

Material Safety Data Sheet

CleanVia, Inc. urges the customer receiving this MSDS to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents, and contractors of the information on this sheet, (2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

OECD Format

Fire - 1	Special - 0
Toxicity - 0	Health - 0
Reactivity - 0	Safety - 0

PRODUCT

VS-54
ViaSolve-54
Multi-Use Solvent

SECTION I - IDENTIFICATION

Product Name: VS-54 Oil Base Solvent
Synonyms: Methyl Esters of plant oils
Chemical: Vegetable Oil Derived Methyl Esters
CAS Number: 68900-52-3
SARA Hazard: None noted (section 311/312) Title III Section 313 – Not Listed
Supplier: CleanVia, Inc.
 POB 69344
 Portland, OR 97239-0344
Emergency Telephone Number: 503-288-0000

SECTION II – INGREDIENTS AND HAZARD CLASSIFICATION

Composition	PEL/TVL	Hazard
Methyl Linoleate	None/None	None noted
Methyl Linolenic	None/None	None noted
Methyl Myristate	None/None	None noted
Methyl Oleate	None/None	None noted
Methyl Palmitate	None/None	None noted
Methyl Stearate	None/None	None noted

SECTION III – HEALTH INFORMATION

Eye Contact: Similar products were not classified as eye irritants.
Ingestion: LD50 50ml/Kg (albino rats) (similar products)
Inhalation: Unknown
Skin Contact: Methyl Ester was not classified as a primary skin irritant or corrosive material.

SECTION IV – OCCUPATIONAL EXPOSURE LIMITS

PEL: No OSHA PEL
TLV: No ACGIH TLV

SECTION V – EMERGENCY FIRST AID PROCEDURE

For overexposure by swallowing: Call a physician or poison control center promptly.
For overexposure by skin contact: Wash effected area.
For overexposure by eye contact: Immediately flush eyes with plenty of cool water for at least 15 minutes. Do not allow victim to rub eyes.
For overexposure by inhalation: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration. Get medical attention immediately.

SECTION VI – PHYSICAL DATA

Boiling Range: 585°-648° F (307°-342° C) @ 760mm Hg pressure
Vapor: Less than 1mm Hg. Pressure @ 72° C
Specific Gravity: 0.83 @ 25° C
Solubility in water: Negligible at room temperature
Appearance and color: Clear liquid at room temperature, amber color.

SECTION VII – FIRE AND EXPLOSION HAZARDS

Flash Point and Method used: 323°F (162° C) (PMCC)
Flammable limits in Air, % by vol. Lower: Not Applicable
Flammable limits in Air, % by vol. Upper: Not Applicable
NFPA Rating: No NFPA Rating
HMIS Rating: Health (0), Fire (1), Reactivity (0)

Special Fire Fighting Procedures & Precautions:

Individuals should perform only fire fighting procedures for which they have been trained.
Use water spray, dry chemicals, foam or carbon dioxide.
Water may be ineffective but should be used to keep fire-exposed containers cool.
If a spill or leak does not ignite, use water spray to disperse the vapors.
Water spray may be used to flush spills away from fire.

Usual Fire & Explosion Hazards:

Oil soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap & water and dry in a well-ventilated area.
Fire fighters should wear self-contained breathing apparatus in the positive pressure mode with a full-face piece when there is a possibility of exposure to smoke, flames or hazardous decomposition products.

SECTION VIII – REACTIVITY

Stability: Generally stable
Hazardous Polymerization: None likely
Conditions and Materials to Avoid: Avoid contact with strong oxidizing agents.
Hazardous Decomposition Products: Decomposition may produce carbon monoxide, carbon dioxide and formaldehyde.

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SECTION IX – EMPLOYEE PROTECTION

- Control Measures: Handle in the presence of adequate ventilation.
- Respiratory Protection: Recommended exposure limits, (i.e. OSHA – PEL & ACGIH-TLV) have not been established for this material. Whether there is a need for respiratory protection under your conditions of handling this material should be evaluated by a qualified health specialist.
- Protective Clothing: No need anticipated.
- Eye Protection: Wear safety glasses meeting the specification of ANSI Standard Z87.1

SECTION X – ENVIRONMENTAL PROTECTION

- Environmental Precautions: Avoid uncontrolled releases of this material.
Where spills are possible, a comprehensive spill response plan should be developed and implemented.
- Spill or Leak Precaution: Wear appropriate respiratory protection and protective clothing as described in Section IX.
Contain spilled material, transfer to secure containers, where necessary, and collect using absorbent media.
In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.
- Waste Disposal: All recovered material should be packaged, labeled, transported and disposed of or reclaimed in compliance with applicable laws and regulations and in compliance with good engineering practices.
Avoid land filling of liquids. Reclaim where possible.

SECTION XI – REGULATORY CONTROLS

- Department of Transportation DOT Classification: Not regulated.
No proper shipping name
Other DOT information.
- Other Regulatory Requirements: Listed in TSCA inventory

SECTION XII – PRECAUTIONS

- Handling, Storage & Usage: No special precautions necessary.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process, unless specified in the text.

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