

#### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product identifier

Product Name • UDC HV PLUS Emulsion

Product Description • Blue liquid.

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

Relevant identified use(s) • Water-based emulsion

1.3 Details of the supplier of the safety data sheet

Manufacturer • IKONICS Corporation

4832 Grand Ave. Duluth, MN 55807 United States www.ikonics.com sds@ikonics.com

**Telephone (General)** • (218) 628-2217

**Telephone (General)** • (800) 328-4261 - Toll free

# 1.4 Emergency telephone number

Chemtrec • 1-800-424-9300 - Within USA and Canada

• +1 703-527-3887 - Outside USA and Canada (collect calls accepted)

#### **Section 2: Hazards Identification**

#### **EU/EEC**

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

#### 2.1 Classification of the substance or mixture

• Skin Sensitization 1 - H317 Eye Irritation 2 - H319

EUH208

## 2.2 Label Elements

CLP

#### **WARNING**



Hazard statements • H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

EUH208 - Contains sensitizing substances (2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester; Pentaerythritol Tetraacrylate). May produce an allergic reaction

Precautionary statements Prevention • P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.

P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P321 - Specific treatment, see supplemental first aid information.

P363 - Wash contaminated clothing before reuse.

**Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other Hazards

CLP • No data available

#### **UN GHS**

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Seventh Revised Edition

#### 2.1 Classification of the substance or mixture

**UN GHS** 

Skin Irritation 3 - H316
 Skin Sensitization 1 - H317
 Eve Irritation 2 - H319

#### 2.2 Label elements

**UN GHS** 

#### WARNING



Hazard statements • H316 - Causes mild skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

# Precautionary statements

Prevention • P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.

P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response • P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

 $\hbox{P333+P313-If skin irritation or rash occurs: Get medical advice/attention.}$ 

P321 - Specific treatment, see supplemental first aid information.

P363 - Wash contaminated clothing before reuse.

**Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other hazards

**UN GHS** • No data available

#### **United States (US)**

According to OSHA 29 CFR 1910.1200 HCS

# 2.1 Classification of the substance or mixture

**OSHA HCS 2012** 

Skin Sensitization 1 - H317
 Eye Irritation 2 - H319

# 2.2 Label elements

**OSHA HCS 2012** 

#### WARNING



**Hazard statements** • May cause an allergic skin reaction - H317 Causes serious eye irritation - H319

## Precautionary statements

Prevention • Avoid breathing dust, fume, gas, mist, vapors and/or spray. - P261

Wash thoroughly after handling. - P264

Contaminated work clothing should not be allowed out of the workplace. - P272 Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. - P305+P351+P338 If eye irritation persists: Get medical advice/attention. - P337+P313 IF ON SKIN: Wash with plenty of soap and water. - P302+P352

If skin irritation or rash occurs: Get medical advice/attention. - P333+P313

Specific treatment, see supplemental first aid information. - P321

Wash contaminated clothing before reuse. - P363

**Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

#### 2.3 Other hazards

**OSHA HCS 2012** 

No data available

#### Canada

**According to WHMIS 2015** 

#### 2.1 Classification of the substance or mixture

**WHMIS 2015** 

Skin Sensitization 1 - H317
 Eye Irritation 2 - H319

#### 2.2 Label elements

**WHMIS 2015** 

#### WARNING



**Hazard statements** • May cause an allergic skin reaction - H317 Causes serious eye irritation - H319

# Precautionary statements

Prevention • Avoid breathing dust, fume, gas, mist, vapors and/or spray. - P261

Wash thoroughly after handling. - P264

Contaminated work clothing should not be allowed out of the workplace. - P272 Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. - P305+P351+P338 If eye irritation persists: Get medical advice/attention. - P337+P313

IF ON SKIN: Wash with plenty of soap and water. - P302+P352 If skin irritation or rash occurs: Get medical advice/attention. - P333+P313 Specific treatment, see supplemental first aid information. - P321

Wash contaminated clothing before reuse. - P363

**Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

#### 2.3 Other hazards

**WHMIS 2015** 

• No data available

#### 2.4 Other information



See Section 12 for Ecological Information.

# Section 3 - Composition/Information on Ingredients

#### 3.1 Substances

#### 3.2 Mixtures

Hazardous Components						
Chemical Name	%(weight)	LD50/LC50	Classifications According to Regulation/Directive			
Ethoxylated pentaerythritol tetraacrylate	CAS:51728-26-8			GHS / CLP / OSHA / WHMIS: Eye Irrit. 2		
Ethoxylated tetramethyldecynediol	CAS:9014-85-1	< 0.8%		GHS / CLP / OSHA / WHMIS: Eye Dam. 1; Skin Irrit. 2		
2-Propenoic acid, 2-(hydroxymethyl)-2- (((1-oxo-2-propenyl)oxy)methyl)-1,3- propanediyl ester	CAS:3524-68-3 EC Number:222-540-8 EINECS:222-540-8	< 0.4%	Ingestion/Oral-Rat LD50 • 1830 mg/kg Skin-Rabbit LD50 • 4 mL/kg	GHS / CLP / OSHA / WHMIS: Eye Irrit. 2; Skin Irrit. 2; Skin Sens. 1;		
Pentaerythritol Tetraacrylate	CAS:4986-89-4 EC Number:225-644-1 EINECS:225-644-1	< 0.4%		GHS / CLP / OSHA / WHMIS: Eye Irrit. 2A; Skin Irrit. 2; Skin Sens. 1		

See Section 11 for Toxicological Information.

# **Section 4 - First Aid Measures**

## 4.1 Description of first aid measures

Inhalation

 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration and call 911 or emergency medical service.

Skin

• IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye

• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

• If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

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

UDC HV PLUS Emulsion Safety Data Sheet Page **4** of **11** 

Refer to Section 11 - Toxicological Information.

#### 4.3 Indication of any immediate medical attention and special treatment needed

# **Section 5 - Firefighting Measures**

#### 5.1 Extinguishing media

Suitable Extinguishing • SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Media

LARGE FIRE: Water spray, fog or regular foam.

**Unsuitable** 

No data available

**Extinguishing Media** 

Firefighting Procedures • LARGE FIRES: Use extinguishing agent suitable for type of surrounding fire.

Fire fighters should wear complete protective clothing including self-contained breathing

apparatus.

Keep unauthorized personnel away. Ventilate closed spaces before entering.

## 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards**  • Some of these materials may burn, but none ignite readily.

Hazardous Combustion • Products of combustion include: carbon oxides (COx).

**Products** 

# 5.3 Advice for firefighters

 Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Wear positive pressure self-contained breathing apparatus (SCBA).

#### **Section 6 - Accidental Release Measures**

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

**Personal Precautions** 

• Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.

**Emergency Procedures** 

 No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

#### 6.2 Environmental precautions

No data available

#### 6.3 Methods and material for containment and cleaning up

Containment/Clean-up **Measures** 

• Use appropriate Personal Protective Equipment (PPE) Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container.

# 6.4 Reference to other sections

 Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

## 7.1 Precautions for safe handling

Handling • Use good safety and industrial hygiene practices.

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

Storage

 Keep container closed when not in use. Store away from extreme heat. Do not freeze.

## 7.3 Specific end use(s)

• Refer to Section 1.2 - Relevant identified uses.

# **Section 8 - Exposure Controls/Personal Protection**

## 8.1 Control parameters

#### **Exposure Control Notations**

**Germany DFG** 

•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester (3524-68-3): Sensitizers: (skin sensitizer)

#### 8.2 Exposure controls

**Engineering Measures/Controls** 

• Local exhaust is recommended but not required. Provide adequate ventilation as necessary.

#### **Personal Protective Equipment**

**Pictograms** 



Respiratory

Eye/Face

Hands

Skin/Body

**General Industrial Hygiene** 

**Considerations** 

**Environmental Exposure Controls** 

- In case of insufficient ventilation, wear suitable respiratory equipment.
- Wear protective eyewear (goggles, face shield, or safety glasses).
- Wear protective gloves rubber or neoprene.
- Wear protective clothing apron or other impervious body coverings.
- Handle in accordance with good industrial hygiene and safety practice.
- No data available

## **Section 9 - Physical and Chemical Properties**

# 9.1 Information on Physical and Chemical Properties

Material Description				
Physical Form	Liquid	Appearance/Description	Viscous liquid	
Color	Blue	Odor	Slight acrylic odor	
Physical and Chemical Properties	Not relevant			
General Properties				
Boiling Point	100 C(212 F)	Melting Point	Not relevant	
Decomposition Temperature	Not relevant	рН	4 to 5	
Specific Gravity/Relative Density	1.06 Water=1	Density	8.82 lbs/gal	
Water Solubility	Miscible	Solvent Solubility	Not relevant	
Viscosity	11,000-16,000 Centipoise (cPs, cP) or mPas @ 25 C(77 F)	Explosive Properties	Not relevant	
Oxidizing Properties:	Not relevant			
Volatility				
Vapor Pressure	Not relevant	Vapor Density	Not relevant	
Evaporation Rate	< 1 n-Butyl Acetate = 1	VOC (Wt.)	< 0.5 %	
Volatiles (Wt.)	60 to 65 %			
Flammability				
Flash Point	> 200 F(> 93.3333 C)	UEL	Not relevant	
LEL	Not relevant	Autoignition	Not relevant	
Flammability (solid, gas)	Not relevant			
Environmental				
Half-Life	No data available	Octanol/Water Partition coefficient	No data available	

Bioaccumulation Factor	No data available	Bioconcentration Factor	No data available
Biochemical Oxygen Demand BOD/BOD5	No data available	Chemical Oxygen Demand	No data available
Persistence	No data available	Degradation	No data available

#### 9.2 Other Information

• Polymerizes to solid/semisolid form upon exposure to UV radiation.

## **Section 10: Stability and Reactivity**

#### 10.1 Reactivity

• No dangerous reaction known under conditions of normal use.

## 10.2 Chemical stability

• UV reactive.

# 10.3 Possibility of hazardous reactions

• Hazardous polymerization will not occur.

#### 10.4 Conditions to avoid

· Avoid freezing. Excess heat.

#### 10.5 Incompatible materials

No data available

## 10.6 Hazardous decomposition products

 No decomposition is expected under normal storage and use conditions. Hazardous decomposition products formed under fire conditions - carbon oxides (COx).

# **Section 11 - Toxicological Information**

# 11.1 Information on toxicological effects

Component Name	CAS	Data		
2-Propenoic acid, 2-(hydroxymethyl)-2- (((1-oxo-2-propenyl)oxy)methyl)-1,3- propanediyl ester (< 0.4%)	3524-68-3	Acute Toxicity: orl-rat LD50:1830 mg/kg; skn-rbt LD50:4 mL/kg; Irritation: eye-rbt 1 mg SEV; skn-rbt 500 mg open MLD		
GHS Properties	Classification			
Skin sensitization	EU/CLP•Skin Sensitizer 1 OSHA HCS 2012•Skin Sensitizer 1 UN GHS•Skin Sensitizer 1			
Serious eye damage/Irritation	EU/CLP•Eye Irritation 2 OSHA HCS 2012•Eye Irritation 2 UN GHS•Eye Irritation 2A			

Route(s) of entry/exposure

• Skin, Eye

#### **Potential Health Effects**

Inhalation

Acute (Immediate)

• May cause irritation.

**Chronic (Delayed)** 

• Repeated and prolonged exposure may cause irritation.

Skin

Acute (Immediate)

• May cause mild irritation. May cause an allergic skin reaction.

**Chronic (Delayed)** 

• Repeated and prolonged exposure may cause sensitization.

Eye

Acute (Immediate)

• Causes eye irritation.

Chronic (Delayed)

Repeated and prolonged exposure may be harmful.

Ingestion

UDC HV PLUS Emulsion Safety Data Sheet Page **7** of **11** 

Acute (Immediate)

· May cause irritation.

**Chronic (Delayed)** 

• No specific information available.

## **Section 12 - Ecological Information**

## 12.1 Toxicity

• No data available

## 12.2 Persistence and degradability

• No data available

## 12.3 Bioaccumulative potential

• No data available

# 12.4 Mobility in Soil

• No data available

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 12.6 Other adverse effects

# **Section 13 - Disposal Considerations**

#### 13.1 Waste treatment methods

**Product waste** 

• Dispose of content in accordance with local, regional, national, and/or international regulations.

**Packaging waste** 

• Dispose of container in accordance with local, regional, national, and/or international regulations.

#### 13.2 Other Information

• Dispose of wastes in an approved waste disposal facility.

# **Section 14 - Transport Information**

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	NDA	NDA	NDA	NDA
IMO/IMDG	NDA	NDA	NDA	NDA	NDA
IATA/ICAO	NDA	NDA	NDA	NDA	NDA

14.6 Special precautions for user

None specified.

14.7 Transport in bulk according to Annex II of

• Not relevant.

MARPOL 73/78 and the IBC Code

14.8 Other information

**DOT** • Not regulated.

IMO/IMDG • Not regulated.

IATA/ICAO • Not regulated.

# **Section 15 - Regulatory Information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UDC HV PLUS Emulsion Safety Data Sheet Page **8** of **11** 

•						
			Inventory		1	
Component	CAS	Australia AICS	Canada DSL	Canada NDSL	China	EU EINECS
Ethoxylated pentaerythritol tetraacrylate	51728-26- 8	Yes	No	Yes	Yes	No
Ethoxylated tetramethyldecynediol	9014-85-1	Yes	Yes	No	Yes	No
2-Propenoic acid, 2- (hydroxymethyl)-2- (((1-oxo-2- propenyl)oxy)methyl)- 1,3-propanediyl ester	3524-68-3	Yes	Yes	No	Yes	Yes
Pentaerythritol Tetraacrylate	4986-89-4	Yes	Yes	No	Yes	Yes
			Inventory (Con	't.)		
Component	CAS	Japan ENCS	Korea KECL	New Zealand	<b>Philippines PICCS</b>	TSCA
Ethoxylated pentaerythritol tetraacrylate	51728-26- 8	Yes	Yes	Yes	No	Yes
Ethoxylated tetramethyldecynediol	9014-85-1	Yes	Yes	Yes	Yes	Yes
2-Propenoic acid, 2- (hydroxymethyl)-2- (((1-oxo-2- propenyl)oxy)methyl)- 1,3-propanediyl ester	3524-68-3	Yes	Yes	Yes	Yes	Yes
Pentaerythritol Tetraacrylate	4986-89-4	Yes	Yes	Yes	Yes	Yes

# **Australia**

# Labor

Australia - List o	of Designated Hazardous Substances - Classification			
<ul> <li>Ethoxylated tetra</li> </ul>	methyldecynediol	9014-85-1	< 0.8%	Not Listed
•2-Propenoic acid	l, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester	3524-68-3	< 0.4%	Xi R36/38, R43
<ul> <li>Pentaerythritol T</li> </ul>	etraacrylate	4986-89-4	< 0.4%	Xi R36/38, R43
<ul><li>Ethoxylated pent</li></ul>	aerythritol tetraacrylate	51728-26-8	4% TO 5%	Not Listed

## **Europe**

## Ot

Luiope		
Other		
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification		
•Ethoxylated tetramethyldecynediol	9014-85-1 < 0.8	Not Listed
•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl	ester 3524-68-3 < 0.4	1% Xi; R36/38 R43
Pentaerythritol Tetraacrylate	4986-89-4 < 0.4	1% Xi; R36/38 R43
•Ethoxylated pentaerythritol tetraacrylate	51728-26-8 4%	ΓO 5% Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
•Ethoxylated tetramethyldecynediol	9014-85-1 < 0.8%	Not Listed
•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester	3524-68-3 < 0.4%	Xi R:36/38-43 S:(2)-39
Pentaerythritol Tetraacrylate	4986-89-4 < 0.4%	Xi R:36/38-43 S:(2)-26- 39
•Ethoxylated pentaerythritol tetraacrylate	51728-26-8 4% TO 5	% Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
•Ethoxylated tetramethyldecynediol	9014-85-1 < 0.8	Not Listed
•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl	ester 3524-68-3 < 0.4	1% D
Pentaerythritol Tetraacrylate	4986-89-4 < 0.4	1% D
•Ethoxylated pentaerythritol tetraacrylate	51728-26-8 4%	ΓO 5% Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		

<ul> <li>Ethoxylated tetramethyldecynediol</li> <li>2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1</li> <li>Pentaerythritol Tetraacrylate</li> <li>Ethoxylated pentaerythritol tetraacrylate</li> <li>EU - No-Longer Polymers List (67/548/EEC)</li> </ul>	,3-propanediyl est	ter 3524 4986	4-85-1 < 0.8% 4-68-3 < 0.4% 6-89-4 < 0.4% 28-26-8 4% TO 5%	Not Listed S:(2)-39 S:(2)-26-39 Not Listed
•Ethoxylated tetramethyldecynediol	9014-85-1 < 0.8	8%	NLP No. 500-022-5 ethoxylated units)	5 (>1<4.5 mol
•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester	3524-68-3 < 0.4		Not Listed	
Pentaerythritol Tetraacrylate	4986-89-4 < 0.4	4%	Not Listed	
•Ethoxylated pentaerythritol tetraacrylate	51728-26-8 4%	TO 5%	NLP No. 500-111-9 ethoxylated units)	) (>1<8.5 mol

#### Germany

#### **Environment**

#### Germany - Water Classification (VwVwS) - Annex 3

•Ethoxylated tetramethyldecynediol	9014-85-1 < 0.8%	ID Number 2805, hazard class 2 - hazard to waters
•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester	3524-68-3 < 0.4%	6 Not Listed
Pentaerythritol Tetraacrylate	4986-89-4 < 0.4%	6 Not Listed
•Ethoxylated pentaerythritol tetraacrylate	51728-26-8 4% TC	0 5% Not Listed

#### Japan

#### Other

#### Japan - Chemical Substance Control Law (CSCL) - Examined Existing Chemical Substances

•Ethoxylated tetramethyldecynediol	9014-85-1	< 0.8%	Not Listed
•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-	3524-68-3	- 0 10/	Non-decomposable/Low-
propanediyl ester	3324-00-3	< 0.4%	concentrate
Pentaerythritol Tetraacrylate	4986-89-4	< 0.4%	Not Listed
•Ethoxylated pentaerythritol tetraacrylate	51728-26-8	4% TO 5%	Not Listed
Janan - Fira Sarvica Law - Hazardoue Materiale			

Japan - Fire Service Law - Hazardous Materials

•Ethoxylated tetramethyldecynediol	9014-85-1	< 0.8%	Not Listed
•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester	3524-68-3	< 0.4%	Group 4 - Flammable liquids III (listed under 3rd Class petroleums - insoluble)
Pentaerythritol Tetraacrylate	4986-89-4	< 0.4%	Not Listed

•Ethoxylated pentaerythritol tetraacrylate 51728-26-8 4% TO 5% Not Listed

#### Korea

#### Labor

#### Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances

Ethoxylated tetramethyldecynediol	9014-85-1	< 0.8%	Not Listed
•2-Propenoic acid, 2-(hydroxymethyl)-2-(((1-oxo-2-propenyl)oxy)methyl)-1,3-propanediyl ester	3524-68-3	< 0.4%	Not Listed
Pentaerythritol Tetraacrylate	4986-89-4	< 0.4%	Not Listed
•Ethoxylated pentaerythritol tetraacrylate	51728-26-8	4% TO 5%	

## 15.2 Chemical Safety Assessment

• No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

#### 15.3 Other Information

• California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

## **Section 16 - Other Information**

#### Relevant Phrases (code & full text)

• H316 - Causes mild skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.

P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

**UDC HV PLUS Emulsion** Page **10** of **11** Safety Data Sheet

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment, see supplemental first aid information.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

EUH208 - Contains sensitizing substance(s). May produce an allergic reaction.

**Classification method** for mixtures

· Calculation method.

**Last Revision Date** 

N/A

**Preparation Date** 

• 18 January 2019

Other Information

Approved by: Troy Bergstedt, Director of Chemical Research, (218) 628-2217 ext.142.

Liability

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**UDC HV PLUS Emulsion** Safety Data Sheet Page **11** of **11**