

310 Wayto Road | Schenectady, NY 12303 ● TEL: 800-283-3888 | FAX: 518-357-9636  
EMAIL: moreinfo@sandellmfg.com | www.diedrichtechnologies.com

## 300-C WATER-BASED SILOXANE

### 1. PRODUCT DATA

**Date of Preparation:** March 1, 2015

**Product Name:** 300-C Water-Based Siloxane  
Concentrated Water Repellent

**Producer:** Diedrich Technologies, A Hohmann & Barnard  
Company, 310 Wayto Road, Schenectady, NY 12303

**Company Contact:** Mike Eglin

**Telephone:** 800-283-3888

**24-Hour Emergency Contact:** CHEMTREC 800-424-9300

*This product is manufactured for Commercial/Industrial  
use. Not recommended for: Household use.*

### 2. HAZARDS IDENTIFICATION

#### GHS Ratings:

**Oral Toxicity:** Acute 1

**Skin Irritation:** 2

**Eye Irritation:** 2

#### GHS Hazards:

**H300** Fatal if swallowed

**H315** Causes skin irritation

**H319** Causes serious eye irritation

#### GHS Precautions

**P264** Wash hands thoroughly after handling

**P270** Do not eat, drink or smoke when using this product

**P280** Wear protective gloves/protective clothing/eye  
protection/face protection

**P321** Specific treatment (see section 4)

**P330** Rinse mouth

**P362** Take off contaminated clothing and wash before  
reuse

#### **P301+P310**

IF SWALLOWED: Immediately call a POISON  
CENTER or doctor/physician

#### **P302+P352**

IF ON SKIN: wash with plenty of soap and water

#### **P332+P313**

IF SKIN irritation occurs: Get medical advice/  
attention

#### **P337+P313**

IF eye irritation persists: Get medical advice/  
attention

#### **P305+P351+P338**

IF IN EYES: Rinse cautiously with water for  
several minutes. Remove contact lenses, if  
present and easy to do. Continue rinsing

**P405** Store locked up

**P501** Dispose of contents/container according to  
local regulations

#### Danger



### 3. COMPOSITION

Chemical Name/ CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Siloxanes and Silanes	No Data Found	No Data Found	No Data Found
Silicates 78-10-4	10 ppm TLV 10 ppm PEL	No Data Found	No Data Found
Organic Acid	10 ppm TLV 10 ppm PEL	No Data Found	No Data Found
Methanol and Ethanol released upon hydrolysis			

Specific chemical identity and percentage content  
of ingredients withheld as trade secret pursuant to  
Massachusetts regulations. Reporting requirements of  
section 313 title III of the superfund amendments and  
reauthorization act of 1986 and 10 CFR part 373 apply.

### 4. FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air and provide  
oxygen if breathing is difficult. Give artificial respiration if not  
breathing. Get medical attention.

**Eye Contact:** In case of contact, immediately flush eyes with  
large amounts of running water for at least 15 minutes. Hold  
eyelids apart to ensure rinsing of the entire surface of the eye  
and lids with water. Get medical attention immediately.

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**Skin Contact:** Remove excess material from skin with a waterless skin cleaner. Flush skin with plenty of water and wash well with soap and water. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.

**Ingestion:** Never give an unconscious person anything to drink. If unconscious, treat for shock. Notify physician or the nearest poison control center immediately. If conscious, have the person rinse his mouth with cold water and induce vomiting by using a finger or other object such as a spoon to tickle the back of the throat. If unconscious and vomiting, turn the person on his side to avoid choking.

**Notes to Physician:** No data found.

**5. FIRE FIGHTING MEASURES**

**Flammable Limits:** LEL & UEL – Not Determined

**Flash Point:** 77°F (25°C) (Abel Pensky)

**Extinguishing Media:** Use carbon dioxide, dry chemical or foam type extinguishing media.

**Unusual Fire and Explosion Hazards:** Because concentrate vapors are heavier than air they may travel along the ground or by ventilation systems far away from material handling point. This product can generate formaldehyde vapors when exposed to temperatures exceeding 302°F (150°C) in the presence of air. Formaldehyde is a potential cancer hazard, causes irritation and sensitization of the skin and respiratory system, causes eye and throat irritation, and is acutely toxic. Never weld or use cutting torch on or near containers (even empty) because product (even just residue ) can ignite explosively.

**Hazardous Combustion Products:** See Section 10 for a list of hazardous decomposition products for this mixture.

**Fire Fighting:** If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

**Fire Fighting:** Use full-face, self-contained breathing apparatus and impervious protective clothing. Use the procedures for fighting petroleum solvent fire.

**6. ACCIDENTAL RELEASE MEASURES**

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk, stay upwind, and avoid run off to waterways and sewers.

**SMALL SPILLS:** Dike and contain. Soak up residue with absorbent noncombustible material. Scoop into drums appropriate for disposal.

**LARGE SPILLS:** Avoid exposure to sparks, fire or hot metal surfaces. Eliminate possible sources of ignition. If applicable wear appropriate respirator and other protective clothing. Stop source of leak if safe to do so. Dike and contain spill/leak. Soak up residue with absorbent, noncombustible material or sand. Scoop into drum appropriate for disposal. Prevent material from entering drains, sewers and waterways.

**7. HANDLING AND STORAGE**

**Handling Precautions:** Keep away from heat, sparks, and open flames. Use the adequate ventilation. Avoid prolonged or repeated contact with skin. Do not cut, puncture, or weld on or near this container. Do not re-use container for any purpose until it has been commercially cleaned. Keep container closed when not in use. **After this container has been emptied it may contain explosive and/or harmful vapors and residue.**

**Storage:** Store away from oxidizing materials. Keep away from heat, sparks, and open flames. **Do not re-use container for any purpose until it has been commercially cleaned.**

**Regulatory Requirements:** This product is classified as an “oil” under the Clean Water Act. As such it must be kept out of surface water, watercourses or sewers entering or leading to surface water.

**8. EXPOSURE CONTROL AND PERSONAL PROTECTION**

Chemical Name/ CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Siloxanes and Silanes	No Data Found	No Data Found	No Data Found
Silicates 78-10-4	10 ppm TLV 10 ppm PEL	No Data Found	No Data Found
Organic Acid	10 ppm TLV 10 ppm PEL	No Data Found	No Data Found
Methanol and Ethanol released upon hydrolysis			

**Engineering controls:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers or plenty of running water are close to the workstation location.

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**Ventilation Control:** Local exhaust sufficient to minimize exposure to mist and fumes below permissible exposure limits. If mechanical assist ventilation is required, unit must be of an explosion proof type.

**Administrative controls:** No data found.

**Personal Protection:** As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard Assessment of all workplaces to determine the need for proper protective equipment for each employee.

**Protective Clothing:** Protect all body parts from contact by using full chemical/solvent resistant suit with tight fitting cuffs and collar, rubber boots and full-face shield. Solvent resistant gloves such as nitrile rubber must be worn.

**Eye Protection:** Close fitting safety chemical goggles and face shield must be worn.

**Skin Protection:** In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact. Apply Diedrich recommended skin barrier cream for additional protection.

**Respiratory:** A NIOSH/MSHA approved air supplied or air-purifying respirator must be used if the TLV of the product or component is exceeded. Under specific conditions other NIOSH/MSHA respirators may be permitted under OSHA regulations. Consult with your safety equipment supplier.

**Contaminated Equipment:** Dispose of the waste in compliance with federal, state, regional, and local regulations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Melting point:** No Data Found

**Freezing point:** No Data Found

**Solubility:** 100%

**Boiling range:** Not Determined

**Flash point:** 77°F (25°C) (Abel Pensky)

**Evaporation rate:** Not Determined

**Flammability:** Not Determined

**Appearance:** Clear yellowish color

**Odor:** Acetic acid

**Physical State:** Liquid

**Vapor Pressure:** Not Determined

**Odor threshold:** No Data Found

**Vapor Density:** Not Determined

**Specific Gravity:** Approximately 0.9 - 1.0

**pH:** Neutral

**Explosive Limits:** Not Determined

**% Volatile (by weight):** Approximately 30% (EPA 24)

**Volatile Organic Components:** 318 g/l @ 100%

**Partition coefficient (n-Octanol/water):** No Data Found

**Autoignition temperature:** No Data Found

**Decomposition Temperature:** No Data Found

**Viscosity:** No Data Found

**Density:** No Data Found

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at ambient temperatures and atmospheric pressure.

**Incompatibilities:** No Data Found

**Conditions To Avoid:** Avoid contact with strong oxidizing agents, water, acids, alkalis, metals, strong bases, amines. Hydrolyses slowly at ambient temperatures, when exposed to moist air, to form methanol and ethanol. Keep container closed to prevent exposure to moisture.

**Hazardous Decomposition Products:** SiO<sub>2</sub>, CO, CO<sub>2</sub>, formaldehyde, and various hydrocarbon fragments.

## 11. TOXICOLOGICAL INFORMATION

**Routes of Entry:** Inhalation, skin, eyes, ingestion

**Target Organs:** Skin, Eyes, Mouth

**Effects of Overexposure:** This material releases ethyl alcohol upon hydrolysis. Overexposure has been shown to cause respiratory and central nervous system depression. Signs and symptoms of overexposure include headache, blurred vision, constricted visual fields, shortness of breath, dizziness and vertigo.

CAS Number	Description	% Weight	Carcinogen Rating
None			Not Listed

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data found.

## 13. DISPOSAL

Disposal must be at an approved facility for compliance under RCRA Regulations for hazardous waste. Containers must have the proper labeling and be leak proof.

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**14. TRANSPORTATION INFORMATION**

The following is for US DOT Highway transportation. Other modes/jurisdictions may have different classifications.

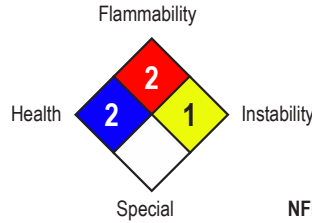
Agency	Proper Shipping Name	UN Number	Packaging Group	Hazard Class
No Data Found				

**15 - REGULATORY INFORMATION**

No Data Found

**16. OTHER INFORMATION**

National Fire Protection Association (NFPA)



**NFPA Hazard Rating Legend**

- \* = CHRONIC HEALTH HAZARD
- 0 = INSIGNIFICANT
- 1 = SLIGHT
- 2 = MODERATE
- 3 = HIGH

**LEGEND**

0 = LEAST    1 = SLIGHT    2 = MODERATE    3 = HIGH    4 = EXTREME

N.D. = NOT DETERMINED    N.A. = NOT AVAILABLE    N/A = NOT APPLICABLE

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