

Safety Data Sheet

Section 1: Identification of the Substance/Preparation and of the Company/Undertaking

Product Name: VITALGEL STRENGTH - Vitamin Enriches Soak-Off Gel

SDS Prepared: 1/24/2013

SDS Updated : 6/27/2016

Revision : 03

Product Use: Cosmetics

Manufacture: Hand & Nail Harmony

1545 Moonstone Brea, CA 92821

Emergency Phone Number: (800) 535-5053

Information Contacts: (714) 773-9758

Product #: 01150

Section 2: Hazards Identification

EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.



- May be slightly toxic.
- May cause moderate skin injury (reddening & swelling).
- May cause chemical burn in eye

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry	No specific information available.
Eye	Contains materials that are essentially nonirritating, but contact may cause slight transient irritation. Material may act as a Lachrymator (a substance which increases the flow of tears).
Skin	Contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Prolonged contact may cause blister formation (burns). Since irritation may not occur immediately, contact can go unnoticed.
Ingestion	May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation	May cause respiratory tract irritation with presence of monomer. Vapors may cause dizziness or suffocation.

NOTE: Refer to Section II, Toxicological Information for Details

Section 3: Composition/Information on Ingredients

INCI Name	CAS#	EINECS#	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Di-HEMA Trimethylhexyl Dicarbamate*	Exempt	N/E	N/E	N/E	Not Listed	50-70
HEMA	868-77-9	212-782-2	N/E	N/E	Not Listed	10-25
Hydroxypropyl Methacrylate	27813-02-1	248-666-3	N/E	N/E	Not Listed	10-25
Isobornyl Methacrylate	7534-94-3	231-403-1	N/E	N/E	Not Listed	5-10
Trimethylolpropane Trimethacrylate	3290-92-4	221-950-4	N/E	N/E	Not Listed	3-6

N/E - None Established

N/DA - No Data Available

* See section 16

N/R - Not Reviewed

N/A - Not Applicable

Polyurethane Acrylate Oligomer:	Hazard Symbol: Xi	Risk Phrases: R36/37/38	Safety Phrases: S14, S37, S62
2-Hydroxy ethyl methacrylate:	Hazard Symbol: Xi	Risk Phrases: R36/38, R43	Safety Phrases: S2, S26, S28
Hydroxypropyl Methacrylate:	Hazard Symbol: Xi	Risk Phrases: R11, R36/37/38, R43	Safety Phrases: S26, S36/37
Isobornyl Methacrylate	Hazard Symbol: Xi	Risk Phrases: R36/37/38/R43	Safety Phrases: S26, S27, S28, S29, S30, S33, S35, S36
Trimethylolpropane Trimethacrylate	Hazard Symbol: Xi	Risk Phrases: R36/37/38/	Safety Phrases: S26

See Section 16 for Risk and Safety Phrase Key

Section 4: First Aid Measures

First Aid for Eye	Flush with plenty of water for 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately
First Aid for Skin	Remove contaminated clothing and wash contact area with soap and water for 15 minutes.
First Aid for Inhalation	In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.
First Aid for Ingestion	If appreciable quantities are swallowed seek medical attention.

Section 5: Fire Fighting Measures

Flash Point (°F/ °C) > 212°F/ 100 °C Setofflash	Flammable Limit (vol%) No Data	Auto-ignition Temperature (vol%) No Data
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Method:	
Extinguishing Media:	Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.
Fire Fighting Instructions:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.
Unusual Hazards:	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.

Section 6: Accidental Release Measures

Spill or Release Producers:	Spontaneous polymerization can occur. Eliminate ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Dike and recover large spills. Soak up small spills with inert solids (such as vermiculite, clay) and sweep/shovel into disposal container. Wash spill area with strong detergent and water solution; rinse with water, but minimize water use during clean-up. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. Dispose and report per regulatory requirements if necessary. Please prevent washings from entering waterways.
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Section 7: Handling and Storage

Handling:	Avoid contact with skin and eyes, and clothing. Avoid breathing vapor. Keep container closed when not in use. Avoid prolonged exposure to light. Remove all contaminated clothing, shoes, belts and other leather goods immediately. Incinerate leather goods (including shoes). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should NOT be used skin because of increased penetration potential Most Acrylic Monomers have low viscosities, thus only needing room temperatures conditions to facilitate proper pouring techniques. However, Viscous types gels such as these may required heating to facilitate proper pouring techniques. To ensure that this happens, product may be heated to 60°C/140°F for not more than 24 hrs. Do NOT use localized heat sources such as band heaters to heat/melt product. Do NOT use steam. Hot boxes or hot rooms are recommended for heating/melting material. The box and/or room should only be set a maximum temperature of 60°C/140°F Do NOT overheat, this may compromise product effectiveness and should be avoided. Refrain from multiple reheating of product, this will also diminishing the quality of the product.
Storage:	Product is extremely light sensitive. If exposed to natural light, LED, UVA, UVB or UV any light, material will cure very quickly. Store in a cool, dry place, away from heat and all types of light. Store at temperatures below 100°F/38°C but above the product's freezing point. If no freezing point is given, keep above 32°F/0°C at all times.
Explosion Hazard:	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers.

Section 8: Exposure Controls / Personal Protection

Engineering Controls	Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.
Personal Protective Equipment	
General:	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product. Provide eye stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.
Eye / Face Protection:	Wear chemical splash goggles.
Skin Protection:	Wear impervious gloves (Neoprene)
Respiratory Protection:	A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by nuisance level organic vapor dust masks can be used, however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149.

Section 9: Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	%Volatile		
Clear, to slight violet-viscous liquid	characteristic acrylate odor	NA	(H2O=1): 1.15	N/DA	By Volume: <0.5		
Boiling Point/Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
N/A	N/A	N/A	(mm Hg) @ 20 C:<0.01	No Data	No Data	No Data	Insoluble
Flash Point (°F/ °C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)					
>212 °F/100°C Setofflash	No Data	No Data					

Section 10: Stability and Reactivity

Stability	Incompatibility (Material to Avoid):
Normally Stable	Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.
Hazardous Decomposition Products:	Hazardous Polymerization:
Fumes produced when heated to	May occur --- Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could

decomposition may include: result in violent rupture of sealed storage vessels or containers.

carbon monoxide, carbon dioxide

Conditions to Avoid:

Storage > 100°F/38°C, exposure to light, loss of dissolved air, loss of polymerization, contamination with incompatible materials.

Section 11: Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
No information available	No information available	No information available	No information available	No information available

Since this product contains a very low concentration of active components, the primary toxicological information is derived from oligomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

Sensitization	Mutagenicity	Sub-chronic Toxicity
No Data Available	No Data Available	No Data Available

Section 12: Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
No Data Available	No Data Available	No Data Available	No Data Available	No Data Available

Chemical Fate Information

Biodegradability	No Data Available
Chemical Oxygen Demand	No Data Available

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated.

Do not allow to enter drinking water supplies, wastewater, or soil.

Section 13: Disposal Considerations

Non- Contaminated, properly inhibited product is not a RCRA hazardous waste. It is regulators responsibility to determinate what is classified as a hazardous waste.

Comply with all federal, state and local regulations.

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

Section 14: Transport Information

DOT (49 CFR 172)

Proper Shipping Name: Non-Regulated Material
 Identification Number: N/A
 Marine Pollutant: No
 Special Provisions: N/A
Emergency Response Guidebook (ERG) #: N/A

IATA (DGR):

Proper Shipping Name: Non-Regulated Material
 Class or Division: N/A
 UN or ID Number: N/A

Packaging Instructions:

Emergency Response Guidance (ICAO)#:

IMO (IMDG):

Proper Shipping Name: Non-Regulated Material
 Class or Division: N/A
 UN or ID Number: N/A
 Special Provisions & Stowage/Segregation: None

Emergency Schedule (Ems)#:

Other Information: Flash point > 100°C

Section 15: Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act: <ul style="list-style-type: none"> NONE This product contains no ODS
Clean Water Act: Priority Pollutant	This product does not contain any substances that are a Priority Pollutant or Toxic Pollutant under the CWA
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard. Its hazards are: <ul style="list-style-type: none"> Immediate (acute) health hazard Delayed (chronic) health hazard Reactive hazard
RCRA	This product is not considered to be a hazardous waste under RCRA (40 CFR 261)
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List).

SARA Title III: Section 311-312:	This product is considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: <ul style="list-style-type: none"> • Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
SARA Title III: Section 313:	This product contains the following 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: <ul style="list-style-type: none"> • NONE
TSCA Section 8(b) Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals in this material have a SNUR under TSCA.


State Regulations

CA Right-to-Know Law:	NONE
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know Law:	NONE
MN Right-to-Know Law:	NONE

International Regulations

CDSL: Canadian Inventory	Hydroxypropyl methacrylate CAS #27813-02-1 is on the DSL List. WHMIS = D2B. Hydroxycyclohexyl phenyl ketone CAS #947-19-3 is on the DSL List. WHMIS = n/da 2-Hydroxyethyl methacrylate CAS# 868-77-9 is on the DSL List. WHMIS = n/da Isobornyl Methacrylate CAS# 7534-94-3 is on the DSL List. WHMIS= n/da Trimethylolpropane Trimethacrylate esters CAS # 3290-92-4 is on DSL List. WHMIS= n/da
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Labeling according to EC Directives - 1999/45/EC

European Community: 	Vitagel <ul style="list-style-type: none"> • HAZARD SYMBOLS: Xi: Irritant • RISK PHRASES: R22: Harmful if swallowed, R36/38: Irritating to eyes, respiratory system, and skin, R43: May cause sensitization by skin contact. • SAFETY PHRASES: S18: Handle and open container with care, S24/25: avoid contact with skin and eyes, S36/37: Wear suitable protective clothing and gloves, S38: in case of insufficient ventilation, wear suitable respiratory equipment.
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EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

Hazard Symbols:

Xi - Irritants

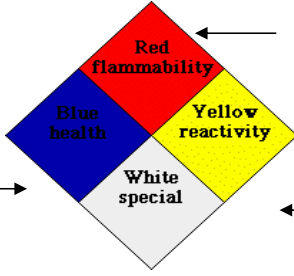

Risk Phrases:

R36/37/38 Irritating to eyes, respiratory system and skin; R36/38 Irritating to eyes and skin; R43 May cause sensitization by skin contact

Safety Phrases:

S2 Keep out of reach of children; S3/7 Keep container tightly closed in a cool place; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S27 Take off immediately all contaminated clothing; S28 After contact with skin, wash immediately with plenty of water; S29 Do not empty into drains; S30 Never add water to this product; S33 Take precautionary measures against static discharges; S35 This material and its container must be disposed of in a safe way; S36 Wear suitable protective clothing; S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label; 36/37 Wear suitable protective clothing and gloves; S62 If swallowed, do not induce vomiting; seek medical advice immediately and show the container or label.

Section 16: Other Information

NFPA: 	HMIS: 
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