


Betco

Indoor/Outdoor Insecticide




Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

| | | |
|---|---|----------------------------------|
|  | CLASS D-2B: Material causing other toxic effects (TOXIC). | HCS Class: Irritating substance. |
| WHMIS (Pictograms) | WHMIS (Classification) | HCS |

Section 1. Chemical Product and Company Identification

| | | | |
|--------------------------|--|--|-------------------------|
| Product Name/ Trade name | Indoor/Outdoor Insecticide | Code | 020 |
| Synonym | Indoor/ Outdoor Insecticide | CAS # | Mixture. |
| Chemical Family | Not available. | Validation Date | 3/20/2004 |
| Chemical Formula | Not applicable. | Print Date | 3/27/2004 |
| Manufacturer/ Supplier | Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156 | In Case of Emergency | Chemtrec (800) 424-9300 |
| TSCA | TSCA Inventory: All components listed or are exempt from listing. | | |
| DSL/ NDSL | All components listed unless noted elsewhere on this MSDS | | |
| | | Protective Clothing  | |

Section 2. Composition and Information on Ingredients

| Name | CAS # | % by Weight | Exposure Limits | LC ₅₀ /LD ₅₀ |
|-------------------------------------|------------|-------------|--|------------------------------------|
| 1) Liquified Petroleum Gas | 68476-85-7 | 25-30 | TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States] | Not available. |
| 2) Perfume Oil | N/A | 0-5 | Not available. | Not available. |
| 3) Resmethrin and Related Compounds | 10453-86-8 | 0.25 | Not available. | Not available. |
| 4) Ethoxylated Sorbitan Mono-Oleate | 9005-65-6 | 0-5 | Not available. | Not available. |

Section 3. Hazards Identification

| | |
|----------------------------------|---|
| Potential Acute Health Effects | No specific information is available in our database regarding the acute toxic effects of this material for humans. |
| Potential Chronic Health Effects | Over-exposure by inhalation may cause respiratory irritation. Severe over-exposure can result in death. |
| Carcinogenic Effects | Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. |

Section 4. First Aid Measures

| | |
|--------------|---|
| Eye Contact | Hold eye open and rinse slowly and thoroughly 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 further treatment advice. Call a poison control center or doctor for further treatment advice. |
| Skin Contact | Remove contaminated clothing and shoes. Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further 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 immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

Section 5. Fire Fighting Measures

Products of Combustion Not available.

Fire Fighting Media and Instructions Use dry chemical or CO₂.

Special Remarks on Fire Hazards Not available.

Special Remarks on Explosion Hazards Not available.

Section 6. Accidental Release Measures

Small Spill and Leak Safety glasses recommended

Large Spill and Leak Absorb with DRY earth, sand or other non-combustible material.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage

Precautions Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas, fumes, vapor or spray.

Incompatibility No incompatible product according to our data base.

Storage Store and use away from heat, sparks, open flame, or any other ignition source. Keep out of the reach of children. Not for use or storage in or around the home.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

Personal Protection

Eyes Safety glasses.

Body Lab coat.

Respiratory No additional special protective clothing is required.

Hands Not applicable.

Protective Clothing (Pictograms)**Exposure Limits****Liquified Petroleum Gas**

TWA: 1000 (ppm)

TWA: 1000 (ppm) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

| | | | |
|---|---|-------|----------------|
| Physical State and Appearance | Liquid. | Odor | Cherry |
| Molecular Weight | Not applicable. | Taste | Not available. |
| pH | 6.5 to 7.5 [Neutral.] | Color | White. |
| Boiling/Condensation Point | Not available. | | |
| Melting/Freezing Point | Not available. | | |
| Critical Temperature | Not available. | | |
| Instability Temperature | Not available. | | |
| Specific Gravity | Not available. | | |
| Vapor Pressure | 50 psig @ 68 F | | |
| Vapor Density | >1 (Air = 1) | | |
| Volatility | 95 | | |
| VOC | Not available. | | |
| Evaporation Rate | >1 | | |
| | | | |
| | | | |
| | | | |
| Dispersion Properties | Not available. | | |
| Solubility | Not available. | | |
| The Product is: | May be combustible at high temperature. | | |
| Auto-ignition Temperature | Not available. | | |
| Flash Points | Not available. | | |
| Flammable Limits | LOWER: 1.8% UPPER: 8.4% | | |
| Fire Hazards in Presence of Various Substances | Flammable in presence of open flames and sparks. | | |
| Explosion Hazards in Presence of Various Substances | Explosive in presence of open flames and sparks, of heat. | | |

Section 10. Stability and Reactivity Data

| | |
|---|---|
| Stability | The product is stable. |
| Incompatibility with Various Substances | No incompatible product according to our data base. |
| Hazardous Decomposition Products | Will not occur |

Section 11. Toxicological Information

| | |
|--|---|
| Routes of Entry | Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion. |
| Toxicity to Animals | LD50: Not available. LC50: Not available. |
| Acute Effects on Humans | <p><i>Eyes</i> Hazardous in case of eye contact (irritant).</p> <p><i>Skin</i> Harmful if absorbed through the skin.</p> <p><i>Inhalation</i> Irritant. May cause headache, dizziness.</p> <p><i>Ingestion</i> May cause gastrointestinal discomfort. Aspiration hazard if swallowed- can enter lungs and cause chemical pneumonitis.</p> |
| Chronic Effects on Humans | Over-exposure by inhalation may cause respiratory irritation. Severe over-exposure can result in death. |
| Special Remarks on Toxicity to Animals | No additional remark. |
| Special Remarks on Chronic Effects on Humans | No additional remark. |

Section 12. Ecological Information

| | |
|---|---|
| Ecotoxicity | Not available. |
| BOD5 and COD | Not available. |
| Products of Biodegradation | Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. |
| Toxicity of the Products of Biodegradation | Not available. |
| Special Remarks on the Products of Biodegradation | No additional remark. |

Section 13. Disposal Considerations

| | |
|-------------------|--|
| Waste Information | Waste must be disposed of in accordance with federal, state and local environmental control regulations. |
| Waste Stream | Not available. |

Section 14. Transport Information

DOT (U.S.A)
(Pictograms)



TDG Classification

Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG

Not applicable.

Maritime Transportation

Not available.

Special Provisions for
Transport

Not applicable.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) CLASS D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists No products were found.

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications

HCS (U.S.A.) HCS Class: Irritating substance.

USA Regulatory
Lists

SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Resmethrin and Related Compounds
SARA 313 toxic chemical notification and release reporting: Resmethrin and
Related Compounds

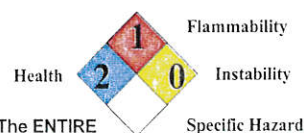
DSD (EEC) This product is not classified according to the EU regulations.

International
Regulations Lists No products were found.

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

| | |
|-----------------|---|
| Health | 2 |
| Flammability | 1 |
| Physical Hazard | 0 |

National Fire
Protection
Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by CRushton on 3/20/2004.

Verified by CRushton.

Printed 3/27/2004.

Information Contact Betco Corporation
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 3/20/2004.

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Page: 5/5

Continued on Next Page