

# SAFETY DATA SHEET

Date Revised: 6.29.2020

## SECTION 1 - IDENTIFICATION

MANUFACTURER: DiamaPro Systems, Inc. EMERGENCY PHONE: 1-800-424-9300  
ADDRESS : 325 West Front Street INFORMATION PHONE: 1-800-622-2048  
Erie, PA 16507 NAME OF PREPARER: Safety Director

PRODUCT NAME: DiamaPro UV-HS Plus with Microban Gloss  
PRODUCT CODE: DPUVHSG

## SECTION 2 - HAZARDS IDENTIFICATION

HAZARD RISK CLASSIFICATION  
SIGNAL WORD: DANGER  
PICTOGRAM:  
GHS07 - EXCLAMATION MARK

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUIDS	CATEGORY 2
ACUTE TOXICITY	CATEGORY 4 ORAL
ACUTE TOXICITY	CATEGORY 4 DERMAL
ACUTE TOXICITY	CATEGORY 4 INHALATION
SKIN CORROSION / IRRITATION	CATEGORY 2
SERIOUS EYE DAMAGE / EYE IRRITATION	CATEGORY 2 AND 2A
SKIN SENSITIZER	CATEGORY 1
TOXIC TO REPRODUCTION	CATEGORY 1 (BOTH 1A AND 1B)
TOXIC TO SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE	CATEGORY 3

### HAZARD STATEMENTS:

H225 Highly flammable liquid and vapor  
H303 May be harmful if swallowed  
H305 May be harmful if swallowed and enters airways  
H313 May be harmful in contact with skin  
H317 May cause allergic skin reaction  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled  
H335 May cause respiratory irritation  
H360 may damage fertility or the unborn child

### PRECAUTIONARY STATEMENTS:

#### PREVENTION:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/hot surfaces/sparks/open flames and other sources of ignition. No smoking.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion proof electrical/ventilation/lighting/handling equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharge  
P261 Avoid breathing dust/fume/gas/mist/vapor/ spray.  
P264 Wash hands and any exposed area thoroughly after handling.  
P270 Do not eat, drink or smoke while using this product.  
P271 Use only outdoors or in well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace  
P281 Use appropriate personal protective impervious gloves/protective clothing/OSHA approved eye protection/face protection.

#### RESPONSE:

P301+P310 If swallowed: Immediately call a Poison Center / doctor.  
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).  
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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**P308+P313** If exposed or concerned: Get medical advice/attention.  
**P312** Call a Poison Center/doctor if you feel unwell.  
**P321** Specific treatment (see on this label)  
**P333+P313** If skin irritation or rash occurs: Get medical advice/attention.  
**P332+P313** If skin irritation occurs: Get medical advice/attention.  
**P337+P313** If eye irritation persists: Get medical advice/attention.  
**P363** Wash contaminated clothing before reuse.  
**P370+P378** In-case of a fire: Use carbon dioxide (CO2), powder, alcohol-resistant foam to extinguish

## STORAGE:

**P403+P233** Store in a well-ventilated place. Keep container tightly closed.  
**P403+P235** Store in a well-ventilated place. Keep cool.  
**P405** Store locked up.

## DISPOSAL:

**P501** Store separately. Dispose of contents/ container in accordance with local/regional/national /international regulations.

**OTHER HAZARDS:** NONE KNOWN

**HMIS RATING:** H F R PPE  
2\* 0 1 I

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT PERCENT	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	OTHER
* Hexanediol Diacrylate	13048-33-4	25-50			
* Oligomer Urethane Acrylate		25-35			
			NOT ESTABLISHED		
N-Methyl-2-Pyrrolidone	872-50-4				
			NOT ESTABLISHED		
2-Methyl 4-Pentanone	108-10-1				
			50 PPM	50 PPM	STEL 75 PPM

\* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.

+ Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

^ Hazardous Air Pollutant established by the EPA as directed by the Clean Air Act of 1990.

## SECTION 4 - FIRST AID MEASURES

### PRIMARY ROUTES OF EXPOSURE:

Skin contact.

### DESCRIPTION OF FIRST AID MEASURES:

**EYES:** Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

**SKIN CONTACT:** Wash contaminated area with soap and water. Remove and launder contaminated clothing.

**INGESTION:** If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

**INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

**EYES:** Direct contact with eyes may cause irritation.

**SKIN:** Prolonged or repeated contact may cause irritation.

**INHALATION:** Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

**INGESTION:** Not an anticipated route of exposure. Small amounts are not expected to be harmful.

### CHRONIC HEALTH EFFECTS:

Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

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## MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

No known effects on other illnesses.

## INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat Symptomatically.

## ===== SECTION 5 - FIRE AND EXPLOSION HAZARD DATA =====

### SUITABLE EXTINGUISHING MEDIA:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

### SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

In the event of a fire, harmful vapors including carbon monoxide, carbon dioxide, and others may be released. There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

### SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area. keep unauthorized personnel out.

## ===== SECTION 6 - ACCIDENTAL RELEASE MEASURES =====

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment listed in Section 8.

### ENVIRONMENTAL PRECAUTIONS:

Keep runoff from storm sewers, ditches, streams, lakes, and other ground waters and waterways.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

Contain all spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Collect into suitable containers and dispose of properly in accordance with all applicable regulations. (See Section 13) Rinse affected area thoroughly with water.

## ===== SECTION 7 - HANDLING AND STORAGE =====

### HANDLING INFORMATION:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communication Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

### STORAGE INFORMATION:

Keep containers tightly closed. Use and store material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post "No smoking or open flame" sign. Store only in approved containers. Keep away from incompatible materials (see section 10). Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

### OTHER PRECAUTIONS:

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

## ===== SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

### CONTROL PARAMETERS: SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

### ENGINEERING CONTROLS:

General room ventilation is adequate.

### PERSONAL PROTECTIVE EQUIPMENT:

#### RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

#### VENTILATION:

General room ventilation is adequate.

#### PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

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## EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

## OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

## WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

## ===== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES =====

<b>PHYSICAL STATE:</b>	Liquid	<b>COLOR:</b>	Various colors
<b>ODOR:</b>	Amine or ammonia odor	<b>SOLUBILITY IN WATER:</b>	Dilutable
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	1.08	<b>VAPOR DENSITY:</b>	Greater than air.
<b>BOILING RANGE:</b>		<b>EVAPORATION RATE:</b>	Slower than nBuAc
<b>COATING V.O.C.: 0 g/l (0.0 lb/gal)</b>		<b>pH:</b>	Not Determined
<b>FLASH POINT:</b>	Greater than 200 FTCC	<b>UPPER EXPLOSION LIMIT:</b>	9.5
<b>AUTO-IGNITION TEMPERATURE:</b>	Not Determined	<b>LOWER EXPLOSION LIMIT:</b>	1.2
<b>DECOMPOSITION TEMPERATURE:</b>	NA	<b>VAPOR PRESSURE:</b>	Not Determined

## ===== SECTION 10 - STABILITY AND REACTIVITY DATA =====

### REACTIVITY:

Will not occur.

### CHEMICAL STABILITY:

Stable under normal conditions and handling.

### POSSIBILITY OF HAZARDOUS REACTIONS:

No hazardous reactions if stored and handled as prescribed/indicated.

### CONDITIONS TO AVOID:

None known.

### INCOMPATIBLE MATERIALS:

None known. Materials which are not compatible with water or ordinary organics will not be compatible with this material.

### HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

## ===== SECTION 11 - TOXICOLOGICAL INFORMATION =====

### SENSITIZATION:

None known.

### CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

### REPRODUCTIVE TOXICITY:

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

### TERATOGENICITY (BIRTH DEFECTS):

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

### MUTAGENICITY:

There is no data to indicate that any component present at greater than 0.1% will alter DNA.

## ===== SECTION 12 - ECOLOGICAL INFORMATION =====

### ECOTOXICITY:

No data available.

### PERSISTENCE AND DEGRADABILITY:

Not degradable.

### BIOACCUMULATIVE POTENTIAL:

No data available.

### MOBILITY IN SOIL:

No data available.

### OTHER ADVERSE EFFECTS:

No known effects or critical hazards. No data available.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminate solids in accordance with local, state, and federal regulations.

## SECTION 14 - TRANSPORT INFORMATION

### SHIPPING NAME:

Not regulated.

## SECTION 15 - REGULATORY INFORMATION

### US TOXIC SUBSTANCE CONTROL ACT (TSCA)

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCE:** None

**SARA 311/312 HAZARDOUS CHEMICAL:** See Section 3

### SARA 313 (TRI REPORTING):

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372) See section 3.

### STATE LISTED COMPONENTS

Methyl Isobutyl Ketone

### CAS NUMBER

108-10-1

### STATE CODE

CA, CT, FL, IL, LA, ME, MN, NJ, PA, RI

### CALIFORNIA PROPOSITION 65

This product contains a chemical(s) known to the state of California to cause cancer, birth defects of reproductive harm, which are subject the requirements of California Proposition 65.

Methyl Isobutyl Ketone	CAS #108-1-0	Cancer, developmental
N-Methylpyrrolidone	Cas #872-50-4	Developmental

## SECTION 16 - OTHER INFORMATION

**REVISION DATE: 04.23.2019**

This version replaces all previous versions. The information contained in this SDS and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the data prepared. Although certain hazards are described herein, DiamaPro Systems, Inc. cannot guarantee that these are the only hazards that exist. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall DiamaPro Systems, Inc. assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. DiamaPro Systems, Inc. expressly disclaims any representations and warranties of any kind, whether expressed or implied, as to the accuracy, completeness, noninfringement, merchantability and/or fitness for a particular purpose with respect to any information and recommendations provided. DiamaPro Systems, Inc. reserves the right to make any changes to the information and recommendations at any time, without prior subsequent notice.