

# Exterior Enhance and Seal

# SAFETY DATA SHEET

SDS Preparation Date (mm/dd/yyyy): 08/15/2022

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

## SECTION 1. PRODUCT AND COMPANY INFORMATION

TRADE NAME: Exterior Enhance and Seal  
RECOMMENDED USE OF PRODUCT: Apply onto various surfaces to promote water repellency.  
MANUFACTURER: VanHearron Inc.  
410 S. Coker  
Greenwood, AR 72936  
PRODUCT INFORMATION : 479-255-6101  
TRANSPORT EMERGENCY : CHEMTREC: 1-800-424-9300

## SECTION 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION  
PHYSICAL HAZARDS Flammable - Category 2  
HEALTH HAZARDS Skin Irritation/Corrosion – Category 3  
Serious Eye Damage/Eye Irritation – Category 2B  
ENVIRONMENTAL HAZARDS Not Classified  
GHS LABEL ELEMENTS  
PICTOGRAMS



SIGNAL WORDS Danger  
HAZARD STATEMENTS H225: Highly flammable liquid and vapour  
H316 - Causes Mild Skin Irritation  
H320 - Causes Eye Irritation  
PRECAUTIONARY STATEMENTS  
[PREVENTION] P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment  
P241: Use explosion-proof electrical/ventilating/light/.../equipment  
P242: Use only non-sparking tools  
P243: Take precautionary measures against static discharge  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
[RESPONSE] P305+351+338: IF IN EYES – Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P370+378: In case of fire, use an Class ABC dry extinguisher for extinction  
P337+313-If eye irritation persists: Get medical advice/attention.  
P264-Wash hands thoroughly after handling.  
P332+313-If skin irritation occurs: Get medical advice/attention.  
[STORAGE] P403+P235-Store in a well-ventilated place. Keep cool.  
[DISPOSAL] P501-Dispose of contents/container through a waste management company authorized by the local government.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture	Mixture	
Hazardous Ingredients	CAS#	Percentage (%)
Methylmethoxy siloxane with methyl Silsesquioxane	68037-85-4	10-15
Decamethylcyclopentasiloxane	541-02-6	10-15
3-glycidoxypropyltrimethoxysilane	2530-83-8	5-10
Tetra n-butyl titanate	5593-70-4	1-3

## SECTION 4. FIRST-AID MEASURES

INGESTION: Seek medical attention; Do NOT induce vomiting.  
 SKIN CONTACT: Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water.  
 INHALATION: No first aid should be needed. Remove to fresh air.  
 EYE CONTACT: Immediately flush with COOL water for 15 minutes; Call a physician if irritation persists.  
 PROTECTION FOR FIRST-AIDERS: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles

**SECTION 5. FIRE-FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical  
 SPECIFIC FIRE HAZARDS: Fire will form hazardous combustion gases of Carbon dioxide(CO<sub>2</sub>), Carbon Monoxide(CO), and Nitrogen Oxides(NO<sub>x</sub>) Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150oC. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard  
 FIREFIGHTER EQUIPMENT: Wear respirator and all protective coverings.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECATIONS, PROTECTIVE EQUIPMENT AND EMERGENCY: Flammable. Keep all sources of ignition away from spill/release. Safety glasses and gloves are suggested to prevent eye and skin contact. Provide sufficient ventilation.  
 ENVIRONMENTAL PRECAUTIONS: Prevent product from entering drains.  
 CLEAN UP: Absorb spilled material with suitable absorbent (e.g. rag, dry sand, clay absorbent) and disposed of, in accordance with appropriate laws and regulations.

**SECTION 7. HANDLING AND STORAGE**

HANDLING: Wear protective equipment; Use in a well-ventilated area; Avoid contact with skin and eyes. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.  
 Use explosion-proof electrical/ventilating/light/.../equipment.  
 STORAGE: Keep container tightly closed. Store in a cool, dry place, well ventilated place. Keep away from oxidizing material, heat, and all sources of material.

**SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION**

EXPOSURE LIMITS:		
Hazardous Ingredient	CAS#	Limit/Set by
Decamethylcyclopentasiloxane	541-02-6	10ppm TWA/ Dow Corning guide
Methanol; decomposition product	67-56-1	200 ppm 8hr TWA *PEL/ OSHA

\*PEL/OSHA = Permissible Exposure Limit/ Occupational Safety and Health Administration

ENGINEERING CONTROLS: Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath

PERSONAL PROTECTIVE EQUIPMENT:  
 RESPIRATORY PROTECTION: Vapor respirator. Follow local and national regulations.  
 HAND PROTECTION: Protective gloves  
 EYE PROTECTION: Wear safety glasses or goggles. Face shield if situation requires  
 SKIN AND BODY PROTECTION: Protective clothing if situation requires

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid  
 ODOR: Aromatic  
 ODOR THRESHOLD: Not Available  
 pH: Not Available  
 MELTING POINT: Not Available  
 BOILING POINT RANGE: Not Applicable, will decompose before it will boil  
 FLASH POINT: 50oF  
 EVAPORATION RATE: Not Available  
 FLAMMABILITY(solid/gas): Not Available  
 EXPLOSION LIMITS:  
 UPPER: Not Available  
 LOWER: Not Available  
 VAPOR PRESSURE: Decamethylcyclopentasiloxane: 0.12kPa @ 25C  
 VAPOR DENSITY: Not Available  
 RELATIVE DENSITY: 1.0 g/mL  
 SOLUBILITY: Not soluble in water

PARTITION COEFFICIENT: N-  
 OCTANOL/WATER: Not Available  
 AUTO-IGNITION TEMPERATURE: Not Available  
 DECOMPOSITION  
 TEMPERATURE: >150oC  
 VISCOSITY: 30 cS

**SECTION 10. STABILITY AND REACTIVITY**

REACTIVITY: Product is designed to react with moisture in the air.  
 CHEMICAL STABILITY: Stable in the absence of contamination or moisture  
 HAZARDOUS REACTIONS: Upon contact with water, the product will release methanol, which have some health ramifications associated with it. SEE TOXICOLOGICAL INFORMATION.  
 CONDITIONS TO AVOID: Avoid contact with water and strong acid. Keep away from sources of heat as well as sources of ignition.

**HAZARDOUS DECOMPOSITION**

PRODUCTS: Hazardous combustion gases of Carbon dioxide(CO2), Carbon Monoxide(CO), and Nitrogen Oxides(NOx)  
 Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150 C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard  
 INCOMPATIBILITY: Water, acids, alkalis, iron, may react violently with electrophiles such as ferric chloride

**SECTION 11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY: Decamethylcyclopentasiloxane  
 Inh. – LC50(Rat): 36mg/L 4Hr Vapor/Aerosol  
 Oral – LD50(Rat): >2000mg/kg  
 Methanol; decomposition product  
 Inh. – LD50(Rat): 64000ppm/4Hr  
 Oral – LD50(Rat): 5.628g/kg  
 SKIN CORROSION/IRRITATION: May cause skin irritation  
 EYE DAMAGE/IRRITATION: Risk of serious damage to eyes. Contains ingredients that will hydrolyses on contact with moisture leaving solid polymeric silicone and titanium compounds deposited on the eye  
 RESPIRATORY OR SKIN SENSITATION: Not Available  
 GERM CELL MUTAGENICITY: Not Available  
 CARCINOGENICITY: Not Available  
 REPRODUCTIVE TOXICITY: Not Available  
 STOST- SINGLE EXPOSURE: Not Available  
 STOST- REPEATED EXPOSURE: Category 2 hazard– for Methanol; decomposition product: May cause conjunctivitis, dizziness, sleeplessness, and gastrointestinal and optical disturbances.  
 ASPIRATION HAZARD: Not Available

**SECTION 12. ECOLOGICAL INFORMATION**

ECOTOXICITY: Do not allow to enter soil, waterways or waste water canal. It is not allowed to be released into biological sewage treatment plants. Ecological data is not available.  
 PERSISTENCE/DEGRADABILITY: Low molecular weight volatile siloxanes, i.e. decamethylcyclopentasiloxane, in air are degraded by reaction with hydroxyl radicals, which is the dominant degradation process for most chemicals in the atmosphere.  
 BIOACCUMULATIVE POTENTIAL: Decamethylcyclopentasiloxane: BCF - 5300  
 MOBILITY IN SOIL: Decamethylcyclopentasiloxane: log Pow: 5.2  
 Soil adsorption (Koc): 16000  
 Henry's Law constant(PaM3/mol): 4.1 x 104

**SECTION 13. DISPOSAL CONSIDERATION**

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

**SECTION 14. TRANSPORT INFORMATION**

UN/NA Number:	UN1993.	
DOT SHIPPING NAME:	“FLAMMABLE LIQUID N.O.S. – Silicone Mixture Contains Decamethylcyclopentasiloxane and Methanol”	
DOT HAZARD CLASS:	Flammable Liquid.	

IMDG – P.S.N.:	FLAMMABLE LIQUID N.O.S. (Decamethylcyclopentasiloxane, Methanol)	
IMDG – CLASS:	Class 3	
IMDG – PACKING GROUP:	PGIII	
IMDG – Marine Pollutant:	No	
IATA - P.S.N.:	FLAMMABLE LIQUID N.O.S. (Decamethylcyclopentasiloxane, Methanol)	
IATA - CLASS:	Class 3	
IATA – PACKING GROUP:	PGIII	
This product and its ingredients are NOT considered dangerous goods according to the UN Model Regulations, ADR, RID, and the ADN.		

### SECTION 15. REGULATORY INFORMATION

#### US REGULATIONS

US SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Section 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

Hazardous Ingredient	SARA 302 (40 CFR 355, Appendix A)	SARA 304 (40 CFR Table 302.4)	SARA 313 (40 CFR 372.65)
Methylmethoxy siloxane with methyl silsesquioxane	No	No	No
Decamethylcyclopentasiloxane	No	No	No
3-glycidoxypropyltrimethoxysilane	No	No	No
Tetra n-butyl titanate	No	No	No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs(4,540 kg) therefore applies, per 40 CFR 370.20

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

SARA 311/312(40 CFR 370) HAZARDS: Acute: Yes, Chronic: Yes, Fire: Yes, Pressure: No

CALIFORNIA, (PROPOSITION 65): Neither this product nor its ingredients are listed

TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

#### CANADIAN REGULATIONS

CANADIAN DSL/NDSL INVENTORY: The components of this product are on the DSL or NDSL Inventories.

CANADIAN WHMIS CLASSIFICATION: Class B Division 2, Class D Division 2B

CANADIAN INGREDIENT DISCLOSURE LIST: No components listed

#### EUROPEAN ECONOMIC COMMUNITY INFORMATION

<u>Hazardous Ingredients</u>	<u>EINECS#</u>
Methylmethoxy siloxane with methyl silsesquioxane	Not Available
Decamethylcyclopentasiloxane	208-764-9
3-glycidoxypropyltrimethoxysilane	219-784-2
Tetra n-butyl titanate	227-006-8

#### AUSTRALIAN REGULATIONS

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES(AICS) STATUS: The components of this product are listed on the AICS except:

Hexyltrimethoxysilane

HAZARDOUS SUBSTANCES INFORMATION SYSTEM: No components of this product are listed by the Hazardous Substances Information System as a Hazardous Substance

### SECTION 16. OTHER INFORMATION

Because the product is a mixture, the majority of the data used was transferred from the safety data sheets of the product's hazardous ingredients, whose manufacturer identity we wish to remain anonymous for competitive reasons.

Section 8 Exposure Limits attained from [www.osha.gov](http://www.osha.gov) , [www.aiha.org](http://www.aiha.org) and [www.dowcorning.com](http://www.dowcorning.com) .

We believe the above information is correct as of the date of this SDS. However, as this information and the conditions under which the product are used are beyond the control of Vanhearron Inc., it is the user's obligation to determine the conditions for the safe use of the product. No warranty, expressed or implied, is hereby made.