



Material Safety Data Sheet

PRODUCT: Norwax® 527

Section 01: Chemical Product and Company Identification

| | | | |
|--------------------------|---|--|--|
| Manufacturer | Walker Emulsions Limited 4365 Corporate Drive Burlington, ON, CAN L7L 5P7 905-336-1216 | Walker Emulsions Inc. 4401 SE Johnson Creek Blvd Portland, OR, USA 97222 503-659-1708 | Walker Emulsions (USA) Inc. 700 Prosperity Drive Orangeburg, SC, USA 29115 888-636-1216 |
| Supplier | As above | | |
| Prepared By | Mark Rattle (905)-680-3687, Maria Racota (905)-680-3766 | | |
| Preparation Date | April 08, 2014 | | |
| Approved By | Walker Industries – Health and Safety Department (905) 227-4142 | | |
| Product Name | NORWAX® 527 | | |
| Chemical Family | Petroleum Wax Based Aqueous Emulsion | | |
| Chemical Formula | Not Applicable/Mixture | | |
| Material Use | Water Repellent / Sealant | | |
| 24 Hour Emergency Number | Quantum Murray 1-877-378-7745 (Burlington, ON). Infotrak (800) 535-5053 (Portland, OR). | | |

Section 02: Composition and Information on Ingredients

| | |
|------------------------|---|
| Non-controlled Product | THIS IS NOT A CONTROLLED PRODUCT UNDER W.H.M.I.S. (HPA Bill C-70) |
| HMIS Rating (0-4) | HEALTH = 1; FIRE = 0; REACTIVITY = 0; PROTECTIVE EQUIPMENT = B |

Section 03: Hazards Identification

Effects of Acute Exposure

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|-----------------|--|
| Eye Contact | Irritation upon direct contact, or via aerosols, or hot vapours. |
| Ingestion | May cause gastro-intestinal irritation, nausea, vomiting and diarrhea. |
| Inhalation | Aerosols and hot vapours may cause irritation. |
| Skin Absorption | Unlikely to be absorbed through skin. |
| Skin Contact | Generally non-irritating. |

Effects of Chronic Exposure

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|------|---|
| Skin | Repeated skin contact may cause irritation. |
|------|---|

Section 04: First Aid Measures

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|--------------------|---|
| Skin Contact | Wash irritated skin with soap and water. If irritation persists, seek medical attention. |
| Inhalation | Remove to fresh air. If irritation persists, seek medical attention. |
| Ingestion | Dilute with large quantities of water or milk. Do not induce vomiting. Get immediate medical attention. |
| Eye Contact | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Consult physician if irritation continues. |
| Note to Physicians | Essentially acutely non-toxic by ingestion. |

Section 05: Fire and Explosion Data

| | |
|---------------------------|---------------|
| Flash Point (C), Method | Not Flammable |
|---------------------------|---------------|



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Section 05: Fire and Explosion Data

| | |
|----------------------------------|--|
| Auto Ignition Temperature (C) | Not Flammable |
| Upper Flammable Limit (% vol) | Not Applicable |
| Lower Flammable Limit (% vol) | Not Applicable |
| Extinguishing Media | Foam, Carbon Dioxide, Dry Chemical, Halon, Water Fog |
| Hazardous Combustion Products | Carbon Dioxide, Carbon Monoxide |
| Sensitivity to Mechanical Impact | Not Sensitive |
| Sensitivity to Static Discharge | Not Sensitive |

Section 06: Accidental Release Measures

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|------------|--|
| Leak/Spill | <p>Small Spill - Wipe-off/soak-up with suitable absorbent. Allow residue to dry, and remove by scraping.</p> <p>Large Spill - Prevent additional discharge of material. Dike. Prevent flow into water courses. Collect, separating uncontaminated material for re-use. Wipe-off/soak-up residue with suitable absorbent. Remove traces with large quantity of water.</p> |
|------------|--|

Section 07: Handling and Storage

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|---------------|--|
| Handling | Open and handle containers with care. Residue on the floor can be slippery. Product may innocuously separate and become two phase under conditions of high shear (pumping). |
| Storage Needs | Store in cool place away from incompatible materials. Keep containers closed. Product may innocuously separate and become two phase if frozen and thawed. Product may innocuously separate if stored for extended periods (>6 months). |

Section 08: Exposure Control and Personal Protection

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|--------------------------|--|
| Protective Equipment | |
| Eye/Type | Safety glasses / goggles. |
| Respiratory/Type | Approved air purifying respirator or supplied air respirator for aerosols, or vapour in confined spaces. |
| Gloves/Type | Wear impervious gloves (Latex, Nitrile, Neoprene or Rubber). |
| Clothing/Type | Suitable for splash protection (long sleeves, rubber apron) |
| Footwear/Type | Safety boots per local regulations |
| Ventilation Requirements | General/Mechanical |

Section 09: Physical and Chemical Properties

| | |
|--------------------------|-------------------|
| Physical State | Liquid (emulsion) |
| Appearance | White |
| Viscosity (cPs, water=1) | max. 300 |
| Volatility (wt%) | 40-50 |
| Specific Gravity | 0.91 - 0.97 |
| pH | 9.0 – 11.0 |
| Solubility in Water | Disperses |



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Section 09: Physical and Chemical Properties

| | |
|---------------------------------------|----------------------|
| Odour | Mild, sweet odor |
| Odour threshold (ppm) | Not Available |
| Vapour Pressure (mm Hg) | Not Available |
| Vapour Density (air=1) | ~1 |
| Evaporation Rate (n-butyl acetate=1) | <1 |
| Coefficient of water/oil distribution | ~0.775 (theoretical) |
| Boiling Point (C) | 100 (initial) |
| Freezing Point (C) | ~ 0 |
| Melting Point (C) | Not Applicable |

Section 10: Stability and Reactivity Data

| | |
|---|---------------------------------|
| Hazardous Polymerization | Will not occur |
| Chemical Stability | Stable |
| Incompatibility | Strong oxidizers |
| Reactivity Conditions | Stable |
| Hazardous Products of Decomposition (thermal) | Carbon Monoxide, Carbon Dioxide |

Section 11: Toxicological Information

Routes of Entry

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|------------|---|
| Eye | Moderate irritant by direct contact (acute). |
| Skin | Generally non-irritating (acute). May cause sensitization by repeated skin contact. |
| Inhalation | Elevated temperatures may form acutely irritating vapours. |
| Ingestion | Not acutely toxic. Chronic ingestion of paraffins in rats has shown accumulation in target organs (liver spleen) with associated nonspecific immune response. |

Exposure Limits

| | |
|-----------------------------|---|
| LD/50 | >5000 mg/Kg (oral, rat) for similar base wax materials |
| LD/50 | >3160 mg/Kg (dermal, rabbit) for similar base wax materials |
| LC/50 | >5000 mg/m ³ (rat) for similar base wax materials |
| TLV/TWA | 2 mg/m ³ (ACGIH, paraffin wax fume); 5 mg/m ³ (ACGIH, oil mist) |
| Carcinogenicity | Not Listed (IARC, ACGIH) |
| Teratogenicity/Mutagenicity | None Known |
| Reproductive Effects | None Known. |
| Synergistic Materials | None Known. |

Section 12: Ecological Information

| | |
|-------------------------------|---------------|
| Environmental | Not Available |
| Ectotoxicological Information | Not Available |



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Section 12: Ecological Information

Biodegradability Not Available

Section 13: Disposal Considerations

Waste Disposal Contact disposal agency. Dispose of in accordance with government requirements and ensure conformity to local regulations.

Section 14: Transport Information

U.N. # None
T.D.G. Classification Not Regulated
D.O.T. Classification Not Regulated

Section 15: Regulatory Information

U.S. Federal Regulations Not Regulated by OSHA 29 CFR 1910.1200.
US TSCA Ingredients appear on the Toxic Substances Control Act Inventory
US State Regulations Not Controlled
WHMIS Classification Not Controlled
DSL Ingredients of this product appear on the Domestic Substances List
CPR Compliance This product has been classified in accordance with the hazard criteria of the CPR/HPA and the MSDS contains all of the information required by the CPR/HPA.

Section 16: Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information provided.