






Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

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|   WHMIS (Pictograms) | WHMIS CLASS D-2: Material causing other toxic effects. WHMIS Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). WHMIS (Classification) | Class: Flammable liquid having a flash point lower than 37.8°C (100°F). HCS |
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Section 1. Chemical Product and Company Identification

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| Product Name/ Trade name Gym-Tack | Code 175 |
| Synonym Wood Floor Maintenance Cleaner | CAS # Mixture. |
| Chemical Family Not available. | Validation Date 3/22/2004 |
| 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. | Protective Clothing  |
| DSL/ NDSL All components listed unless noted elsewhere on this MSDS | |

Section 2. Composition and Information on Ingredients

| Name | CAS # | % by Weight | Exposure Limits | LC ₅₀ /LD ₅₀ |
|----------------------------|----------|-------------|--|--|
| 1) Isopropyl Alcohol | 67-63-0 | 5-10 | TWA: 400 (ppm) TWA: 400 (ppm) from OSHA (PEL) [United States] | ORAL (LD50): Acute: 16971 mg/kg [Rat]. |
| 2) 2-Butoxyethanol | 111-76-2 | 5-10 | STEL: 500 (ppm) TWA: 20 (ppm) from ACGIH (TLV) [United States] TWA: 50 (ppm) from OSHA (PEL) [United States] | ORAL (LD50): Acute: 1746 mg/kg [Rat]. |
| 3) Mixed Amphocarboxylates | N/A | 0-5 | Not available. | Not available. |

Section 3. Hazards Identification

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| Potential Acute Health Effects | Skin and eye irritant. May be fatal if swallowed. |
| Potential Chronic Health Effects | Over-exposure by inhalation may cause respiratory irritation. Repeated or prolonged exposure to the substance can produce blood disorders. Repeated or prolonged exposure to the substance can produce kidney damage. Repeated or prolonged exposure to the substance can produce liver damage. Repeated or prolonged exposure to the substance can produce nervous system damage. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum. |
| Carcinogenic Effects | Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. |

Section 4. First Aid Measures

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| Eye Contact | Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. |
| Skin Contact | After contact with skin, wash immediately with plenty of water. Seek medical attention. |
| Inhalation | Evacuate the victim to a safe area as soon as possible. Oxygen may be administered if breathing is difficult. Seek medical attention. |
| Ingestion | Call a poison control center immediately for treatment advice. NEVER give an unconscious person anything to ingest. |

Section 5. Fire Fighting Measures

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| Products of Combustion | Not Available |
| Fire Fighting Media and Instructions | Use DRY chemicals, CO2, water spray or foam. |
| Special Remarks on Fire Hazards | COMBUSTIBLE. |
| Special Remarks on Explosion Hazards | No additional remark. |


Section 6. Accidental Release Measures

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| Small Spill and Leak | Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. |
| Large Spill and Leak | Absorb with DRY earth, sand or other non-combustible material. |
| Personal Protection in Case of a Large Spill | Splash goggles. Gloves (impervious). Boots. |

Section 7. Handling and Storage

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| Precautions | Avoid contact with skin and eyes. DO NOT ingest. |
| Incompatibility | No incompatible product according to our data base. |
| Storage | Flammable materials should be stored in a separate safety storage cabinet or room. Keep out of reach of children. For Institutional and Commercial Use |

Section 8. Exposure Controls/Personal Protection

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| Engineering Controls | Good general ventilation should be sufficient to control airborne levels. |
| Personal Protection | |
| <i>Eyes</i> | Safety glasses. |
| <i>Body</i> | Long Pants and Long Sleeves to avoid skin contact. |
| <i>Respiratory</i> | Wear appropriate respirator when ventilation is inadequate. |
| <i>Hands</i> | Gloves (impervious). |
| Protective Clothing (Pictograms) |  |

Exposure Limits**Isopropyl Alcohol**

TWA: 400 (ppm)
 TWA: 400 (ppm) from OSHA (PEL)
 STEL: 500 (ppm)

2-Butoxyethanol

TWA: 25 (ppm)
 TWA: 50 (ppm) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

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| Physical State and Appearance | Liquid | Odor | Characteristic. |
| Molecular Weight | Not applicable. | Taste | Not available. |
| pH | 8.5 to 9 [Basic.] | Color | Blue. |
| Boiling/Condensation Point | 209°F initial | | |
| Melting/Freezing Point | Not available. | | |
| Critical Temperature | Not available. | | |
| Instability Temperature | Not available. | | |
| Specific Gravity | 0.98 (Water = 1) | | |
| Vapor Pressure | 25mm Hg @ 68°F | | |
| Vapor Density | >1 (Air = 1) | | |
| Volatility | 100 | | |
| VOC | Not available. | | |
| Evaporation Rate | Less than Butyl acetate. | | |
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| Dispersion Properties | not available | | |
| Solubility | Easily soluble in cold water. | | |
| The Product is: | Flammable. | | |
| Auto-ignition Temperature | Not available. | | |
| Flash Points | CLOSED CUP: 35°C (95°F). | | |
| Flammable Limits | Not Established | | |
| Fire Hazards in Presence of Various Substances | Slightly flammable to flammable in presence of open flames, sparks, shocks, heat, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis, moisture. | | |
| Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. | | |

Section 10. Stability and Reactivity Data

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| Stability | Stable |
| Incompatibility with Various Substances | No incompatible product according to our data base. |
| Hazardous Decomposition Products | not available |

Section 11. Toxicological Information

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| Routes of Entry | Skin contact. INHALATION Ingestion. Eye Contact |
| Toxicity to Animals | not available |
| Acute Effects on Humans | <p><i>Eyes</i> Irritant. Eye contact can result in corneal damage or blindness.</p> <p><i>Skin</i> Irritant. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Irritant. Irritating to mouth, throat and stomach.</p> <p><i>Ingestion</i> May cause headache, dizziness, nausea, vomiting and diarrhea.</p> |
| Chronic Effects on Humans | Over-exposure by inhalation may cause respiratory irritation. Repeated or prolonged exposure to the substance can produce blood disorders. Repeated or prolonged exposure to the substance can produce kidney damage. Repeated or prolonged exposure to the substance can produce liver damage. Repeated or prolonged exposure to the substance can produce nervous system damage. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum. |
| Special Remarks on Toxicity to Animals | No additional remark. |
| Special Remarks on Chronic Effects on Humans | No additional remark. |

Section 12. Ecological Information

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| 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 | as toxic as the original product. |
| Special Remarks on the Products of Biodegradation | No additional remark. |


Section 13. Disposal Considerations

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| 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)



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| TDG Classification | 3 |  |
| PIN UN, Proper Shipping Name, PG | Shipping name: Combustible liquids n.o.s. UNNA: 1993 PG: II | |
| Maritime Transportation | Not available. | |
| Special Provisions for Transport | Not available. | |


Section 15. Other Regulatory Information and Pictograms

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|-------------------------------|--|---|
| WHMIS (Classification) | WHMIS CLASS D-2: Material causing other toxic effects. WHMIS Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). |   |
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|-------------------------|-------------------------|
| Regulatory Lists | No products were found. |
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| Other Regulations | OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). |
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| Other Classifications | HCS (U.S.A.) | Class: Flammable liquid having a flash point lower than 37.8°C (100°F). |
| | USA Regulatory Lists | SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 2-Butoxyethanol: immediate health hazard, delayed health hazard SARA 313 toxic chemical notification and release reporting: 2-Butoxyethanol |
| | DSD (EEC) | R10- Flammable. |
| | International Regulations Lists | No products were found. |

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| Hazardous Material Information System (U.S.A.) | Health | * | 2 | National Fire Protection Association (U.S.A.) |  | Flammability | |
| | Flammability | | 3 | | | | Instability |
| | Physical Hazard | | 0 | | | | |
| <p>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.</p> | | | | | | | |

Section 16. Other Information

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| Validated by CRushton on 3/22/2004. | Verified by CRushton. Printed 3/27/2004. |
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| Information Contact | Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 |
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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.

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