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Material Safety Data Sheet

United States

The Ortho Group
P.O. Box 190
Marysville, Ohio 43040
United States

24 h. EMERGENCY TELEPHONE NUMBER
CHEMTREC (U.S.) 1-800-424-9300
CHEMTREC (International) 1-703-527-3887
Non-Emergency Calls 1-937-644-0011

ORTHO HOME DEFENSE MAX WASP & HORNET KILLER

1. Product and company identification

SKU # : 019571005, 019764015
EPA Registration Number: : 1021-1775-239
MSDS # : 320000000343

2. Hazards identification

OSHA/HCS status : This material is/or contains a chemical that is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview : CAUTION!
Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Avoid breathing dust, vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Potential chronic health effects

Chronic effects : Contains material that can cause target organ damage.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.
Target organs : Contains material which causes damage to the following organs: central nervous system (CNS)

Over-exposure signs/symptoms

Inhalation : No specific data.
Ingestion : No specific data.
Skin : No specific data.
Eyes : No specific data.
Medical conditions aggravated by over-exposure : Pre-existing skin disorders may be aggravated by over-exposure to this product.
Interactions with other Chemicals : Not available.
See toxicological information (section 11)

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Propane, 2-methyl-	75-28-5	5 - 10
propane	74-98-6	3 - 5

4. First aid measures

- Eye contact** : 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 contact** : 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. 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. Never give anything by mouth to an unconscious person.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

5. Fire-fighting measures

- Flammability of the product** : No specific fire or explosion hazard.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Do not contaminate water when disposing of equipment washwaters.
- Methods for cleaning up** : Vacuum or sweep up material and place in container for disposal. Never place down drain.

7. Handling and storage

- Handling** : Avoid inhalation or contact with skin, eyes or clothing. Avoid container breakage. Do not contaminate water sources when disposing of equipment washwater or rinsate. Keep out of lakes, stream or ponds. Keep out of reach of children.
- Storage** : Store in original container in a cool, dry, well-ventilated area inaccessible to children and pets. Do not contaminate food or feedstuffs.

8. Exposure controls/personal protection

Product name **Exposure limits**

Propane, 2-methyl-

NIOSH REL (1994-06-01) Time Weighted Average (TWA)
1,900 mg/m³ , 800 ppm

propane

OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure
Level 1,800 mg/m³ , 1,000 ppm
OSHA PEL (1993-06-30) PEL: Permissible Exposure Level
1,800 mg/m³ , 1,000 ppm
NIOSH REL (1994-06-01) Time Weighted Average (TWA)
1,800 mg/m³ , 1,000 ppm

Consult local authorities for acceptable exposure limits.

Engineering measures : Use adequate ventilation to keep the airborne concentrations below the recommended exposure standard.

Hygiene measures : Wash thoroughly with soap and water after handling. Remove and launder contaminated clothing before reuse.

Personal protection

Respiratory : No special respiratory protection required. If ventilation is inadequate to keep the airborne concentrations below the recommended exposure standard wear appropriate respiration protection.

Hands : Protective gloves are not required, but may be used in situations where significant contact is expected.

Eyes : Protective eyewear is not required, but may be used in situations where contact is expected.

Skin : Wear long-sleeved shirt, long pants, shoes with socks. Remove and wash contaminated clothing before reuse.

9. Physical and chemical properties

Physical state	: Not available.
Color	: Not available.
Flash point	: Not available.
Auto-ignition temperature	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
pH	: not applicable
Boiling/condensation point	: Not available.
Melting/freezing point	: Not available.
Critical temperature	: Not available.
Density	: Not available.
Vapor pressure	: Not available.
Vapor density	: 78 [Air = 1]
Evaporation rate	: Not available.
Viscosity	: Not available.
Solubility	: Not available.
Partition Coefficient (n-octanol)	: Not available.
Decomposition temperature	: Not available.

10. Stability and reactivity

Chemical stability	: The product is stable.
Conditions to avoid	: No specific data.
Materials to avoid	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.

11. Toxicological information

Acute toxicity

Conclusion/Summary Not available.

Irritation/Corrosion

Skin Not available.
Eyes Not available.
Respiratory Not available.

Sensitizer

Conclusion/Summary	Skin	Not available.
	Respiratory	Not available.

Chronic toxicity

Conclusion/Summary Not available.

Carcinogenicity

Conclusion/Summary Not available.

Mutagenicity

Conclusion/Summary Not available.

Teratogenicity

Conclusion/Summary Not available.

Reproductive toxicity

Conclusion/Summary Not available.

12. Ecological information

Ecotoxicity This pesticide is toxic to fish and aquatic invertebrates

Aquatic ecotoxicity

Conclusion/Summary Not available.

Persistence/degradability

Conclusion/Summary Not available.

13. Disposal considerations

Waste disposal Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport information

Regulatory

<u>information</u>	<u>UN no.</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>PG*</u>	<u>Note</u>
DOT	1950	Not Regulated	2.2	(.)	
IATA (C)	1950	Aerosols, non-flammable, containing substances in Class 8, Packing Group III	2.2	(.)	
IATA (P)	1950	Aerosols, non-flammable, containing substances in Class 8, Packing Group III	2.2	(.)	
IMDG	1950	AEROSOLS	2.2	(.)	
TDG	1950	AEROSOLS non-flammable	2.2	(.)	

PG* : Packing group

15. Regulatory information

United States :

U.S. Federal regulations

California Prop. 65 : Not listed.

United States inventory (TSCA 8b) : All components are listed or exempted.

Canada inventory : At least one component is not listed.

16. Other information

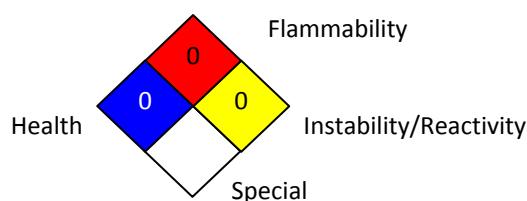
Hazardous Material Information System (U.S.A.) :

Health	2
Flammability	0
Physical hazards	1

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The customer is responsible for determining the PPE code for this material.

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Notice to reader

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