

Vapor Pressure, mm Hg @ 20 °C : 0.00000057 mmHg @ 77 Deg F.

Vapor Density : Not known for mixture

Solubility in Water : 0.81 mg/L @ 77 Deg F.

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.25-1.40

Evaporation Rate(Butyl Acetate = 1) : Not known for mixture

Octanol/Water Partition Coefficient : Not available

pH : 6.0-7.0 (pure)

Flammable Limits (approximate volume % in air) : Not available

Auto-ignition Temperature : Not applicable

Decomposition temperature : Not known for mixture

10. Stability and Reactivity

Reactivity : Not reactive

Chemical Stability : Stable

Hazardous Decomposition Products : None known

Hazardous Polymerization : Will not occur



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Conditions to Avoid : None known
Incompatible Materials : None known

11. Toxicological Information

Acute Toxicity (Oral LD50) : 2,000 mg/kg (rat). Harmful if swallowed.
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity Inhalation LC50 : >1.175 mg/L/4 hour exposure. Toxic if inhaled.
Likely Routes of Exposure : Inhalation, ingestion, skin contact
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 : Product is a skin sensitizer. May cause an allergic skin reaction.
Carcinogenic : IARC identifies chlorothalonil as a 2B carcinogen (possibly carcinogenic to humans).
Chronic Effects : Chlorothalonil: In dogs, 1 year administration caused significant decrease in body weight gain and increase in absolute liver and kidney weights.
Other Hazards : Specific Target Organ Toxicity-Single Exposure: May cause respiratory irritation.

12. Ecological Information

Ecotoxicity : Chlorothalonil: Green Algae 5-day EC50=190 ppb; Bird (Mallard duck) LD50 Oral>4,640 mg/kg; Invertebrate (water flea) 48-hour EC50=70 ppb; Fish (rainbow trout) 96-hour LC50=47 ppb.
Persistence and Degradability : Chlorothalonil: not persistent in soil or water.
Bioaccumulative Potential : Chlorothalonil: Low bioaccumulation potential.
Mobility in Soil : Chlorothalonil: Low mobility in soil. Sinks in water (after 24 hours).
Other Adverse Effects : None known.

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 : Not regulated for ground (DOT) transport in non-bulk packages. Regulated if shipped by air (IATA) or water (IMDG).
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : Chlorothalonil is a Marine Pollutant per Appendix B to 49 CFR 172.101.



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Transport in Bulk : If shipped by ground (DOT) in bulk, ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Chlorothalonil), 9, PG III, Marine Pollutant "ERG # 171"
Special Precautions for Transportation : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Chlorothalonil), 9, PG III, Marine Pollutant
Freight Classification : Pesticides, NOI, Fungicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 1 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 : 5905-602

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Harmful if inhaled. Harmful if swallowed.

FIFRA Label Statement : Causes moderate eye irritation. Avoid breathing spray mist.

FIFRA Label Statement : Remove and wash contaminated clothing before reuse.

FIFRA Label Statement : Wash thoroughly with soap and water after handling and before eating,

FIFRA Label Statement : drinking, chewing gum, using tobacco or using the toilet. Avoid contact with eyes or clothing.

FIFRA Label Statement : Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves.

16. Other Information

Data of Preparation/Revision : 17-April-2017