



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)

#237 Insulator Cleaner

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

<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> 1/12/2010

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>
Shell Petroleum Solvent #140 (CAS #111-84-2)			TLV=200ppm STEL=250 ppm	38%
Morpholine: (CAS #110-91-8)			TLV=20 ppm (skin)	1%
No other hazardous ingredients present.				

Section III - Physical/Chemical Characteristics

<u>Boiling Point</u> 155 degrees F 68.3 degrees C	<u>Specific Gravity (H₂O = 1)</u> 1.9	<u>Vapor Pressure (mm Hg.)</u> 4 mm
<u>Solubility in Water</u> 85% (may be a stable emulsion)	<u>Vapor Density (AIR = 1)</u> 6.5 (Dumas)	<u>Melting Point</u> Liquid at room temperature
<u>Appearance & Odor</u> White, thick, gravy, semi-liquid, hydrocarbon odor	<u>Evaporation Rate: 0.12 (Butyl Acetate=1)</u>	

Section IV - Fire and Explosion Hazard Data

<u>Flash Point (Method Used):</u> 275 F (Dumas)	<u>Flammable Limits</u> Not established	<u>LEL</u> X	<u>UEL</u> X
<u>Extinguishing Media:</u> Foam, Dry Chemical, CO2, Water fog or spray.			
<u>Special Fire Fighting Procedures:</u> Use self-contained respiratory apparatus as protection from fumes during high temperature decomposition.			
<u>Auto-Ignition Temperature:</u>			
<u>Unusual Fire and Explosion Hazards:</u> NOx may be present during high temperature decomposition (600 F)			

Section V - Reactivity Data

<u>Stability</u>	<u>Unstable</u>		<u>Conditions to Avoid</u>
	<u>Stable</u>	X	Avoid excess heat
<u>Incompatibility (Materials to Avoid)</u> Strong oxidants			
<u>Hazardous Decomposition or Byproducts:</u> hydrocarbons evaporate from product; NOx released in fire			

<u>Hazardous Polymerization</u>	<u>May Occur</u>		<u>Conditions to Avoid</u>
	<u>Will Not Occur</u>	X	Avoid excess heat, strong oxidizers

Section VI - Health Hazard Data

<u>Route(s) of Entry:</u>	<u>Inhalation?</u> Avoid-do not breath vapor	<u>Skin?</u> Avoid-do not expose to skin	<u>Ingestion?</u> Avoid-do not ingest
<u>Health Hazards (Acute and Chronic)</u> Inhalation-Acute nausea, aggravation of existing ailments. Chronic: liver/kidney damage. Skin: dermatitis(acute) , liver/kidney damage(chronic) Ingestion: treat like a solvent, do not induce vomiting			
<u>Carcinogenicity:</u> Yes(morpholine)	<u>NTP?</u> Yes (skin)	<u>IARC Monographs?</u> Not found	<u>OSHA Regulated?</u> Not found
<u>Signs and Symptoms of Exposure:</u> Skin-itching, irritation, dryness			
<u>Medical Conditions Generally Aggravated by Exposure:</u> unknown			
<u>Emergency and First Aid Procedures</u> Skin-wash with detergent and water, apply hand lotion. Inhalation-remove to fresh air, give oxygen for severe exposure.			

Section VII - Precautions for Safe Handling and Use

<u>Steps to Be Taken in Case Material is Released or Spilled:</u> Contain,absorb spill on material designed for combustible solvent clean-up. Place residue in an air tight container. Avoid contact with skin. Wear a respirator and/or provide air ventilation.
<u>Waste Disposal Method:</u> Follow regulatory agency recommended procedures or burn with fuel oil in boiler if local regualtion permits.
<u>Precautions to Be taken in Handling and Storing:</u> Wear gloves, eye protection, and a neoprene apron. Provide forced ventillation (50LFM). Store in a cool dry place.
<u>Other Precautions:</u> Product may separate if frozen requiring vigorous agitation before use. Keep product away from food or drink.

Section VIII - Control Measures

<u>Respiratory Protection (Specify Type)</u> Supply general ventillation to keep vapor level below the TLV.		
<u>Ventilation: Required</u>	<u>Local Exhaust: 50 LFM</u> Mechanical(General) same as above	<u>Special: same as above</u>
<u>Protective Gloves: required, use neoprene</u>		<u>Eye Protection: required</u>
<u>Other Protective Clothing or Equipment:</u> Use a neoprene or plastic apron		
<u>Work/Hygienic Practices:</u> Avoid skin contact, do not breath vapors, keep away from food.		