



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

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

### Section III - Physical/Chemical Characteristics

<u>Boiling Point</u> <b>155 degrees F 68.3 degrees C</b>	<u>Specific Gravity (H<sub>2</sub>O = 1)</u> <b>1.9</b>	<u>Vapor Pressure (mm Hg.)</u> <b>4 mm</b>
<u>Solubility in Water</u> <b>85% (may be a stable emulsion)</b>	<u>Vapor Density (AIR = 1)</u> <b>6.5 (Dumas)</b>	<u>Melting Point</u> <b>Liquid at room temperature</b>
<u>Appearance &amp; Odor</u> <b>White, thick, gravy, semi-liquid, hydrocarbon odor</b>	<u>Evaporation Rate: 0.12 (Butyl Acetate=1)</u>	

### Section IV - Fire and Explosion Hazard Data

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

### Section V - Reactivity Data

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

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

### Section VI - Health Hazard Data

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

### Section VII - Precautions for Safe Handling and Use

<u>Steps to Be Taken in Case Material is Released or Spilled:</u> <b>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 ventillation.</b>
<u>Waste Disposal Method:</u> <b>Follow regulatory agency recommended procedures or burn with fuel oil in boiler if local regualtion permits.</b>
<u>Precautions to Be taken in Handling and Storing:</u> <b>Wear gloves, eye protection, and a neoprene apron. Provide forced ventillation (50LFM). Store in a cool dry place.</b>
<u>Other Precautions:</u> <b>Product may separate if frozen requiring vigorous agitation before use. Keep product away from food or drink.</b>

### Section VIII - Control Measures

<u>Respiratory Protection (Specify Type)</u> <b>Supply general ventillation to keep vapor level below the TLV.</b>		
<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> <b>Use a neoprene or plastic apron</b>		
<u>Work/Hygienic Practices:</u> <b>Avoid skin contact, do not breath vapors, keep away from food.</b>		