

# SAFETY DATA SHEET



Revision Date 02-Feb. - 2017  
Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name HDP Coating  
Product code 012739197

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Restricted to professional users  
Restrictions on use No information available  
Uses advised against Not suitable for use in homemaker (DIY) applications

### 1.3 Details of the supplier of the safety data sheet

Supplier Dryvit Systems, Inc  
One Energy Way,  
West Warwick, RI 02893  
Phone Number: (401) 822-4100  
Toll Free Number: (800) 556-7752

E-mail Address ehs@dryvit.com

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1A

### 2.2 Label elements

#### Signal Word

Danger

#### Hazard Statements

May cause genetic defects  
May cause cancer

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store in accordance with local regulations

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

### 3. Composition/Information on Ingredients

**Substance**

Chemical Name	CAS-No	Weight %
Titanium dioxide	13463-67-7	10 - 20%
Nepheline Syenite (Particulates not otherwise classified)	37244-96-5	10 - 20%
DESCRIPTION	93763-70-3	0 - 10%
AMORPHOUS SILICA	7631-86-9	0 - 10%
MICA	12001-26-2	0 - 10%
Propylene glycol	57-55-6	0 - 10%
Aluminium Hydroxide	21645-51-2	0 - 10%
2-PROPENOIC ACID, 2-METHYL-	79-41-4	0 - 10%
Ethylene oxide	75-21-8	0 - 10%
2-Propenoic acid (Acrylic Acid)	79-10-7	0 - 10%
N-(3,4-dichlorophenyl)-N,N-dimethylurea	330-54-1	0 - 10%
CLAY (KAOLIN)	1332-58-7	0 - 10%

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

### 4. First aid measures

**4.1 Description of first-aid measures**

<b>General advice</b>	If symptoms persist, call a physician.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician if irritation develops or persists.
<b>Skin contact</b>	Immediate medical attention is not required. Call a physician if irritation develops or

persists.

**Inhalation** Immediate medical attention is not required. Get medical attention if symptoms occur. Call a physician if irritation develops or persists.

**Ingestion** If swallowed, do not induce vomiting - seek medical advice.

#### **4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

#### **4.3 Recommendations for immediate medical care and/or special treatment**

**Notes to physician** No information available.

### **5. Fire-Fighting Measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** None.

#### **5.2 Specific hazards arising from the substance or mixture**

##### **Special Hazard**

No information available

**Hazardous Combustion Products** No information available.

##### **Explosion Data**

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** No information available.

#### **5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **6. Accidental Release Measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

#### **6.2 Environmental precautions**

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological information.

#### **6.3 Methods and materials for containment and cleaning up**

**Methods for Containment** Spills and leaks are not likely. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

### **7. Handling and storage**

#### **7.1 Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

### **7.2 Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Store in accordance with local regulations. Keep from freezing.

**Materials to Avoid** Strong oxidizing agents. Strong acids. Strong bases.

## **8. Exposure controls/personal protection**

### **8.1 Occupational Exposure Limits (OEL)**

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Nepheline Syenite (Particulates not otherwise classified) 37244-96-5	-	-				TWA: 10 mg/m <sup>3</sup>
DESCRIPTION 93763-70-3	-	-	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>
AMORPHOUS SILICA 7631-86-9	-	TWA: 20 mppcf : (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA				
MICA 12001-26-2	TWA: 3 mg/m <sup>3</sup> respirable fraction	TWA: 20 mppcf <1% Crystalline silica	TWA: 3 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>
Propylene glycol 57-55-6	-	-				TWA: 10 mg/m <sup>3</sup> TWA: 50 ppm TWA: 155 mg/m <sup>3</sup>
Aluminium Hydroxide 21645-51-2	TWA: 1 mg/m <sup>3</sup> respirable fraction	-	TWA: 1.0 mg/m <sup>3</sup>			TWA: 1 mg/m <sup>3</sup>
2-PROPENOIC ACID, 2-METHYL- 79-41-4	TWA: 20 ppm	-	TWA: 20 ppm	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup>	TWA: 20 ppm
Ethylene oxide 75-21-8	TWA: 1 ppm	TWA: 1 ppm STEL: 5 ppm see 29 CFR 1910.1047	TWA: 0.1 ppm STEL: 1 ppm Adverse reproductive effect	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup> STEL: 10 ppm STEL: 18 mg/m <sup>3</sup>
2-Propenoic acid (Acrylic Acid) 79-10-7	TWA: 2 ppm S*	-	TWA: 2 ppm Skin Adverse reproductive effect	TWA: 2 ppm TWA: 5.9 mg/m <sup>3</sup> Skin	TWA: 2 ppm TWA: 5.9 mg/m <sup>3</sup> Skin	TWA: 2 ppm Skin
N-(3,4-dichlorophenyl)- N,N-dimethylurea 330-54-1	TWA: 10 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
CLAY (KAOLIN) 1332-58-7	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>

### **8.2 Appropriate engineering controls**

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

### **8.3 Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** If splashes are likely to occur, wear:.. Tightly fitting safety goggles.

**Skin and body protection** Wear protective gloves/ protective clothing.

<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene measures</b>	See section 7 for more information

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Viscous liquid
<b>Color</b>	Off-white Gray or Colored liquid
<b>Odor</b>	Faint
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>	>8	
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>	> 100 °C	
<b>Flash Point</b>	no data available	No information available
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>		No information available
<b>lower flammability limit</b>		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>	0.96 - 1.80 g/cc	
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

<b>Volatile organic compounds (VOC) content</b>	no data available
<b>Density</b>	8.0 - 15.0 lbs/gal

## 10. Stability and Reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to Avoid

Do not freeze. To avoid thermal decomposition, do not overheat.

**10.5 Incompatible Materials**

Strong oxidizing agents. Strong acids. Strong bases.

**10.6 Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating gases and vapors.

## 11. Toxicological information

**11.1 Acute toxicity****Numerical measures of toxicity: Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**Dermal LD50**                                    65,037.00 mg/kg

**Numerical measures of toxicity: Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Titanium dioxide 13463-67-7	10000 mg/kg ( Rat )	-	-
AMORPHOUS SILICA 7631-86-9	5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h
Propylene glycol 57-55-6	20000 mg/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Aluminium Hydroxide 21645-51-2	5000 mg/kg ( Rat )	-	-
2-PROPENOIC ACID, 2-METHYL- 79-41-4	1060 mg/kg ( Rat )	500 - 1000 mg/kg ( Rabbit )	= 7.1 mg/L ( Rat ) 4 h
Ethylene oxide 75-21-8	72 mg/kg ( Rat )	-	= 800 ppm ( Rat ) 4 h
2-Propenoic acid (Acrylic Acid) 79-10-7	193 mg/kg ( Rat )	= 295 mg/kg ( Rabbit )	= 11.1 mg/L ( Rat ) 1 h = 3.6 mg/L ( Rat ) 4 h
N-(3,4-dichlorophenyl)-N,N-dimethyl urea 330-54-1	4990 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 0.265 mg/L ( Rat )

**11.2 Information on toxicological effects****Skin corrosion/irritation**Product Information

- No information available

Component Information

- No information available

**Eye damage/irritation**Product Information

- No information available

Component Information

- No information available

**Respiratory or skin sensitization**Product Information

- No information available

Component Information

- No information available

**Germ Cell Mutagenicity**Product Information

- Mutagenic
- Component Information
- No information available

**Carcinogenicity**

- The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7	-	Group 2B	-	
Ethylene oxide 75-21-8	A2	Group 1 Group 2A	Known	

**Reproductive toxicity**Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Other adverse effects**Target Organs

- None under normal use conditions

Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- No information available

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
AMORPHOUS SILICA 7631-86-9	EC50: 72 h Pseudokirchneriella subcapitata 440 mg/L	LC50: 96 h Brachydanio rerio 5000 mg/L static	EC50: 48 h Ceriodaphnia dubia 7600 mg/L
Propylene glycol 57-55-6	EC50: 96 h Pseudokirchneriella subcapitata 19000 mg/L	LC50: 96 h Oncorhynchus mykiss 51600 mg/L static LC50: 96 h Oncorhynchus mykiss 41 - 47 mL/L static LC50: 96 h Pimephales promelas 51400 mg/L static LC50: 96 h Pimephales promelas 710 mg/L	EC50: 48 h Daphnia magna 1000 mg/L Static
Ethylene oxide 75-21-8	-	LC50: 96 h Pimephales promelas 73 - 96 mg/L	LC50: 48 h Daphnia magna 137 - 300 mg/L
2-Propenoic acid (Acrylic Acid) 79-10-7	EC50: 96 h Pseudokirchneriella subcapitata 0.17 mg/L EC50: 72 h Desmodesmus subspicatus 0.04	LC50: 96 h Brachydanio rerio 222 mg/L semi-static	EC50: 48 h Daphnia magna 95 mg/L

	mg/L		
N-(3,4-dichlorophenyl)-N,N-dimethyl urea 330-54-1	EC50: 96 h <i>Desmodesmus subspicatus</i> 0.022 mg/L EC50: 72 h <i>Desmodesmus subspicatus</i> 0.036 mg/L static EC50: 72 h <i>Pseudokirchneriella subcapitata</i> 0.1 mg/L static EC50: 96 h <i>Pseudokirchneriella subcapitata</i> 0.0007 mg/L static	LC50: 96 h <i>Pimephales promelas</i> 13.4 - 15 mg/L flow-through LC50: 96 h <i>Pimephales promelas</i> 13.4 - 15 mg/L static LC50: 96 h <i>Lepomis macrochirus</i> 2.3 - 3.3 mg/L static LC50: 96 h <i>Lepomis macrochirus</i> 4 mg/L LC50: 96 h <i>Oncorhynchus mykiss</i> 1.5 - 2.54 mg/L static LC50: 96 h <i>Oncorhynchus mykiss</i> 14.7 mg/L LC50: 96 h <i>Cyprinus carpio</i> 2.9 mg/L	EC50: 48 h <i>Daphnia magna</i> 1.4 mg/L EC50: 48 h <i>Daphnia magna</i> 6.3 - 13 mg/L Static

## 12.2. Persistence and degradability

No information available.

## 12.3. Bioaccumulative potential

Discharge into the environment must be avoided

Chemical Name	log Pow
2-PROPENOIC ACID, 2-METHYL- 79-41-4	0.93
Ethylene oxide 75-21-8	-0.3
2-Propenoic acid (Acrylic Acid) 79-10-7	0.46
N-(3,4-dichlorophenyl)-N,N-dimethylurea 330-54-1	2.82

## 12.4. Mobility in soil

No information available.

## 12.5. Other adverse effects

No information available

# 13. Disposal Considerations

## 13.1. Waste Disposal Guidance

Disposal should be in accordance with applicable regional, national and local laws and regulations.

# 14. Transport Information

**DOT** Not regulated

**MEX** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

# 15. Regulatory information

## 15.1. International Inventories

TSCA -  
DSL -  
EINECS/ELINCS -  
ENCS -



<b>IECSC</b>	-
<b>KECL</b>	-
<b>PICCS</b>	-
<b>AICS</b>	-
<b>NZIoC</b>	-

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances **IECSC**

- China Inventory of Existing Chemical Substances **KECL** -

Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

## **15.2 U.S. Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). 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:

<b>Chemical Name</b>	<b>SARA 313 - Threshold Values %</b>
Ethylene oxide 75-21-8	0.1

## **15.3 Pesticide Information**

Not applicable

## **15.4 U.S. State Regulations**

### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

<b>Chemical Name</b>	<b>California Prop. 65</b>
Titanium dioxide - 13463-67-7	Carcinogen
Ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive
N-(3,4-dichlorophenyl)-N,N-dimethylurea - 330-54-1	Carcinogen
SULPHURIC ACID - 7664-93-9	Carcinogen
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND - 14808-60-7	Carcinogen
Lead - 7439-92-1	Carcinogen Developmental Female Reproductive Male Reproductive
Mercury - 7439-97-6	Developmental
Nickel - 7440-02-0	Carcinogen
Arsenic - 7440-38-2	Carcinogen
Beryllium - 7440-41-7	Carcinogen
Cadmium - 7440-43-9	Carcinogen Developmental Male Reproductive
Cobalt - 7440-48-4	Carcinogen
Formaldehyde - 50-00-0	Carcinogen
Ethanol - 64-17-5	Carcinogen Developmental
1,4-DIOXANE - 123-91-1	Carcinogen
Acetaldehyde - 75-07-0	Carcinogen
ETHYL ACRYLATE - 140-88-5	Carcinogen

## **16. Other information**

<b><u>NFPA</u></b>	Health Hazard 1	Flammability 0	Instability 0	Physical and chemical hazards *
<b><u>HMIS</u></b>	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal protection B

**Legend:**

ACGIH (American Conference of Governmental Industrial Hygienists)

Ceiling (C)

DOT (Department of Transportation)

EPA (Environmental Protection Agency)

IARC (International Agency for Research on Cancer)

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG)

NIOSH (National Institute for Occupational Safety and Health)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

PEL (Permissible Exposure Limit)

Reportable Quantity (RQ)

Skin designation (S\*)

STEL (Short Term Exposure Limit)

TLV® (Threshold Limit Value)

TWA (time-weighted average)

**Revision Date** 30-June-2016

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**