



McCord Research Safety Data Sheet (SDS)



HMIS	
Health Hazard	1
Fire Hazard	1
Reactivity	0

SECTION 1. IDENTIFICATION	
Product Identifier:	VINIFERAMINE® WOUND HYDROGEL
Synonyms:	None known.
Manufacture Stock Numbers:	PL-CS48-138
Recommended Use:	Skin Wound Dressing
Uses Advised Against:	For External Use Only
Manufacturer Contact:	McCord Research, Inc.
Address:	2769 Heartland Drive Suite 303, Coralville, IA 52241 USA
Website:	www.mccordresearch.com
Phone:	(319) 351-3201
Emergency Phone:	CHEMTREC (800) 424-9300
Fax:	(319) 358-6863

If this product is exempt from the requirements of safety data sheets do not complete the remainder of the form and contact inquire@mccordresearch.com.

SECTION 2. HAZARDS IDENTIFICATION	
Classification:	While the finished product(s) is not considered hazardous as defined by OSHA in 29 CFR 1910.1200 (d), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
Signal Word:	None.
Pictogram:	None.
Hazards Statements:	Not applicable.
Response:	Not applicable.
Prevention:	Not applicable.
Storage:	Not applicable.
Disposal:	Not applicable.
Ingredients of Unknown Toxicity:	None known.
Hazards not Otherwise Classified:	Not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS			
Chemical Name	CAS Number	Weight % Range	Exposure Limits [mg/m ³]
Ingredient(s): Glycerin	56-81-5	18.00 - 22.00	10 mg/m ³ TWA (Glycerin Mist)
Other Ingredients include Skin Conditioners, Buffering Agents, Solvents, & Essential Oils.	N/A	Proprietary	N/A

SECTION 4. FIRST-AID MEASURES	
Eye Contact:	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
Skin Contact:	If irritation occurs, rinse affected area with plenty of water until no evidence of the product remains. Obtain medical attention if irritation persists.
Inhalation:	This form of application makes inhalation virtually improbable but if inhaled; administer fresh air. Should symptoms develop, contact a doctor.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

SECTION 5. FIRE FIGHTING MEASURES	
Suitable Extinguishing Media:	Carbon dioxide (CO ₂), Dry chemical, foam.
Unsuitable Extinguishing Media:	None known.
Unusual Fire and Explosion Hazards:	None reasonably foreseeable.
Special Firefighting Procedures: (Special hazard arising from chemical, Special protective equipment and precautions)	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Check all that apply	
<input checked="" type="checkbox"/> Non-hazardous Small Spill	Should be cleaned up at the time of the spill. Take all necessary precautions and wear any personal protective equipment that is applicable. Dispose of per local and state regulations.
<input checked="" type="checkbox"/> Non-hazardous Large Spill	Should be cleaned up at the time of the spill. May require special treatment, equipment and/or emergency assistance. Dispose of per local and state regulations.
<input type="checkbox"/> Flammable Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
<input type="checkbox"/> Flammable Large Spill	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined area: dike if needed.
<input type="checkbox"/> Corrosive Small Spill	Absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution or sodium carbonate.
<input type="checkbox"/> Corrosive Large Spill	Corrosive liquid, Poisonous liquid. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call CHEMTREC for assistance on disposal. Neutralize the residue with dilute solution of sodium carbonate.
<input type="checkbox"/> Environmental Precautions	Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

SECTION 7. HANDLING AND STORAGE

Check all that apply	
<input checked="" type="checkbox"/> Non-hazardous Handling	This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.
<input checked="" type="checkbox"/> Non-hazardous Storage	Store in original package. Discard unused portion. Do not reuse. No special storage conditions required.
<input type="checkbox"/> Handling Aerosols	Contents under pressure. Do not puncture or incinerate. Keep away from open flames, hot surfaces or sources of ignition. Avoid contact with skin and eyes. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. For commercial and industrial use only.
<input type="checkbox"/> Storage Aerosols	Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children. Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50° C or 120° F. Do not pierce or burn, even after use.

<input type="checkbox"/> Handling Corrosive	Keep locked up. Keep container dry. Do not ingest. Do not breathe gas/fumes/vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, combustible materials, organic materials, metals, acids, alkalis, moisture. May corrode metallic surfaces. Store in a plastic or coated fiberboard drum using a strong polyethylene inner package.
<input type="checkbox"/> Storage Corrosive	Hygroscopic. Reacts violently with water. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23° C (73.4° F)
<input type="checkbox"/> Handling Flammable	Keep away from heat. Keep away from sources of ignition. Ground and bond all equipment containing material. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.
<input type="checkbox"/> Storage Flammable	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION EQUIPMENT (PPE)

Check all that apply				
<input type="checkbox"/> Goggles	<input type="checkbox"/> Gloves	<input type="checkbox"/> Apron	<input type="checkbox"/> Face Shield	<input type="checkbox"/> Respirator
Engineering Controls:	None required.			
Respiratory Protection:	None required for normal use.			
Skin Protection:	None required for normal use.			
Eye Protection:	Avoid eye contact.			
Other Protective Equipment:	None required for normal use.			
Hygienic Practices:	Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	<input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Gas	Color:	Yellow to amber in color.
Odor:	Characteristic	Odor Threshold:	Not determined.
Solubility:	Soluble.	Partition Coefficient Water/n-octanol	Not determined.
Viscosity:	55,000 - 90,000 cps	Specific Gravity/Relative density:	0.95 - 1.10
Density lbs./Gal:	Not determined.	Pounds per Cubic Foot:	Not determined.
Flash Point:	Expected ≥ 212 °F/100 °C based on composition.	FP Method:	Not determined.
pH:	5.50 - 7.00	Melting Point:	Not determined.
Boiling Point:	Not determined.	Boiling Range:	Not determined.
LEL:	Not determined.	UEL:	Not determined.
Evaporation Rate:	Not determined.	Flammability:	Not determined.
Decomposition Temperature:	Not determined.	Auto-ignition Temperature:	Not determined.
Vapor Pressure:	Not determined.	Vapor Density:	Not determined.

SECTION 10. STABILITY AND REACTIVITY

Check all that apply		
Stability:	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Not Stable
Reactivity:	None known.	
Incompatibility (Materials to Avoid):	Strong oxidizing agents, alkalis, and heat.	
Hazardous Decomposition or Byproducts:	Combustion may produce oxides of carbon and/or nitrogen, hydrocarbons, and derivatives.	
Hazardous Polymerization:	<input type="checkbox"/> Will Occur	<input checked="" type="checkbox"/> Will Not Occur
Conditions to Avoid (Stability/Polymerization):	Open flame. Temperature > 200 °C.	

SECTION 11. TOXICOLOGICAL INFORMATION	
Acute Toxicity:	None known.
Eye Contact:	None known.
Skin Contact:	None known.
Inhalation:	None known.
Ingestion:	None known.
Carcinogenicity:	Non-hazardous by WHMIS/OSHA criteria.
NTP listed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
IARC listed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Chronic Toxicity:	None known.
OSHA STEL/PEL:	Glycerol CAS No.: 56-81-5 - 15 (dust); 5 (resp.) mg/m ³
ACGIH TLV:	Glycerol CAS No.: 56-81-5 - 10 mg/m ³

SECTION 12. ECOLOGICAL INFORMATION	
Toxicity: Information can be provided using test data performed on aquatic and/or terrestrial organisms.	There is no specific data available that this product has been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.
Persistence and degradability: Potential for the substance or the appropriate constituents of a mixture to degrade in the environment, either through biodegradation or other processes (e.g. oxidation, hydrolysis).	There is no specific data available for this product.
Bioaccumulative potential: Potential for the substance or certain constituents of a mixture to accumulate in biota and possibly pass through the food chain.	There is no specific data available for this product.
Mobility in soil: Potential of a substance or the constituents of a mixture, if released in the environment, to move to the groundwater or to a distance from the site of release.	There is no specific data available for this product.
Other adverse effects: Effects include environmental fate (exposure), ozone depletion potential, photochemical ozone creation potential, endocrine disrupting potential, and/or global warming potential.	There is no specific data available for this product. There are data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.

SECTION 13. DISPOSAL INFORMATION	
Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environment control regulations.
RCRA Waste Code:	Not regulated under RCRA, 40 CFR 261

SECTION 14. TRANSPORT INFORMATION	
UN Proper Shipping Name:	No information required.
UN Number:	No information required.
DOT Classification:	None.
Packing Group:	Not applicable.
USDOT - Highway:	Not regulated.
USDOT - Rail:	Not regulated.
IMDG - Vessel (Boat):	Not regulated.
IATA - Air:	Not regulated.

SECTION 15. REGULATORY INFORMATION	
US Federal Regulations:	United States inventory (TSCA 8b): Not determined.
General Product Information:	Not subject to TSCA regulation. Regulated as a personal care product by FDA.
Clean Air Act:	Contains no components defined by the Federal EPA as hazardous air pollutants.
Component Analysis:	No information is available.
Food & Drug Administration:	Complies with current FDA regulations for a personal care product.
State Regulations:	Check with the appropriate state agency to determine whether regulations exists.
General Product Information:	None identified.
Component Analysis:	IL, MA, NJ, PA, RI State RTK & Hazardous Notifications: Glycerin (as mist).
Other Regulations:	None identified.
Other Classifications:	None identified.
WHMIS (Canada):	Not controlled under WHMIS (Canada).
California Prop. 65:	None identified.
CERCLA:	No reportable quantities.
SARA Title III Section 311/312 Hazard class:	No reportable quantities.
SARA Title III Section 313 Chemicals:	This product contains none of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
TSCA:	The components of this product are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION	
Revision Date:	13-Apr-15
Legend:	N.A.-No Data Available N.E.-Not Established N.D.-Not Determined
HMIS (U.S.A.):	
Health Hazard:	Irritation or minor reversible injury possible: 1
Fire Hazard:	Materials must be preheated before ignition will occur. Includes liquids, solids and semi solids with flash point above 200 °F/93 °C: 1. Glycerin CAS No.: 56-81-5; 18-22%.
Reactivity:	Not determined.
Personal Protection:	Not determined.
National Fire Protection Association (U.S.A.):	
Specific Hazard:	Special Hazards: None
Reactivity:	Reactivity: 0
Flammability:	Flammability: 1
Health:	Health: 1
Disclaimer:	
<p>The information provided in this Material Safety Data Sheet is furnished without any warranty of any kind, expressed or implied. Information on this Data Sheet has been assembled by the manufacturer based on its own studies and the work of others, and is believed to be correct as of the date issued. However, no warranty of any kind is expressed or implied as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable, regardless of fault, to the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness or adequacy of the information herein. It is intended to assist in the normal safe usage of the product.</p>	