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 homeworker (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 witheld as a trade secret.

4. First aid measures

4.1 Description of first-aid measures

General advice If symptoms persist, call a physician.

Eye contact 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.

Skin contact 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/m³	TWA: 15 mg/m³ total dust	TWA: 10 mg/m³ TWA: 3 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³
Nepheline Syenite (Particulates not otherwise classified) 37244-96-5	-	-				TWA: 10 mg/m³
DESCRIPTION 93763-70-3	-	-	TWA: 10 mg/m³ TWA: 3 mg/m³			TWA: 10 mg/m³
AMORPHOUS SILICA 7631-86-9	-	TWA: 20 mppcf : (80)/(% SiO2) mg/m³ TWA				
MICA 12001-26-2	TWA: 3 mg/m³ respirable fraction	TWA: 20 mppcf <1% Crystalline silica	TWA: 3 mg/m³	TWA: 3 mg/m³	TWA: 3 mg/m³	TWA: 3 mg/m³
Propylene glycol 57-55-6	-	-				TWA: 10 mg/m³ TWA: 50 ppm TWA: 155 mg/m³
Aluminium Hydroxide 21645-51-2	TWA: 1 mg/m³ respirable fraction	-	TWA: 1.0 mg/m³			TWA: 1 mg/m³
2-PROPENOIC ACID, 2-METHYL- 79-41-4	TWA: 20 ppm	-	TWA: 20 ppm	TWA: 20 ppm TWA: 70 mg/m³	TWA: 20 ppm TWA: 70 mg/m³	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/m³	TWA: 1 ppm TWA: 1.8 mg/m³	TWA: 1 ppm TWA: 1.8 mg/m³ STEL: 10 ppm STEL: 18 mg/m³
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/m³ Skin	TWA: 2 ppm TWA: 5.9 mg/m³ Skin	TWA: 2 ppm Skin
N-(3,4-dichlorophenyl)-N,N-dimethylurea 330-54-1	TWA: 10 mg/m³	-	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³
CLAY (KAOLIN) 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction	TWA: 2 mg/m³	TWA: 2 mg/m³	TWA: 5 mg/m³	TWA: 2 mg/m³

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.

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

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

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

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

9.2 Other information

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

10. Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use

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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 Desmodesmus subspicatus 0.022 mg/L EC50: 72 h Desmodesmus subspicatus 0.036 mg/L static EC50: 72 h Pseudokirchneriella subcapitata 0.1 mg/L static EC50: 96 h Pseudokirchneriella subcapitata 0.0007 mg/L static	LC50: 96 h Pimephales promelas 13.4 - 15 mg/L flow-through LC50: 96 h Pimephales promelas 13.4 - 15 mg/L static LC50: 96 h Lepomis macrochirus 2.3 - 3.3 mg/L static LC50: 96 h Lepomis macrochirus 4 mg/L LC50: 96 h Oncorhynchus mykiss 1.5 - 2.54 mg/L static LC50: 96 h Oncorhynchus mykiss 14.7 mg/L LC50: 96 h Cyprinus carpio 2.9 mg/L	EC50: 48 h Daphnia magna 1.4 mg/L EC50: 48 h Daphnia magna 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 -

IECSC	-
KECL	-
PICCS	-
AICS	-
NZIoC	-

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:

Chemical Name	SARA 313 - Threshold Values %
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:

Chemical Name	California Prop. 65
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

NFPA	**Health Hazard** 1	**Flammability** 0	**Instability** 0	**Physical and chemical hazards** *
HMIS	**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