



Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

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|---|----------------------------------|------------------------------|
|  | WHMIS CLASS E: Corrosive liquid. | HCS CLASS: Corrosive liquid. |
| WHMIS (Pictograms) | WHMIS (Classification) | HCS |

Section 1. Chemical Product and Company Identification

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|--------------------------|--|--|-------------------------|
| Product Name/ Trade name | Fiber Pro TLC | Code | 406 |
| Synonym | Traffic Lane Cleaner/Prespray | CAS # | Mixture. |
| Chemical Family | Not Applicable | Validation Date | 3/26/2004 |
| 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) Sodium Metasilicate | 6834-92-0 | 5-10 | Not available. | Not available. |
| 2) Sodium Hydroxide | 1310-73-2 | 1-5 | TWA: 2 (mg/m ³) from OSHA (PEL) [United States] | Not available. |
| 3) Sodium Xylene Sulfonate | 1300-72-7 | 0-5 | Not available. | ORAL (LD50): Acute: 650 mg/kg [Rat]. 5939 mg/kg [Mouse]. |
| 4) Sodium Tallate | 61790-45-2 | 0-5 | Not available. | Not available. |
| 5) 2-Butoxyethanol | 111-76-2 | 0-5 | TWA: 20 (ppm) from ACGIH (TLV) [United States] TWA: 50 (ppm) from OSHA (PEL) [United States] | ORAL (LD50): Acute: 1746 mg/kg [Rat]. |

Section 3. Hazards Identification

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| Potential Acute Health Effects | Corrosive to eyes. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. |
| Potential Chronic Health Effects | Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. |
| Carcinogenic Effects | Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. |

Section 4. First Aid Measures

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| Eye Contact | Flush eyes with a gentle stream of water holding eyelids open for at least 15 minutes. Seek medical attention. |
| Skin Contact | Wash gently and thoroughly the contaminated skin with running water and non abrasive soap. Seek medical attention. |
| Inhalation | Get to fresh air. Seek medical attention if irritation persists. |
| Ingestion | Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately. |

Section 5. Fire Fighting Measures

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| Products of Combustion | Not Available |
| Fire Fighting Media and Instructions | N/A |
| Special Remarks on Fire Hazards | N/A |
| Special Remarks on Explosion Hazards | N/A |

Section 6. Accidental Release Measures

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| Small Spill and Leak | Absorb with an inert material and place in an appropriate waste disposal container. |
| Large Spill and Leak | Absorb with an inert material and put the spilled material in an appropriate waste disposal. Call for assistance on disposal. |
| Personal Protection in Case of a Large Spill | Gloves (impervious). Splash goggles. Boots. |

Section 7. Handling and Storage

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| Precautions | After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes. |
| Incompatibility | Strong acids. |
| Storage | Corrosive 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> | Splash goggles. |
| <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 | 2-Butoxyethanol TWA: 25 (ppm) TWA: 50 (ppm) from OSHA (PEL) Consult local authorities for acceptable exposure limits. |

Section 9. Physical and Chemical Properties

| | | | |
|--|-----------------------|--------------|----------------|
| Physical State and Appearance | Liquid | Odor | Pleasant. |
| Molecular Weight | Not applicable. | Taste | Not available. |
| pH | 12.5 to 13.5 [Basic.] | Color | Straw color. |
| Boiling/Condensation Point | 215°F initial | | |
| Melting/Freezing Point | Not available. | | |
| Critical Temperature | Not available. | | |
| Instability Temperature | Not available. | | |
| Specific Gravity | 1.06 (Water = 1) | | |
| Vapor Pressure | 20mm Hg @ 68°F | | |
| Vapor Density | >1 (Air = 1) | | |
| Volatility | 80 | | |
| VOC | Not available. | | |
| Evaporation Rate | (Water=1):<1 | | |
| | | | |
| | | | |
| Dispersion Properties | not available | | |
| Solubility | not available | | |
| The Product is: | Non-flammable. | | |
| Auto-ignition Temperature | N/A | | |
| Flash Points | None to boiling | | |
| Flammable Limits | Not Applicable | | |
| Fire Hazards in Presence of Various Substances | Non-flammable. | | |
| Explosion Hazards in Presence of Various Substances | Not Applicable | | |

Section 10. Stability and Reactivity Data

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| Stability | Stable |
| Incompatibility with Various Substances | Strong acids. |
| Hazardous Decomposition Products | Will not occur. |

Section 11. Toxicological Information

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| Routes of Entry | Eye Contact Ingestion. Skin contact. |
| Toxicity to Animals | Acute oral toxicity (LD50): 1746 mg/kg [Rat]. (2-Butoxyethanol). |
| Acute Effects on Humans | <p><i>Eyes</i> Severe eye irritant. Liquid and mist may damage the eyes causing corneal injury.</p> <p><i>Skin</i> Severe skin irritant. May cause moderate reddening, swelling, and possible skin damage.</p> <p><i>Inhalation</i> Vapors may be irritating to mucous membranes in the nose, throat, and lungs.</p> <p><i>Ingestion</i> Irritating to the mouth, throat, and gastrointestinal system. May cause headache, dizziness, nausea, vomiting, and diarrhea.</p> |
| Chronic Effects on Humans | Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. |
| Special Remarks on Toxicity to Animals | No additional remark. |
| Special Remarks on Chronic Effects on Humans | No additional remark. |

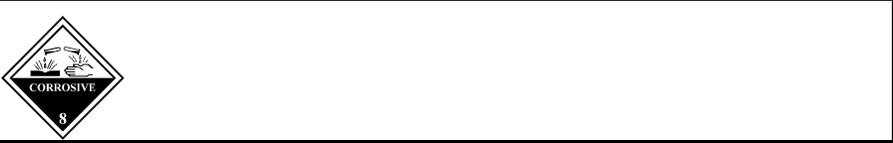
Section 12. Ecological Information

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|---|-----------------------------------|
| Ecotoxicity | Not available. |
| BOD5 and COD | Not Available |
| Products of Biodegradation | Not Available |
| 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

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| DOT (U.S.A) (Pictograms) |  | |
| TDG Classification | 8 |  |
| PIN UN, Proper Shipping Name, PG | Shipping name: Corrosive liquids n.o.s. UNNA: 1760 PG: III | |
| Maritime Transportation | Not available. | |
| Special Provisions for Transport | Not available. | |

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS CLASS E: Corrosive liquid. 

Regulatory Lists No products were found.

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

Other Classifications

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|--|--|
| HCS (U.S.A.) | HCS CLASS: Corrosive liquid. |
| 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) | |
| International Regulations Lists | No products were found. |

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

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|-----------------|---|---|--|
| Health | * | 3 | National Fire Protection Association (U.S.A.) |
| Flammability | | 0 | |
| Physical Hazard | | 0 | |



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 3/26/2004. 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.

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