



U.S. Department of Labor

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

#850 Metal Wax

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

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| <u>Manufacturer's Name</u> The Collinite Corporation | <u>Emergency Telephone Number</u> 315-732-2282 |
| <u>Address (Number, Street, City, State, and ZIP Code)</u> Utica, New York 13502 | <u>Telephone Number for Information</u> 315-732-2282 |
| <u>Signature of Preparer (optional)</u> | <u>Date Prepared:</u> 6/1/2004 |

Section II - Hazard Ingredients/Identity Information

| <u>Hazardous Components (Specific Chemical Identity; Common Name(s))</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>Other Limits Recommended</u> | <u>% (optional)</u> |
|--|-----------------|------------------|---------------------------------|---------------------|
| 1. Solvent: (Only) Petroleum Hydrocarbon (DX 3641 Naptha) | Unavailable | 200 ppm* | Unavailable | Unavailable |
| 2. Morpholine | 20 ppm | 20 ppm** | Unavailable | 110-91-8 |
| 3. Silica(Flux calcined diatomaceous earth) | .08 mg/m3 | Unavailable | Unavailable | 68855-54-9 |

*A TLV has not been established for this product. The value shown has been recommended by the EXXON Corp. Medical research based on considerable toxicological data.
** Skin exposure may contribute to overall exposure to this material. Absorption through the skin should be prevented so that the TLV is not exceeded.

Section III - Physical/Chemical Characteristics

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| <u>Boiling Point</u> Solvent: 360-415 degrees F | <u>Specific Gravity (H₂O = 1)</u> 1.128 | <u>Vapor Pressure (mmHg)</u> Solvent 30 @ 38 degrees |
| <u>Solubility in Water</u> None | <u>Vapor Density (AIR = 1)</u> Solvent: 5.3 | <u>Melting Point</u> Does not apply |
| <u>Appearance & Odor</u> Thick brown liquid, mildly acrid | <u>Reactivity in Water</u> None | |

Section IV - Fire and Explosion Hazard Data

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|--|-------------------------|---------------------------|---------------------------|
| <u>Flash Point (Method Used):</u> 128 F 53 C Tag closed cup | <u>Flammable Limits</u> | <u>LEL</u> 1.1% | <u>UEL</u> 6.0% |
| <u>Extinguishing Media:</u> Foam, Dry Chemical, CO2, Water fog or spray. | | | |
| <u>Special Fire Fighting Procedures:</u> Use air-supplied breathing equipment for enclosed areas. Cool exposed containers with water spray. Avoid breathing vapor. | | | |
| <u>Auto-Ignition Temperature:</u> 520 C | | | |
| <u>Unusual Fire and Explosion Hazards:</u> Do not mix or store with strong oxidants like liquid chlorine or concentrated oxygen. Also avoid contact with strong alkalis and strong organic acids. | | | |

Section V - Reactivity Data

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| <u>Stability</u> | <u>Unstable</u> | | <u>Conditions to Avoid</u> |
| | <u>Stable</u> | X | Fires, high temperatures |
| <u>Incompatibility (Materials to Avoid)</u> | | | |
| Strong oxidants: liquid chlorine, concentrated oxygen, sodium or calcium hypochlorite | | | |
| <u>Hazardous Decomposition or Byproducts:</u> Fumes, smoke and carbon monoxide | | | |
| <u>Hazardous Polymerization</u> | <u>May Occur</u> | | <u>Conditions to Avoid</u> |
| | <u>Will Not Occur</u> | X | Does not apply |

Section VI - Health Hazard Data

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| <u>Route(s) of Entry:</u> <u>Eyes?</u> Avoid-strong irritant, can cause burns | <u>Inhalation?</u> Avoid-causes dizziness, headache, respiratory irritation from dust | <u>Skin?</u> Avoid-strong irritant can cause dry skin, dermatitis | <u>Ingestion?</u> Avoid-do not induce vomiting-call a physician |
| <u>Health Hazards (Acute and Chronic)</u> | | | |
| Acute: Dizziness, headache, unconsciousness Chronic: Dry skin, skin irritation, dermatitis | | | |
| <u>Carcinogenicity:</u> | <u>NTP?</u> Unavailable | <u>IARC Monographs?</u> Not found | <u>OSHA Regulated?</u> Yes, morpholine |
| <u>Signs and Symptoms of Exposure:</u> Skin erythema, headache, light-headedness, transitory upper respiratory | | | |
| <u>Medical Conditions Generally Aggravated by Exposure:</u> dry skin, dermatitis, pre-existing upper respiratory and lung disease(aggravated by product dust) | | | |
| <u>Emergency and First Aid Procedures</u> | | | |
| If overcome by vapor, remove from exposure, call physician. If ingested, do not induce vomiting. For eye contact, flush with water for 15 minutes. | | | |

Section VII - Precautions for Safe Handling and Use

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| <u>Steps to Be Taken in Case Material is Released or Spilled:</u> Remove all ignition sources. Recover free liquid. Add absorbent (sand, earth, sawdust) Avoid vapors. Ventilate area |
| <u>Waste Disposal Method:</u> Assure conformity with applicable disposal. |
| <u>Precautions to Be taken in Handling and Storing:</u> Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. Adequate ventilation-equivalent to outdoors. |
| <u>Other Precautions:</u> Avoid breathing vapors. Avoid skin & eye contact. |

Section VIII - Control Measures

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| <u>Respiratory Protection (Specify Type)</u> | | |
| Use hydrocarbon vapor canister or supplied air respiratory protection in confined or enclosed spaces. | | |
| <u>Ventilation:</u> Required | <u>Local Exhaust:</u> Face velocity 60 fpm Mechanical(General) explosive proof | <u>Special:</u> Adeq. Ventilation <u>Other:</u> No smoking, fires |
| <u>Protective Gloves:</u> Chemical resistant | <u>Eye Protection:</u> Goggles or face-shield | |
| <u>Other Protective Clothing or Equipment:</u> Use chemical resistant apron to avoid repeated/prolonged skin contact | | |
| <u>Work/Hygienic Practices:</u> Avoid vapors, prolonged skin contact and eye contact. Wash thoroughly after contact. Adequate ventilation means equivalent to outdoors. | | |