Section 1:

PRODUCT AND COMPANY INFORMATION

Product Name:	Water Shield
Product Code:	1503, 1604, 1507
Brand:	Obenauf's
Identified Uses & Restrictions:	Fabric or suede water shield, waterproofing, surfactant (except in European Union, Switzerland, Norway and Iceland)
Supplier of Safety Data Sheet:	Obenauf's Inc.
Company Name and Address:	72 Frontage Rd Grangeville ID 83530 USA
Telephone:	(208)486-6640
Fax:	(208)486-6115
Emergency Telephone Number:	(208)486-6640

Section 2:

HAZARD IDENTIFICATION

Classification of Substance or Mixture: Classification according to OSHA Hazard Communication Standard 29CFR 1910.1200.

Hazard Pictogram

GHS Label Elements

Signal Word: WARNING!

Hazard Statements:
- H361 Suspected of damaging fertility or the unborn child. Category 2
- H413 May cause long lasting harmful effects to aquatic life. Category: Chronic 4, No acute toxicity
- H227 Combustible liquid. Category 4

Precautionary Statements:

Prevention:
- P101 If medical advice needed, have container or label on hand
- P102 Keep out of reach of children
- P261 Avoid breathing dust/fume/gas/vapors/spray
- P264 Wash hands thoroughly after handling
- P270 Do not eat, drink, or smoke when using this product
- P271 Use only outdoors or in a well ventilated area
- P273 Avoid release to the environment
- P281 Use personal protective equipment as required

Response:
- P308+P313 If exposed or concerned: Get medical advice/attention
- P370+P378 In case of fire: Use dry chemical or water spray to extinguish

Storage:
- P403 + P235 Store in well-ventilated place. Keep cool.

Disposal:
- P501 Dispose of contents and containers in accordance with all local, regional, national and international regulations

Section 3:

COMPOSITION / INFORMATION ON INGREDIENTS

Mixture — International Chemical Safety Cards by CDC

Octamethyl cyclotetrasiloxane (D4)	CAS No: 556-67-2	EINECS No: 209-136-7
	Concentration less than 25%	
Water (H_2O)	CAS No: 7732-18-5	Concentration more than 75%

Section 4:

FIRST AID MEASURES

General information:	Responders, use recommended protective clothing. See Section 8 for specifics.
If Inhaled:	Move person to fresh air. If any symptoms, consult a physician.
In Case of Skin Contact:	No health effects expected. If irritation does occur flush with water for several minutes. If irritation persists, obtain medical advice.
In Case of Eye Contact:	Flush eyes with water for several minutes. If symptoms occur, seek medical advice.
If Swallowed:	Rinse out mouth, drink plenty of water. No emergency medical treatment necessary. No specific antidote.
Symptoms and Effects:	Additional symptoms and effects described in Section 11: Toxicology Information
Risks:	Refer to section 2.2 "Hazard statements"
Medical Attention or Treatment Needed:	Treat according to person's condition and specifics of exposure

Section 5:

FIREFIGHTING MEASURES

Extinguishing Media:	On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide (CO_2), dry chemical or water spray. Water can be used to cool fire exposed containers.
Unsuitable Extinguishing Media:	Direct stream from high volume water jet
Advice For Firefighters:	Wear self-contained breathing apparatus and protective clothing in fighting large chemical involved fires. Collect contaminated fire extinguishing water separately. Do not discharge into drains. Dispose of in accordance with local regulations.
Fire and Explosion Hazard:	Vapors may form explosive mixtures with air
Hazardous Combustion Products:	Carbon oxides, Silicon oxides

Section 6:

ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment	Remove all sources of ignition. For personal protection recommended see section 8.
Environmental Precautions:	Contain liquid and prevent from entering waterways. Local authorities should be advised if significant spillage cannot be contained.
Methods and Materials for Containment and Cleaning Up:	Use inert absorbent material. Clean area as appropriate since spilled materials present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of used absorbent appropriately following local, state, and federal laws.
Reference to Other Sections:	For full disposal see section 13

Section 7:

HANDLING AND STORAGE

Precautions for Safe Handling:	Use with adequate ventilation. Avoid breathing vapor, mist, or fumes. Do not swallow. Avoid eye contact. Avoid prolonged or repeated contact with skin. Keep away from heat and sources of ignition. Minimize release to the environment.
Conditions for Safe Storage:	Prevent from freezing at temperatures between 40 - 110^{o}F in a well-ventilated place. Keep away from heat & ignition sources.
Incompatibles	Strong oxidizing agents, organic peroxides, pyrophoric liquids & solids, explosives, gases, flammable solids.
Comments:	Read label before use. Keep out of reach of children.

Section 8:

EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters	Octamethylcyclotetrasiloxane #556-67-2
Component Exposure Limits:	US WEELs TWA 10 ppm
Engineering Controls:	Use local exhaust ventilation
Exposure Controls	
Appropriate Engineering Controls:	General industrial hygiene practice
Personal Protective Equipment Eye / Face Protection:	Safety glasses for routine handling. Use full face respirator tested and approved under appropriate government standards such as OSHA or NIOSH (US) or EN 166 (EU) for large spills.
Skin Protection:	Gloves, non-slip boots. Wear body-covering clothing. Wash at mealtime & end of shift
Respiratory Protection:	For most conditions no respiratory protection should be needed. If discomfort is experienced use full face respirator, follow OSHA respirator regulations and use NIOSH/MSHA approved respirators. The following should be effective air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

Section 9:

PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance:	**Form:** Liquid **Color:** White
Upper / Lower Flammability Limits:	Not determined
Odor:	Odorless
Vapor Pressure:	No data available
Odor threshold:	Not determined
Vapor Density:	No data available
$_{P}$H:	No data available
Relative Density:	No data available
Melting Point / Freezing Point:	Not determined
Water Solubility:	Soluble
Initial Boiling Point and Boiling Range:	No data available
Flash Point:	>164^{o} F or (73^{o} C)
Evaporation Rate:	No data available
Flammability (solid, gas):	Not applicable
Partition Coefficient (n-octanol / water):	log Pow 6.49 measured
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
Explosive Properties:	Not explosive
Oxidizing Properties:	The substance or mixture is not classified as oxidizing

Section 10:

STABILITY AND REACTIVITY

Reactivity:	Not classified as reactivity hazard. See section 16 for HMIS rating
Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	Can react with strong oxidizing agents, flammable liquid & vapor
Conditions to Avoid:	Store away from oxidizing agents. Keep away from heat, sparks, flames, sunlight.
Incompatible Materials:	Strong acids and oxidizing material can cause a reaction

Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: formaldehyde.
Hazardous Polymerization:	Will not occur

Section 11:

TOXICOLOGICAL INFORMATION

Information on Toxicological Effects — Mixture has not been tested as a whole

Results from a 2 year repeated vapor inhalation exposure study to rats of octamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female rats. This finding occurred at the highest exposure dose, 700 ppm, only.

Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans.

Repeated exposure in rats to D4 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation, the relevance to humans is unknown.

Based on available information on its potential to cause harm to human health, Health Canada, has concluded that D4 is not entering the environment in a quantity or concentration or under conditions that constitute or may constitute a danger in Canada to human life or health.
(https://www.canada.ca/en/environment-climate-change/services/canadian-environmental-protection-act-registry/publications/consultation-document-octamethylcyclotetrasiloxane/chapter-1.html)

Oral Toxicity:	Very low toxicity if swallowed. Harmful effect not anticipated in small amounts.
Dermal Toxicity:	Prolonged skin contact is unlikely to result in absorption of harmful amounts
Inhalation Toxicity:	No adverse effects are anticipated from single exposure to mist. Excessive exposure may cause irritation to upper respiratory tract (nose and throat).
Skin Corrosion / Irritation:	Brief contact is essentially nonirritating to skin
Serious Eye Damage / Eye Irritation:	Essentially nonirritating to eyes
Respiratory or Skin Sensitization:	No relevant data found
Aspiration Hazard:	Based on available information, aspiration hazard could not be determined
Germ Cell Mutagenicity:	In vitro genetic toxicity studies were negative
Carcinogenicity:	No. Relevance of animal study findings to humans is unknown.
IARC MONOGRAPHS: International Agency for Research on Cancer	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC
NTP: National Toxicology Program	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
OSHA: Occupational Safety & Health Admin	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive Toxicity:	(D4) CAS No 556-67-2 Vapor inhalation of 700 ppm Evidence of reproductive effects in laboratory animals
Specific Target Organ Toxicity-Single Exposure:	Evaluated data suggests this material is not an STOT-SE toxicant
Specific Target Organ Toxicity-Repeated Exposure:	Testing reported to cause effects to animals: liver, kidney, respiratory tract, female reproductive organs

Section 12:

ECOLOGICAL INFORMATION

Toxicity Ecotoxicity:	CAS #556-67-2 (D4)	Not categorized as acute aquatic hazard by GHS criteria 4.1.2 GHS Category Chronic 4 (see Section 2)

Persistence and Degradability:	Substance #556-67-2 (D4) expected to biodegrade very slowly in the environment. EU classified vPvB: very persistent and very bio accumulative.
Bio-accumulative Potential:	Bioconcentration potential is high
Mobility in Soil:	Expected to be relatively immobile in soil
Other Adverse Effects:	No data available

Section 13:

DISPOSAL CONSIDERATIONS

Waste Treatment Methods	Not a dangerous mixture. Wastewater treatment plants are efficient in removing D4.
Product Waste Treatment Methods:	Dispose of product in accordance with local and national regulations. Do not contaminate sewer, ponds, waterways or ditches with product or used container. Authorize before incineration. Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.
Packaged Whole Product:	Dispose of as unused product in accordance with local and national regulations. Do not dispose with household garbage. Send to licensed recycler, reclaimer, or incinerator. Thermal destruction device recommended.

Section 14:

TRANSPORT INFORMATION

DOT (US):	Not regulated-not a dangerous good. Flash point above UN upper limit for Class 3 Flammable Liquid. See section 9, Flash Point.
Sea transport IMDG Code: List of Marine Pollutants(172.101-App B)	Not listed as a marine pollutant, not a dangerous good
Air transport (IATA/ICAO):	Not regulated-not a dangerous good
TDG (Canada):	Not regulated-not a dangerous good

Section 15:

REGULATORY INFORMATION

SARA 302 - 304 Components: EPCRA Chemical Reporting	No component in this mixture subject to the reporting requirements of SARA title III, Section 302-304
SARA 313 Components: Toxic Chemical Release Inventory	This mixture does not contain chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels as established by SARA Title III, Sec. 313
SARA 311 / 312 Hazards: Hazardous Chemical Inventory	Acute: No Chronic: Yes, reproductive toxicity
US TSCA Inventory:	Components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory
California Prop. 65 Components:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.
Pennsylvania Right-To-Know Act:	Octamethylcyclotetrasiloxane(D4) CAS RN 556-67-2
Canadian EPA: Toxic Substance List	102. Cyclotetrasiloxane, Octamethyl(D4) CAS RN 556-67-2 Management to minimize release into the environment
Additional European Regulations: European Chemicals Agency (ECHA)	EC/List No.209-136-7 with ECHA REACH, SVHC inclusion date, 6/27/2018. Reasons for inclusion: PBT (Article 57d), vPvB (Article 57e).

Additional Asian Regulations: No data available

Section 16:

OTHER INFORMATION

NFPA 704 Rating: [0 = least hazardous] through [4 = most hazardous]

National Fire Protection Association

Health Hazard: 0
Flammability Hazard: 1
Instability Hazard: 0
Special Hazard: 0

HMIS I & II Rating:

Hazardous Material Information System

Health hazard: 0
Chronic health hazard: 0
Flammability: 1
Reactivity hazard: 0
Personal Protection: C

Further Information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Obenauf's shall not be held liable for any damage resulting from handling or from contact with the above product.

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