



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

Safety Data Sheet

VST-50 HD

Revision Date: 03/18/2020

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name VerSilTal Silicone Elastomer

Product Code VST-50 HD

Intended Use(s) For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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EMERGENCY TELEPHONE NUMBERS

928- 368-7502

SECTION 2: HAZARD(S) IDENTIFICATION

Hazard classification:

Label elements

Hazard symbol

No symbol

Signal word

No signal word

Hazard Statement

Titanium dioxide:

When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use.

Precautionary Statements

Prevention

Not applicable

Response

Not applicable

Storage

Not applicable

Disposal

Not applicable

Other hazards with do not result in GHS classification

No data available



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

General information: Mixture of Polyorganosiloxanes, fillers, additives.

SECTION 4: FIRST-AID MEASURES

General information	For further information refer to Section 8 "Exposure-controls/ personal protection"
Ingestion	Do NOT induce vomiting, Rinse mouth thoroughly Get medical attention if symptoms occur.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing
Eye contact	In the event of contact with the eyes, rinse thoroughly with clean water for at least 15 minutes. Get medical attention if irritation persists after washing.
Most important symptoms/effects, acute and delayed	
Symptoms	None Known
Hazards	No specific recommendations
Indication of any immediate medical attention and special treatment needed	
Treatment	No specific recommendations.

SECTION 5: FIRE-FIGHTING MEASURES

General Fire Hazards	No specific recommendations
Extinguishing media	
Suitable extinguishing media	Water spray, dry powder or carbon dioxide.
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	
Product will burn under fire conditions. Hazardous Decomposition Products: formaldehyde, oxides of carbon and silica.	
Special fire fighting procedures	Water spray should be used to cool containers



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Special protective equipment for fire-fighters

Firefighters should wear standard protective equipment and a positive pressure self-contained breathing apparatus (SCBA)

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

Methods and materials for containment and cleanup

Absorb with sand or other inert absorbent and place into containers

Notification Procedures

Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

No special precautions. See section 8 of the SDS for Personal Protective Equipment.

Conditions for safe storage, including any incompatibilities

No special storage precautions noted.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Titanium Dioxide: When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use.

Appropriate Engineering Controls

No specific recommendations

Individual protection measures, such as personal protective equipment

General information

Provide sufficient ventilation during operations which cause vapor formation

Eye/Face

Safety glasses



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Skin protection

Hands

Other

Protective gloves recommended

Wear suitable protective clothing

Respiratory

No protection is ordinarily required under normal conditions of use and with adequate ventilation

Hygiene measures:

Always observe good personal hygiene measures, such as swashing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance

Physical state

Liquid

Form

Viscous

Color

Blue

Odor

Slight

Odor threshold

No data available

pH

Not applicable

Freezing point

No data available

Boiling point

No data available

Flash point

>392°F (200°C) (Closed Cup)

Evaporation rate

No data available

Flammability (solid, gas)

No data available

Flammability limit -upper (%)

No data available

Flammability limit -lower (%)

No data available

Vapor pressure

No data available

Vapor density

No data available

Density

Approximate 1 kg/dm³ (68°F (20°C))

Solubility(ies)

Solubility in water

Insoluble

Solubility (other)

Acetone: Very slightly soluble

Ethanol: Very slightly soluble

Diethylether: Miscible (in all proportions)

Aliphatic hydrocarbons: Miscible (in all portions)

Aromatic hydrocarbons: Miscible (in all proportions)

Chlorinated solvents: Miscible (in all proportions)

Partition coefficient (n-octanol/water)

No data available

Self ignition temperature

>752°F (400°C)

Decomposition temperature

No data available

Viscosity

10,000 mm²/s



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Other information

According to the data on the components Not
considered as oxidizing. (according to EC criteria)

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable
Possibility of Hazardous reactions	Will not occur
Conditions to avoid	No other information noted
Incompatible materials	Strong oxidizing agents

Hazardous Decomposition Products

This product can form formaldehyde vapors when heated to temperatures above 150°C in the presence of air. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion	Not classified for acute toxicity based on available data
Inhalation	Not classified for acute toxicity based on available data
Skin contact	Not classified for acute toxicity based on available data
Eye contact	Not classified for acute toxicity based on available data

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion	No data available
Inhalation	No data available
Skin contact	No data available
Eye contact	No data available

Information on Toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product	No data available
Dermal Product	No data available
Inhalation Product	No data available

Repeated dose toxicity Products

No effects expected (assessment based on ingredients).

Skin Corrosion Product

No effects expected (assessment based on ingredients).



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Serious Eye Damage/Eye Irritation Product

No effects expected (assessment based on ingredients).

Respiratory or Skin Sensitization Product

No effects expected (assessment based on ingredients).

Carcinogenicity Product

No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

Titanium dioxide

US. National Toxicology Program (NTP) Report on Carcinogens

No carcinogenic components identified

US. OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product

No effects expected (assessment based on ingredients)

In vivo Product

No effects expected (assessment based on ingredients)

Reproductive toxicity Product

No effects expected (assessment based on ingredients)

Specific Target Organs Toxicity – Single exposure product

No effects expected (assessment based on ingredients)

Specific Target Organs Toxicity – Repeated exposure product

No effects expected (assessment based on ingredients)

Aspiration Hazard products

No effects expected (assessment based on ingredients)

Other effects

None known

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Acute hazards to the aquatic environment

Fish Product

No effects expected (assessment based on ingredients)

Aquatic Invertebrates Products

No effects expected (assessment based on ingredients)



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Chronic hazards to the aquatic environment

Fish Products

No effects expected (assessment based on ingredients)

Aquatic Invertebrates Product

No effects expected (assessment based on ingredients)

Toxicity to Aquatic Plants Products

No effects expected (assessment based on ingredients)

Persistence and Degradability

Biodegradation products

This product is not readily biodegradable

BOD/COD Ratio products

No data available

Bioaccumulative potential

Bioconcentration Factor (BCF)

This product is not bioaccumulating

Partition Coefficient n-octanol/water (log Kow) Products

No data available

Mobility in soil

No data available

Other adverse effects

None Known

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions

Disposed of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated packages should be as empty as possible

SECTION 14: TRANSPORT INFORMATION

This product is not subject to transport regulations

Environmental hazards

Not regulated

Special precautions for user

No special precautions



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SECTION 15: REGULATORY INFORMATION

US Federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities

CERCLA Hazardous Substance List (40 CFR 302.4)

None present or none present in regulated quantities

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

___ Acute (Immediate) ___ Chronic (Delayed) ___ Fire ___ Reactive ___ Pressure Generating

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities

SARA 304 Emergency Release Notification

None present or none present in regulated quantities

SARA 313 (TRI Reporting)

None present or none present in regulated quantities

Clean Water Act Section 311 Hazardous substance (40 CFR 117.3)

None present or none present in regulated quantities

Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68, 130)

None present or none present in regulated quantities

US State regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity Titanium dioxide

US. Massachusetts RTK – Substance List

No ingredient regulated by MA Right-to-Know Law present

US. Pennsylvania RTK – Hazardous Substances

Chemical Identity Titanium dioxide

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present



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Inventory Status

Australia AICS	On or in compliance with the inventory
Canada DSL Inventory	On or in compliance with the inventory
EINECS, ELINCS or NLP	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI)	On or in compliance with the inventory
Phillipines PICCS	On or in compliance with the inventory
US TSCA Inventory	On or in compliance with the inventory
New Zealand Inventory of Chemicals	On or in compliance with the inventory

SECTION 16: OTHER INFORMATION

HMIS III:

Health	1- Slight
Flammability	1- Slight
Physical Hazards	0 – Minimal
Personal Protection	B – Safety Glasses & Gloves

NFPA:

Health	1- Slight
Flammability	1- Slight
Reactivity	0 – Minimal
Special hazard	

DISCLAIMER / STATEMENT OF LIABILITY:

Factor II, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and/or fire prevention as necessary or appropriate to the use and understanding of the data contained in this SDS.

To promote safe handling each customer or recipient should 1) notify and furnish its employees, agents, contractors, customers and/or others whom it knows or believes will use this material of the information regarding hazards or safety, and 2) request its customers to notify their employees, customers and other users of the product of this information.