MICRO CARE CORPORATION
595 John Downey Drive
New Britain, Connecticut, 0605, USA
(860) 827-0626 (Customer Service)
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MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Product Name: VeriClean Plus--Low VOC Solvent
Chemical Family: A Volatile Methyl Siloxane (VMS) solvent blended with an organic compound.
Packaged By: Micro Care Corp., 595 John Downey Dr., New Britain, CT, 06051 USA CAGE/FSCM: OATV9
Emergency Telephone: CHEMTREC (800) 424-9300

2. Composition/Information on Ingredients

Active Ingredients:

Chemical Name	Wt.%Range	TLV Units
Hexamethyldisiloxane CAS # 107-46-0	95.00	See section 8
Propylene Glycol Methyl Ether CAS # 107-98-2	5.00	100 ppm

All components of this material are listed on the TSCA inventory.

3. Hazard Identification

Emergency Overview: Flammable Liquid. Fire burns more vigorously than would be expected. Colorless liquid with an slight ethereal odor. Liquid will irritate eyes and skin under repeated or prolonged exposure. Product vapors can be moved by air currents and ignited by pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources distant from product handling point. Keep away from children.

Potential Health Effects

Eyes: Vapor contact: May irritate and cause pain and watering. Liquid contact: Direct contact may irritate seriously with moderate to severe redness, swelling and possibly some corneal injury lasting several days to a week. Persons wearing contact lenses should wear chemical protective safety glasses when exposed to this product.
Skin: A single prolonged exposure (24-48 hours) irritates. Repeated prolonged contact (24-48 hours) may cause defatting of the skin leading to dermatitis.
Ingestion: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.
Inhalation: Vapor may irritate nose and throat. Vapor overexposure may cause drowsiness.
Medical Conditions Aggravated by Exposure: Preexisting disease of the heart, lungs, skin and eyes.

4. First Aid Measures

Eyes: Immediately flush with water. Remove any contact lenses and continue flushing for 15 minutes, lifting eyelids occasionally until no evidence of the chemical remains. If irritation develops or persists call a physician.
Skin: Wash promptly with soap and water for 15 minutes. Remove and wash contaminated clothing and shoes before reuse.
Ingestion: Call a physician.
Inhalation: Remove to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician
Note to Attending Physician: There is no specific antidote to overexposure. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Immediate medical attention for acute overexposure is required.

5. Firefighting Measures

Flash Point: 24.8° F / -04.0° C, Tag Closed Cup, ASTM-D-56.
Autoignition Temperature: 689° F / 365° C
Flammable Limits in Air: LEL/UEL: 1.25-18.6 (% by volume)
Extinguishing Media: Use dry chemical, "alcohol" foam, CO2; water may be ineffective, but water should be used to keep fire exposed containers cool. If a spill or leak has not ignited, use water spray to disperse vapors and protect persons attempting to stop leak.
Special Firefighting Procedures: Evacuate personnel. Wear self contained breathing apparatus (SCBA) and full protective equipment. Keep containers cool. Containers build pressure under fire conditions causing violent bursting and dangerous propelling of container. This is especially true for aerosol containers which are packaged under pressure. Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge.

6. Accidental Release Measures

Spill or Leak: Evacuate area, absorb spilled liquid with commercial, nonflammable absorbent i.e. sand, vermiculite. Remove unprotected personnel. Protected personnel should remove ignition sources and shut off fire sources. Provide ventilation. Shovel (spark proof) absorbent material into drums and close. Do not flush to sewer.

7. Handling and Storage

Avoid breathing vapors or mist. Keep containers closed. Use only with adequate ventilation. Avoid repeated or prolonged contact with eyes, skin or clothing. Wash thoroughly after handling. Do not store in direct sunlight. Store in cool dry place, away from heat, sparks or flames which may generate toxic decomposition products. Vapors are heavy and may concentrate in low poorly ventilated areas.

8. Exposure Controls/Personal Protection

Respiratory Protection: Use only with adequate ventilation. Keep container tightly closed. Use approved NIOSH self-contained or supplied air respirators for emergencies and in situations where air may be displaced by vapors.
Eye Protection: Use chemical protective safety glasses.
Protective Clothing: Where there is potential for skin contact, use appropriate impervious gloves, apron, pants and jacket.
Exposure Guidelines: Applicable Exposure Limits.

Hexamethyldisiloxane:

PEL (OSHA)	none established
TLV (ACGIH)	none established
PEL (Dow Corning)	200 ppm TWA

Propylene Glycol Methyl Ether:

PEL (OSHA)	100 ppm TWA, 150 ppm STEL
TLV (ACGIH)	100 ppm TWA, 150 ppm STEL

NFPA, NPCA-HIMIS RATING:

Health	1
Flammability	3
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

9. Physical and Chemical Properties

Physical Form: Clear, colorless liquid
Odor: Slight ethereal
Boiling Point: 98° C / 210° F
pH: Not applicable
Solubility in Water: Not soluble
Specific Gravity: .77 @ 25° C / 77° F
% Volatile by Weight: 100
Vapor Pressure: 44.6 mmHg @ 25° C / 77° F
Vapor Density (air=1): >1.00

10. Reactivity

Chemical Stability: Material is stable.
Hazardous Polymerization: Will not occur.
Incompatibilities: Avoid oxidizing materials which can cause a reaction.
Decomposition Products: Burning may produce carbon oxides, and traces of incompletely burned compounds. Also silicon dioxide, and possibly formaldehyde.

11. Toxicological Information

Carcinogenicity: None of the components present in VeriClean Plus -- Low VOC Solvent are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

12. Ecological Information

Aquatic Toxicity: Avoid runoff into storm drains and streams which lead to waterways. Water runoff can cause environmental damage.

13. Disposal Considerations

Waste Disposal: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

14. Transportation Information

Transport for VeriClean Plus--Low VOC Solvent, Liquid Packaging:
Ground Transport: Flammable Liquid N.O.S. (Hexamethyldisiloxane), UN1993, Class 3, Pkg.Group II. Hazard label: Flammable Liquid.
Air Transport: Contact Micro Care prior to shipping bulk packaged VeriClean Plus--Low VOC Solvent by air freight.

15. Regulatory Information

Section 313 Supplier Information: This material contains the following toxic chemicals subject to the emergency reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40 CFR 372:

CAS#	Chemical Name	% by Weight
None		

This information must be included in all MSDSs that are copied and distributed for this material.

Title III Hazard Communications Sections 311, 312

Acute	Yes	
Chronic	Yes	
Fire	Yes	
Reactivity	No	
Pressure	Aerosol: Yes	Non aerosol: No

16. Other Information

For additional information, contact Tech Support at Micro Care: Telephone (860) 827-0626 or email: techsupport@microcare.com