

303S-15 SiloxSeal Siloxane Water Repellent**SECTION I - PRODUCT IDENTIFICATION**

MANUFACTURER'S NAME AND ADDRESS: DIEDRICH TECHNOLOGIES INC.
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PRODUCT NAME: 303S-15 SiloxSeal Siloxane Water Repellent **01-08**

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	NFPA CODE	TLV	PEL
ALIPHATIC SOLVENT	N.A.	2/2/0/-	500 ppm	500 ppm

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.

SECTION III - PHYSICAL DATA

BOILING POINT (°F): 315-380°F **SPECIFIC GRAVITY (H₂O=1):** 0.86

VAPOR PRESSURE (mmHg): Higher **% VOLATILE (by weight):**

85%

VAPOR DENSITY (Air=1): Lower **EVAPORATION RATE (Ether=1):** 0.06

SOLUBILITY IN WATER: Negligible **APPEARANCE AND ODOR:** Colorless liquid with light kerosene order.

VOLATILE ORGANIC COMPONENTS: 710 g/L

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 105°F **FLAMMABLE LIMITS:** LEL = 0.7 UEL = 6.0

EXTINGUISHING MEDIA: Use foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Use air supplied breathing apparatus. Use the procedure for fighting petroleum solvent fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Because vapors are heavier than air they may travel along the ground or by ventilation systems far away from material handling point.



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Revised 08.19.08

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin, eyes, ingestion.

CARCINOGENIC INFORMATION: Not listed (OSHA, IARC, NTP).

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: No applicable information to be found.

EFFECTS OF OVEREXPOSURE: Overexposure can lead to central nervous system depression producing effects such as headache, dizziness, nausea and loss of consciousness, and even asphyxiation.

EYE CONTACT: Short-term contact with vapor, mist or liquid can cause slight eye irritation. Repeated or prolonged contact can be more irritating..

SKIN CONTACT: Repeated or prolonged contact with liquid can lead to defatting and drying of the skin and could result in skin irritation and dermatitis.

INHALATION: High concentrations or prolonged exposure to low concentrations may cause a slight irritation to mucous membranes.

INGESTION: Liquid ingestion may result in vomiting; aspiration of liquid into the lungs is to be avoided, liquid contact with lungs can cause pulmonary edema/hemorrhage and chemical pneumonitis.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush with large amounts of water, lift both upper and lower eyelids frequently to assure thorough flushing under lids. Seek medical attention. If irritation persists see a physician.

SKIN CONTACT: Wash with mild soap and water, apply skin cream. Remove contaminated clothing and launder before reuse. Discard contaminated shoes. If irritation persists see a physician.

INHALATION: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing Get medical attention immediately.

INGESTION: If swallowed, do not induce vomiting, contact poison control center. If vomiting occurs keep head below hips to prevent aspiration of liquid into lungs, which can cause chemical pneumonitis, which can be fatal. See a physician immediately.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID:

Heat, sparks, open flame and fire. Keep away from pilot lights, extinguish all pilot lights in room and adjacent rooms. Be sure to search for multiple pilot lights on appliances.

HAZARDOUS/THERMAL DECOMPOSITION PRODUCTS:

Carbon monoxide and unidentified organics may be formed during combustion.

SECTION VII - SPILL OR LEAK PROCEDURES

SPILL, LEAK AND WASTE DISPOSAL PROCEDURES:

LARGE SPILLS: Avoid exposure to sparks, fire or hot metal surfaces. Eliminate possible sources of ignition. If applicable, wear appropriate respirator and other protective residue with absorbent, noncombustible material. Scoop into drum appropriate for disposal. Prevent material from entering drains, sewers or waterways.

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

WASTE DISPOSAL METHODS: 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.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

A NIOSH/MSHA approved air supplied or self contained 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.

VENTILATION:

Local exhaust sufficient to minimize exposure to mist and fumes below permissible exposure limit. If mechanical assist is required, unit must be of an explosion proof type.

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.

PROTECTIVE GLOVES:

Solvent resistant gloves such as nitrile rubber must be worn.

EYE PROTECTION:

Close fitting safety chemical goggles and face shield must be worn.

OTHER PROTECTIVE EQUIPMENT:

Apply Diedrich recommended skin barrier cream for additional protection. Solvent resistant boots and hardhat. Safety shower and eyewash or fresh running water close at hand.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep away from heat, sparks, and open flames. Use with adequate ventilation. Store away from oxidizing materials. Avoid prolonged or repeated contact with skin. After this container has been emptied it may contain explosive and/or harmful vapors and residue.



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OTHER PRECAUTIONS:

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.

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 waters.

LEGENDS:

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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