



Safety Data Sheet

DryWired® Perma-Clean Solar 2.0: Liquid

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: DryWired® Perma-Clean Solar Liquid: 2.0
Recommended Use: Hydrophilic, Anti-Static Coating Solution Liquid, Version 2.0
Supplier: DryWired®
Address: 5569 W. Washington Blvd.
Los Angeles, CA 90016
Phone: 1-800-581-4528
Revised On: 10/22/19
Emergency Phone: US: 1-800-535-5053, International: 1-352-323-3500

SECTION 2: HAZARDS IDENTIFICATION

Hazard classification: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

GHS Label elements: Not classified as a hazardous substance or mixture.

Hazards not otherwise classified: None.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

INGREDIENT	CAS NUMBER	WEIGHT %
Water	7732-18-5	98.0
Titanium Dioxide	13463-67-7	1.0
Platinum	7440-06-4	0.1

SECTION 4: FIRST AID MEASURES

Description of first aid measures:

Inhalation: Supply fresh air; If not breathing, give artificial respiration.

Skin Contact: Wash off with soap and plenty of water.

Eye Contact: Flush eyes with water as a precaution.

If Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment required:

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No further relevant information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations.

Reference to other sections: For personal protection see section 8. For disposal see section 13.



Safety Data Sheet

DryWired® Perma-Clean Solar 2.0: Liquid

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Do not allow product to freeze. Do not store in direct sunlight (light sensitive).

Specific End Uses: No further relevant information available other than the use mentioned in Section 1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Components with workplace control parameters:

Component	CAS No.	Value	Control Parameters	Basis	
Platinum	7440-06-4	TWA	0.002 mg/m ³	USA. OSHA Permissible Exposure Limit (PEL)	
		TWA	0.002 mg/m ³	USA. ACHIS TLV	
		TWA	0.002 mg/m ³	USA. NIOSH Recommended Exposure Limits	
Titanium Dioxide	13463-67-7	TWA	10 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)	
		TWA	15 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants.	
		Lower Respiratory Tract irritation: Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC). Not classifiable as a human carcinogen. Potential Occupational Carcinogen: See appendix A.			
		PEL	10 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)	
		PEL	5 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)	

Exposure Controls:

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment:

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: butyl-rubber, Minimum layer thickness: 0.3 mm, Break through time: 480 min Splash contact: Material: Nitrile rubber, Minimum layer thickness: 0.4 mm, Break through time: 31 min

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: No special environmental precautions required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gray/Green Liquid	Odour:	Unscented
Odour Threshold:	No data available.	pH:	No data available.
Melting Point/Freezing Point:	No data available.	Boiling Point:	No data available.
Flash Point:	No data available.	Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.	Upper/Lower Flammability of Explosive Limits:	No data available.
Vapour Pressure:	No data available.	Vapour Density:	No data available.
Relative Density:	No data available.	Solubility:	Soluble.
Partition Coefficient: n-octanol and water:	No data available.	Auto-Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.	Viscosity:	No data available.



Safety Data Sheet

DryWired® Perma-Clean Solar 2.0: Liquid

Other Information: No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Do not allow product to freeze. Do not store in direct sunlight.

Incompatible materials: Strong acids, strong oxidizing agents.

Hazardous decomposition products: No data available. In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity: Based on literature of 100% by wt Titanium dioxide, CAS 13463-67-7: LD50 Oral - Rat - > 10,000 mg/kg

Inhalation: No data available. LD50 Dermal - Rabbit - > 10,000 mg/kg No data available

Skin corrosion/irritation: Based on literature of 100% by wt Titanium dioxide, CAS 13463-67-7: Skin - Human Result: Mild skin irritation - 3 h.

Serious eye damage/eye irritation: Based on literature of 100% by wt Titanium dioxide, CAS 13463-67-7: Eyes - Rabbit. Result: No eye irritation.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: Based on literature of 100% by wt Titanium dioxide, CAS 13463-67-7: Hamster, ovary, Micronucleus test. Hamster, Lungs, DNA inhibition. Hamster, ovary, Sister chromatid exchange. Mouse, Micronucleus test.

Carcinogenicity: Based on literature of 100% by wt Titanium dioxide, CAS 13463-67-7: Rat - Inhalation Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Carcinogenicity - Rat - Intramuscular Tumorigenic: Neoplastic by RTECS criteria. Blood: Lymphomas including Hodgkin's disease. Tumorigenic: Tumors at site or application.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: 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: 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: No data available.

Specific target organ toxicity - single exposure: No data available..

Specific target organ toxicity - repeated exposure: No data available.

Aspiration hazard: No data available.

Additional Information: No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

Toxicity to Fish: Titanium dioxide, CAS 13463-67-7, LC50 - other fish - > 1,000 mg/l - 96 h.

Toxicity to daphnia and other aquatic invertebrates: Titanium dioxide, CAS 13463-67-7, EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 48 h

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in Soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other Adverse Effects: No data available



Safety Data Sheet

DryWired® Perma-Clean Solar 2.0: Liquid

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Should be taken to an authorized industrial waste handler.

Uncleaned Packaging: Recommendation: Dispose of as unused product according to official regulations.

SECTION 14: TRANSPORT INFORMATION

DOT (US): Not dangerous goods.	IMDG: Not dangerous goods.	IATA: Not dangerous goods.
--	--------------------------------------	--------------------------------------

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 Section 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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: ; Titanium dioxide, CAS-No. 13463-67-7, Revision Date 1994-04-01

New Jersey Right To Know Components: Water, CAS-No. 7732-18-5, Revision Date - ; Titanium dioxide, CAS-No. 13463-67-7, Revision Date 1994-04-01

Pennsylvania Right To Know Components: Water, CAS-No. 7732-18-5, Revision Date -; Titanium dioxide, CAS-No. 13463-67-7, Revision Date 1994-04-01

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.

Chemical Inventories:

The components of this product are in compliance with the chemical notification requirements of TSCA. Contact DryWired® for more information.

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.