



Material Safety Data Sheet

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|---------------------|--|-----------------------------|-----|--|
| Protective Clothing | | HCS | DOT | |
| | | Class: Irritating Substance | | |

Section I. Product Identification and Uses

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|-------------------------|-----------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms | Not available | HMIS | H 2 F 0 R 0 PE B |
| Common/Trade Name | Ma-Clear GNT | TSCA | TSCA inventory: All components listed TSCA 12(b) one time export: Not Listed TSCA 12(b) annual export notification: Not Listed |
| Chemical Name | Not applicable | | |
| Chemical formula | Not applicable | DSL | CEPA DSL: All components listed CEPA NDSL : Not listed |
| Chemical family | Not available | | |
| Manufactured / Supplied | Maple Solutions 3019 Lake Road D.D.O. QC, H9B 2R3, Canada | CAS# | Mixture |
| Material uses | Acrylic polymer for textile applications | Code | |
| Validation Date | Validated on 5 Feb 2006 | Molecular Weight | Not applicable |
| | | Revision Number | 2.0 |

Section IA. First Aid Measures

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| Eye contact | Immediately flush eyes with running water for at least 15 minutes, keeping eye lids open. Get medical attention |
| Skin contact | Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. |
| Hazardous Inhalation | Allow the victim to rest in a well ventilated area. Give artificial respiration if not breathing. Get medical attention if symptoms appear. |
| Hazardous ingestion | Do not induce vomiting unless directed so by medical personnel. Seek medical attention. |

Section II. Hazardous Ingredients

| Name | CAS# | % by Weight | TLV/PEL | LC ₅₀ /LD ₅₀ |
|---------------|------|-------------|---------|------------------------------------|
| Not hazardous | | | | |

Section III. Physical Data

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|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|
| Physical state and appearance | Opaque off white liquid | Odor | Mild odor |
| pH and Solution Conc. | Not available | Taste | Not available |
| Odor threshold | Not available | Color | Off-white |
| Volatility | 60-63% (w/w) | | |
| Melting Point | Not available | | |
| Boiling point | >100°C (212°F) | | |
| Specific Gravity | Not available | | |
| Vapor density | Not available | | |
| Vapor pressure | >17.5@20°C (68°F) mm Hg | | |
| Evaporation rate | Slower than Butyl Acetate | | |
| Viscosity | 4,000 – 15,000 cPs | | |
| Ionicity (surface active agent) | Not available | | |
| Critical temperature | Not available | | |
| Instability temperature | Not available | | |
| Condition of instability | Note available | | |
| Dispersion properties | Dispersible in water | | |
| Solubility | Dispersible | | |
| VOC's (g/L)(EPA 24/24A) | Not available | | |
| HAPs or TAPs | Clean air act (CAA) 112 accidental release prevention : Not listed Clean air act (CAA) 112 regulated flammable substances : Not listed Clean air act (CAA) 112 regulated toxic substances : Not listed | | |

Section IV. Fire and Explosion Data

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| The product is | Non-flammable |
| Auto-ignition temperature | Not available |
| Fire degradation products | This product is not known to present any fire hazard |
| Flash points | >100°C (212°F) |
| Flammable limits | Not available |
| Fire extinguishing procedures | Not available |
| Flammability | Not applicable |
| Risks of explosion | Not applicable |

Section V. Reactivity Data

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|------------------------------|-----------------------------------------------------------|
| Stability | Stable |
| Freeze/Thaw Stability | Do not freeze |
| Hazardous decomp. / products | Not available |
| Degradability | Not available |
| Products of degradation | Oxides of carbon, Oxides of Nitrogen and amonia. |
| Corrosivity | Non corrosive in presence of glass, stainless steel (316) |

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| Reactivity | May react with strong oxidizing agents and materials which are not compatible with water. |
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Section VI. Toxicological Properties

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| Routes of entry | Skin contact, inhalation, Eye contact, Ingestion | | | | | | | | |
| TLV | This product is considered to have low level of toxicity. Refer to Section II. Hazardous Ingredients | | | | | | | | |
| Toxicity to animals | LD50 (dermal) : Not available LC50: Not available | | | | | | | | |
| Chronic effects on humans | <table> <tr> <td>CARCINOGENIC EFFECTS</td><td>Not available</td></tr> <tr> <td>MUTAGENIC EFFECTS</td><td>Not available</td></tr> <tr> <td>TERATOGENIC EFFECTS</td><td>Not available</td></tr> <tr> <td>DEVELOPMENTAL TOXICITY</td><td>Not available</td></tr> </table> | CARCINOGENIC EFFECTS | Not available | MUTAGENIC EFFECTS | Not available | TERATOGENIC EFFECTS | Not available | DEVELOPMENTAL TOXICITY | Not available |
| CARCINOGENIC EFFECTS | Not available | | | | | | | | |
| MUTAGENIC EFFECTS | Not available | | | | | | | | |
| TERATOGENIC EFFECTS | Not available | | | | | | | | |
| DEVELOPMENTAL TOXICITY | Not available | | | | | | | | |
| Acute effects on humans | Vapors or direct eye contact may cause irritation. Repeated or prolonged skin contact may cause irritation. Ingestion may cause irritation. Inhalation may cause irritation of the respiratory tract and mucous membranes | | | | | | | | |
| Aquatic Toxicity (LC50) | Not available | | | | | | | | |

Section VII. Preventive Measures

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| Waste Information | This material, as received, is not expected to be a hazardous waste. Waste management should be in compliance with federal, state and local regulatory requirements. |
| Waste Stream | Not available |
| Storage | Keep container tightly closed in a cool, well-ventilated place. Avoid freezing (0°C) and storage at temperatures of above 35°C. Empty container may contain product residues and should be handled accordingly. |
| Precautions | Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. After handling, always wash hands thoroughly with soap and water. Keep container tightly closed in a cool, well-ventilated place. |
| Small spill and leak | Absorb with an inert material and place in an appropriate waste disposal container. Finish by washing the contaminated area with soap and water and dispose in accordance with local and state regulations. |
| Large spill and leak | Stop leak if without risk. Absorb with an inert material and put the spilled material in an appropriate waste disposal. |
| Protective clothing in case of large spill | Splash goggles. Boots, Full suit, gloves. Respiratory protection is necessary if handling spills or in case of gross contact. Any contaminated clothing should be removed and laundered. |

Section VIII. Classification

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| DOT | Not a DOT controlled material |
| | Not applicable, RQ Not available |
| Maritime transportation | Not pollutant |
| HCS | Not controlled under HCS (United States) |
| Federal and State regulations. Canadian WHMIS | This products is not considered to be controlled product under WHMIS |
| | CERCLA: Hazardous substances: Not listed SARA 313 toxic chemical notification and release reporting: Not listed |
| International lists | Not available |
| HMIS Hazard Rating | Health : 1 Flame : 0 Reactivity : 0 (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant) |

Section IX. Protective Clothing

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| Safety glasses, Gloves (impervious) |  |
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Section X. Other information

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|------------------------------|--------------------------|
| References | Not available |
| Special Test Results | Not available |
| Emergency information | +1 (301) 767 1177 |

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