

# SAFETY DATA SHEET

**Product Name:** HYDROLON, BLUE ICE

**Product Code:** 712

**Date issued:** 5/27/2015

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## SECTION 1 : IDENTIFICATION

Product Name HYDROLON, BLUE ICE

Product Code # 712

Identified Uses Protective Coating

Manufacturer: Kelley Technical Coatings  
1445 South 15<sup>th</sup> Street  
P.O. Box 3726  
Louisville, Kentucky 40201-3726

Emergency Contact Number: Day: 502-636-2561 Night: 800-424-9300

Information Telephone Number: 502-636-2561

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## SECTION 2 : HAZARDS IDENTIFICATION

Acute Toxicity - Oral 4  
Skin Irritant 2  
Eye Damage/Irritation 2b

### GHS Classification

### GHS Label Elements

#### Hazard Symbols



Signal Word Warning

#### Hazard Statements

H302 Harmful if swallowed  
H315 Causes skin irritation  
H320 Causes eye irritation

#### Precautionary statements

##### Prevention

P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash hands and/or face thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

##### Response

P330 If swallowed, rinse mouth.  
P363 Wash contaminated clothing and wash before reuse.  
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.

##### Storage/ Disposal

P501 Dispose of contents/container in accordance with federal, state, provincial, and local regulations.

#### Other Hazards

**OSHA Regulatory Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

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## SECTION 3 : COMPOSITION INFORMATION

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Chemical Designation	CAS No.	% by Weight
titanium dioxide	13463-67-7	10 - 20%
ethylene glycol	107-21-1	1 - 5%
butoxy dipropanol	29911-28-2	1 - 5%
texanol	25265-77-4	1 - 5%

## **SECTION 4 : FIRST AID MEASURES**

General Advice	Show this safety data sheet to the doctor in attendance
Eyes:	Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention.
Skin:	Wash affected area thoroughly with soap and water. If skin irritation persists, get immediate medical attention.
Inhalation:	Move to fresh air. Restore breathing. If breathing is difficult, get immediate medical attention.
Ingestion:	Do not induce vomiting – seek immediate medical attention.
Notes to Physician	Treat symptomatically

## **SECTION 5 : FIRE FIGHTING MEASURES**

Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific Hazards arising from the Chemical	Closed containers may rupture if exposed to fire or extreme heat.
Special protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

Personal Precautions:	Use personal protective equipment. Remove all sources of ignition.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Clean-up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
Other Information	None known

## **SECTION 7 : HANDLING & STORAGE**

Handling:	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed. Keep out of the reach of children.

## **SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION**

HMIS is a Health, Flammability and Reactivity rating: **2\*11**

HMIS CODE: **4** – SEVERE HAZARD, **3** – SERIOUS HAZARD, **2** – MODERATE HAZARD, **1** – SLIGHT HAZARD, **0** – MINIMAL HAZARD,  
\* – Chronic Hazard

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual conditions of use.

### **Exposure Limits**

Hazardous Components	OSHA PEL	ACGIH TLV
titanium dioxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
ethylene glycol	50 ppm (C)	50 ppm (C)(STEL)
butoxy dipropanol	NE	NE
texanol	NE	NE

NE = None established NA = Not available (C) = Ceiling limit (I) = Inhalable fraction (IFV) = Inhalable fraction and vapor STEL = Short term exposure limit (R) = Respirable fraction

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

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## Personal Protective Equipment

**Eyes/Face:** Safety goggles or full face shield  
**Skin:** Protective gloves and impervious clothing.  
**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hygiene Practices:** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

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## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid		
Odor:	Little or no odor	Odor threshold:	Not determined
VOC lb/gal	0.49	VOC (g/L)	59.14
VOC (lb/gal) less exempt	1.08	VOC (g/L) less exempt	129.07
Relative Density (LB/GAL):	11.38	Specific Gravity (g/L):	1.37
Flash Point (F):	Greater than 201		
Flammability:	Not applicable	Upper/lower flammability limits:	Not applicable
Auto-ignition temperature:	Not applicable	Decomposition temperature:	Not determined
Evaporation rate :	Not available		
Vapor Pressure (mmHg) :	Not available	Vapor Density :	Not available
Initial Boiling Point (F):	212	Boiling Point Range (F):	Not available
Freezing Point (F):	32	Melting Point (F):	Not determined
pH	Not available	Viscosity	Not available
Solubility (ies):	Not determined		
Partition coefficient: n-octanol/water	Not determined		

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## SECTION 10 : STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.  
**Conditions to Avoid:** Prevent from freezing  
**Materials to Avoid:** No materials to be especially mentioned.  
**Hazardous Decomposition Products:** None under normal use.  
**Possibility of Hazardous Reactions:** None under normal conditions of use.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

### Acute Toxicity

Component	LD50 Oral mg/kg (Rat)	LD50 Dermal mg/kg (Rabbit)	LC50 Inhalation mg/L (Rat, 4 hr.)
titanium dioxide	10,000	10,000	6.82
ethylene glycol	NA	NA	NA
butoxy dipropanol	NA	NA	NA
texanol	6,517	>15,200	

### Chronic Toxicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:

Component	IARC	NTP	OSHA
titanium dioxide	2B – Possible Human Carcinogen	Not listed	Listed

Per IARC Summary of Data Reported, Subsection 5.1: No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints.

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## SECTION 12 : ECOLOGICAL INFORMATION

No ecological information available

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## SECTION 13 : DISPOSAL CONSIDERATION

Waste Disposal Method

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

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## SECTION 14 : TRANSPORT INFORMATION

REGULATION	DESCRIPTION
DOT	Not regulated
Proper Shipping Name	
Hazard Class	
UN-No	
Packing Group	
ICAO / IATA	Not regulated
IMDG/IMO	Not regulated

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## SECTION 15 : REGULATORY INFORMATION

US TSCA: Yes – All components are listed or exempt

### Federal Regulations

#### **SARA 311/312 hazardous categorization**

Acute Health Hazard	YES
Chronic Health Hazard	YES
Fire Hazard	NO
Sudden Release of Pressure Hazard	NO
Reactive Hazard	NO

#### **SARA 313**

Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Designation	Cas No.	Weight %
ethylene glycol	107-21-1	< 5%

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)**

Chemical Designation	Cas No.	Weight %
ethylene glycol	107-21-1	1 - 5%

Any Target HAP listed in this section is not an OSHA Carcinogen unless listed as such in Section 11 under Chronic Toxicity.

### State Regulations

#### **California Proposition 65**

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

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## SECTION 16 : OTHER INFORMATION

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The above Information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy himself that the product is entirely suitable for his purposes.