Safety Data Sheet
DryWired® Microporous

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **DryWired® Microporous**
Recommended Use: Protective coating for microporous surfaces.
Supplier: DryWired®
Address: 144 N. Robertson Blvd., Suite B
Los Angeles, CA 90048
Phone: 1-310-855-1201
Revised On: 8/11/15
Emergency Phone: US: 1-800-535-5053, International: 1-352-323-3500

SECTION 2: HAZARDS IDENTIFICATION

Hazard classification: Classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Health		Environmental	Physical
Skin irritation	Category 2	Not applicable.	Not applicable.
Eye irritation	Category 2A		

GHS Label Elements: Signal Word: Warning

Hazards Statements:	Precautionary Statements:
H315 Causes skin irritation. H319 Causes serious eye irritation.	P233 Keep container tightly closed. P264 Wash hands thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P321 Specific treatment (see first aid measures on this label). P362 Take off contaminated clothing and wash before reuse. P302+P352 IF ON SKIN: wash with plenty of soap and water. P303+ P361+P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 IF SKIN irritation occurs: Get medical advice/attention. IF eye irritation persists: Get medical advice/attention. P370+P378 In case of fire: Use CO2, extinguishing powder or water spray for extinction. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container according to local/regional/national/international regulations.

Hazards not otherwise classified: None.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

INGREDIENT	WT %	CAS NO.
Triethoxypropylsilane	5.0-10.0%	2550-02-9
Trimethoxypropylsilane	1.0-5.0%	1067-25-0

All other components are considered proprietary and nonhazardous.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures:
Inhalation: In case of exposure to vapours/aerosols during processing: Supply fresh air; consult a doctor in case of pain.

Skin Contact: Immediately remove any clothing soiled by the product. Immediately rinse with water. If skin irritation continues consult a doctor.
Eye Contact: Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult a doctor (eye specialist).
Ingestion: Rinse out mouth and then drink plenty of water. Never give anything by mouth to an unconscious person. Call a doctor immediately.
Most important symptoms and effects, both acute and delayed: After the uptake of large quantities: Release of reaction products (methanol) can cause symptoms of poisoning. Symptoms of acute poisoning: Stupor, Dizziness, Nausea, Abdominal pain, Difficulties in breathing, Blurred vision- risk of blindness.
Indication of any immediate medical attention and special treatment needed: If swallowed, gastric irrigation. Substance detection (methanol) possible in: blood.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire-fighting measures that suit the environment.
Unsuitable Extinguishing Agents: High volume water jet.
Specific Hazards that can Develop During a Fire: The following can be released: Nitrogen oxides (NOx), silicon oxide, carbon monoxide, and carbon dioxide.
Advice for Firefighters-Protective Equipment/Precautions: Do not inhale combustion vapours. Wear self-contained respiratory protective device.
Additional Information: Cool endangered receptacles with water spray. Dispose of fire debris & contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately-must not enter the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions & Protective Equipment: Wear protective clothing. Do not breathe vapors and mists. Avoid contact with eyes and skin.
Environmental precautions: Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Make sure to recycle or dispose of in suitable receptacles.
Reference to other sections: Section 7 for safe handling; section 8 for personal protection equipment; section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Ensure good ventilation/exhaustion at the workplace. Avoid contact with eyes and skin. Do not breathe aerosol or vapors. Observe the general rules of industrial fire protection. Welding operations are permitted only under supervision.
Conditions for Safe Storage, Including Incompatibilities: Store container tightly sealed at a cool and dry place with sufficient ventilation. Store away from foodstuffs. Store away from feed. Protect from humidity and water. Storage class: 10-13 other combustible and non-combustible substances.
Specific end use(s): No further relevant information available other than use mentioned in section 1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):
Respiratory Protection**:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
General Hand Protection: Chemical resistant gloves (EN 374). The glove material has to be impermeable and resistant to the product/substance/preparation. Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture. Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves: Butyl rubber, BR Fluorocarbon rubber (FKM). The selection of suitable gloves depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is

a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material: 480 min (butyl rubber 0.5 mm). 480 min FKM (0.4 mm). The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed. A maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
Eye Protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Body protection: Impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid	**Odour:**	Amine-like
Odour Threshold:	Not determined.	**pH:**	10-11
Melting Point/Freezing Point:	Not determined.	**Boiling Point:**	280-290°C (ASTM D-1120)
Flash Point:	> 60°C	**Evaporation Rate:**	Not determined.
Flammability (solid, gas):	Not applicable.	**Upper/Lower Flammability of Explosive Limits:**	Not determined.
Vapour Pressure:	< 1 hPa	**Vapour Density:**	Not determined.
Relative Density:	1.03 g/cm³	**Solubility:**	Immiscible
Partition Coefficeint: n-octanol and water:	Not determined.	**Auto-Ignition Temperature:**	416.11°C
Decomposition Temperature:	Not determined.	**Viscosity:**	dynamic (20°C): 35mPa.s

Other Information: VOC Content: 35%.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No further relevant information available.
Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
Possibility of Hazardous Reactions: Upon contact with water methanol is formed. Exothermic reactions upon contact with acids.
Conditions to Avoid: No further relevant information available.
Incompatible Materials: Acids, water, humidity.
Hazardous Decomposition Products: No hazardous decomposition products if instructions for storage/handling are followed.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Name	CAS	Route	Species	Value
Trimethoxypropylsilane	1067-25-0	Oral	Rat	LD50> 5,170mg/kg (OECD 401)
Trimethoxypropylsilane	1067-25-0	Inhalation	Rat	LC50 4h> 22,000mg/kg (OECD 403)
Triethoxypropylsilane	2550-02-9	Oral	Rat	LD50> 5,110mg/kg (OECD 401)

Inhalation: No data available.
Skin Contact: No data available.
Eye Contact: No data available.
Sensitization: No sensitization, guinea pig OECD 406.
Other information (about experimental toxicology):
Carcinogenic, mutagenic effects and adverse effects on reproduction: Genmutation S. typhimurium/E.coli negative OECD 471. Carcinogenicity: No data available. Toxicity for reproduction: No information available.
Sub acute to chronic toxicity: STOT-single exposure No classification.
STOT-repeated exposure: No classification.
Aspiration hazard: No classification.
Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. Decomposition in contact with humid skin; formation of methanol, which may be absorbed by skin.
Repeated dose toxicity: No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Aquatic Toxicity: No further relevant information available.
Persistence and Degradability: 12.8%, 28 d
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil: No further relevant information available. Slightly hazardous in water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Danger to drinking water is possible if large quantities leak into the ground or into water course.
Other adverse effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of material in accordance to local/regional/national/international regulations. Do not allow to reach water supply.
Uncleaned Packaging: Recommendation: Dispose of as unused product according to official regulations.

SECTION 14: TRANSPORT INFORMATION

Not regulated by DOT(US), IMDG, IATA for transportation.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. DryWired® transportation classifications are based on product formulation, packaging, DryWired® policies and DryWired® understanding of applicable current regulations. DryWired® does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original DryWired® package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

SECTION 15: REGULATORY INFORMATION

International Regulations: Contact DryWired® for more information.
US Federal Regulations: Contact DryWired® for more information.
SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA Section 311/312 Hazards: Fire Hazard, Chronic Health Hazard
SARA Section 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.
State Regulations: Contact DryWired® for more information.
Massachusetts Right To Know Components: Triethoxypropylsilane 2550-02-9.
Pennsylvania Right To Know Components: Triethoxypropylsilane 2550-02-9; Trimethoxypropylsilane 1067-25-0.
New Jersey Right To Know Components: Triethoxypropylsilane 2550-02-9; Trimethoxypropylsilane 1067-25-0.
California Proposition 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. DRYWIRED® MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a DryWired® product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the DryWired® product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.