

# Glamour II



## SECTION 1: IDENTIFICATION

- 1.1 **Product Identifier**  
Product Name: Glamour II
- 1.2 **Intended Use of the Product**  
Protective Coating of Fine Art Prints

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the Mixture

#### GHS-US Classification

Skin Irrit. 2..... H315

Eye Irrit. 2A..... H319

*For Full Text of hazard classes and H-statements: See section 16*

### 2.2 Label Elements

#### GHS-US Labeling

Hazard Pictograms (GHS-US)..... 

Signal Word (GHS-US)..... Warning

#### Hazard Statements (GHS-US)

H315..... Causes skin irritation

H319..... Causes serious eye irritation

#### Precautionary Statements (GHS - US)

P264..... Wash hands and forearms thoroughly after handling

P280..... Wear protective eye protection, protective clothing, protective glasses

P302 + P352..... If on skin, wash with plenty of water

P305 + P351 + P338..... If in eyes, Rinse cautiously with water for several minutes.

Remove contact lenses if present. Continue rinsing.

P321..... Specific treatment (*see section 4 on this MSDS*)

P332 + P313..... If skin irritation occurs, seek medical advice / attention

P337 + P313..... If eye irritation persists, seek medical advice / attention

P362 + P364..... Take off contaminated clothing and wash it before reuse

### 2.3 Other Hazards

Exposure may aggravate preexisting eye, skin or respiratory conditions. This material or its emissions may defat skin, cause contact dermatitis or aggravate existing skin disease.

### 2.4 Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION / INFORMATION INGREDIENTS

3.1 Substance  
Not Applicable

3.2 Mixture

Name	Product Identifier	%	GHS-US Classification
Liquid Resin XK-190	(CAS No) Proprietary	57.95	Not Classified
Liquid Resin BT-26	(CAS No) Proprietary	24.45	Not Classified
Dipropylene Glycol Monomethyl Ether	(CAS No) 34590-94-8	4.32 - 4.8	Flam Liq. 4, H227
2,4-Pentandiol, 2-Methyl	(CAS No)107-41-5	4.32 - 4.8	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Distillates, Petroleum, Solvent-Dewaxed Heavy Paraffinic	(CAS No) 64742-65-0	0.9 - 1.35	Asp. Tox. 1, H304
2-(Dimethylamino)ethanol	(CAS No) 108-01-0	1.25	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402
Distillates, Petroleum, Hydrotreated Heavy Paraffinic	(CAS No) 64742-54-7	0.6 - 0.75	Asp. Tox 1, H304
Alkylaryl Polyether Alcohol	(CAS No) Proprietary	0.63 - 0.651	Not Classified
Polyethylene Glycol Distearate	(CAS No) Proprietary	0.588 - 0.609	Not Classified
Water	(CAS No) 7732-18-5	0.483 - 0.504	Not Classified
Methyl Alcohol	(CAS No) 67-56-1	0.33604875 - 0.35704875	Flam Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapor), H331 STOT SE 1, H370
Distillates, Petroleum, Solvent-Dewaxed Light Paraffinic	(CAS No) 64742-56-9	0.1 - 0.3	Not Classified
Nonionic Polyethylene Emulsion	(CAS No) Proprietary	0.078 - 0.195	Acute Tox. 4 (Oral), H302 Eyes Dam. 1, H318
Dimethyl Silicone Polymer with Silica	(CAS No) 67762-90-7	0.075 - 0.15	Not Classified
Distillates, Patroleum, Solvent-Refined Light Paraffinic	(CAS No) 64741-89-5	0.05 - 0.1	Acute Tox. 4 (inhalation:dust, mist), H332 Asp. Tox. 1, H304
2-Butoxyethanol	(CAS No) 111-76-2	0.092 - 0.094	Flam Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapor), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Silica, Amorphous	(CAS No) 7631-86-9	0.015 - 0.075	Not Classified
Hydrophobic Silica	(CAS No) Proprietary	0.03 - 0.07	Not Classified

Name	Product Identifier	%	GHS-US Classification
2-Methoxy-1-Propanol	(CAS No) 1589-47-5	0.0048 - 0.048	Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 1B, H360 STOT SE 3, H335
Glutaraldehyde	(CAS No) 111-30-8	0.00195 - 0.0195	Flam. Liq. 4, H227 Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Octamethylcyclotetrasiloxane	(CAS No) 556-67-2	< 0.002	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 4, H413

For full text of H-phrases see section 16.

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910. 1200]

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of First-Aid Measures**

**First-Aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. (Show the label when possible)

**First-Aid Measures After Inhalation:** When symptoms occur, go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-Aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**First-Aid Measures After Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**First-Aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

**4.2 Most Important Symptoms and Effects Both Acute and Delayed**

**Symptoms/Injuries:** Causes serious eye irritation. Causes skin irritation.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. Repeated or prolonged skin contact may cause dermatitis and defatting.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**4.2 Most Important Symptoms and Effects Both Acute and Delayed (Continued)**

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None known.

**4.1 Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing Media**

**Suitable Extinguishing Methods:** Water spray, dry chemical, foam, carbon dioxide. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Methods:** Do not use a heavy water stream. Use of a heavy stream of water may spread fire.

**5.2 Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** .....Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** .....Product is not explosive.

**Reactivity:** .....Hazardous reactions will not occur under normal conditions.

**5.3 Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Fire fighting instructions:** Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

**Protection During Fire fighting:** Do not enter fire area without proper protective equipment, including respiratory protection. Hazardous

**Combustion Products:** Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Ammonia. Silicon oxides.

Aldehydes. Formaldehyde. Organic compounds. Ketones. Organic acids. Hydrocarbons.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

**6.1.1 For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

**6.1.2 For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

**6.2 Environmental Precautions**

Prevent entry to sewers and public waters.

6.3 Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, and spray. Avoid contact with skin, eyes and clothing. Use appropriate personal protective equipment (PPE).

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool and well-ventilated place. Protect from light. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Containers which are opened should be properly resealed and kept upright to prevent leakage.

**Incompatible Products:** Strong acids, strong bases, strong oxidizers. Aluminum. Isocyanates. Strong mineral acids. Peroxides. Alcohols. Sodium nitrate.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Methyl Alcohol (67-56-1)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	250 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
USA ACGIH	Biological Exposure Indices (BEI)	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (background, nonspecific)
USA NIOSH	NIOSH REL (TWA) (mg/m³)	260 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m³)	325 mg/m³
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
USA IDLH	US IDLH (ppm)	6000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm

2-Butoxyethanol (111-76-2)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA ACGIH	Biological Exposure Indices (BEI)	200 mg/g Kreatinin Parameter: Butoxyacetic acid with hydrolysis - Medium: urine - Sampling time: end of shift
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	24 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	5 ppm
USA IDLH	US IDLH (ppm)	700 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	240 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm
USA OSHA	Limit value category (OSHA)	Prevent or reduce skin absorption
Octamethylcyclotetrasiloxane (556-67-2)		
USA AIHA	WEEL TWA (ppm)	10 ppm
Glutaraldehyde (111-30-8)		
USA ACGIH	ACGIH Ceiling (ppm)	0.05 ppm (activated and inactivated)
USA ACGIH	ACGIH chemical category	Dermal sensitizer activated or inactivated,Not Classifiable as a
Human Carcinogen activated and inactivated		
USA NIOSH	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	0.8 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (ceiling) (ppm)	0.2 ppm
Silica, amorphous (7631-86-9)		
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	3000 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80mg/m3/%SiO )
Dipropylene glycol monomethyl ether (34590-94-8)		
USA ACGIH	ACGIH TWA (ppm)	100 ppm
USA ACGIH	ACGIH STEL (ppm)	150 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (STEL) (ppm)	150 ppm
USA IDLH	US IDLH (ppm)	600 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA OSHA	Limit value category (OSHA)	Prevent or reduce skin absorption
2,4-Pentanediol, 2-methyl- (107-41-5)		
USA ACGIH	ACGIH Ceiling (ppm)	25 ppm
USA NIOSH	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	125 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (ceiling) (ppm)	25 ppm
Hydrophobic silica (Proprietary)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>

**8.2 Exposure Controls**

**Appropriate Engineering Controls**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment**



Materials for Protective Clothing .....	Chemically resistant materials and fabrics.
Hand Protection .....	Wear protective gloves.
Eye Protection .....	Chemical safety goggles.
Skin and Body Protection .....	Wear suitable protective clothing.
Respiratory Protection .....	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Environmental Exposure Controls .....	Avoid release to the environment.
Other Information .....	When using, do not eat, drink or smoke.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on Basic Physical and Chemical Properties**

Physical State .....	Liquid
Appearance .....	No data available
Odor .....	No data available
Odor Threshold .....	No data available
pH .....	No data available
Evaporation Rate .....	No data available
Melting Point .....	No data available
Freezing Point .....	No data available
Boiling Point .....	No data available
Flash Point .....	No data available
Auto-ignition Temperature .....	No data available
Decomposition Temperature .....	No data available
Flammability (solid, gas) .....	No data available
Vapor Pressure .....	No data available
Relative Vapor Density at 20°C .....	No data available
Relative Density .....	No data available
Solubility .....	No data available
Partition Coefficient: N-Octanol/Water .....	No data available
Viscosity .....	No data available

- 9.2 Other Information  
 VOC Content ..... 6 - 94%

SECTION 10: STABILITY AND REACTIVITY

- 10.1 **Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2 **Chemical Stability:** Stable under recommended handline and storage conditions (See section7).
- 10.3 **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 **Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5 **Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Aluminum. Isocyanates. Strong mineral acids. Peroxides. Alcohols. Sodium nitrate.
- 10.6 **Hazardous Decomposition Products:** None expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on Toxicological Effects  
 Acute Toxicity: Not Classified

Methyl alcohol (67-56-1)	
LC50 Inhalation Rat	3 mg/l/4h
LC50 Inhalation Rat	22500 ppm (Exposure time: 8 h)
ATE (Oral)	100.00 mg/kg body weight
ATE (Dermal)	300.00 mg/kg body weight
2-Butoxyethanol (111-76-2)	
LD50 Oral Rat	470 mg/kg
LD50 Dermal Rabbit	580 mg/kg
LC50 Inhalation Rat	2.2 mg/l/4h
LC50 Inhalation Rat	450 ppm/4h
Nonionic polyethylene emulsion (Proprietary)	
ATE (Oral)	500.00 mg/kg body weight
Glutaraldehyde (111-30-8)	
LD50 Oral Rat	252 mg/kg
LD50 Dermal Rabbit	560 µl/kg
LC50 Inhalation Rat	0.1 mg/l/4h
LC50 Inhalation Rat	24 - 5000 ppm/4h
LC50 Inhalation Rat	0.48 mg/l/4h
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
LD50 Oral Rat	> 15 g/kg
Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)	
LD50 Oral Rat	> 5 g/kg
LD50 Dermal Rabbit	> 5 g/kg



Silica, amorphous (7631-86-9)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
2-(Dimethylamino)ethanol (108-01-0)	
LD50 Oral Rat	1803 mg/kg
LD50 Dermal Rabbit	1220 mg/kg
LC50 Inhalation Rat	6 mg/l/4h
LC50 Inhalation Rat	1641 ppm/4h
Dipropylene glycol monomethyl ether (34590-94-8)	
LD50 Oral Rat	5400 µl/kg
LD50 Dermal Rabbit	9500 mg/kg
2,4-Pentanediol, 2-methyl- (107-41-5)	
LD50 Oral Rat	3700 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
LC50 Inhalation Rat	310 mg/m³ (Exposure time: 1 h)
Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)	
LD50 Oral Rat	> 15 g/kg
LD50 Dermal Rabbit	> 5 g/kg
LC50 Inhalation Rat	2.18 mg/l/4h

Skin Corrosion/Irritation ..... Causes skin irritation  
 Serious Eye Damage/Irritation ..... Causes serious eye irritation  
 Respiratory or Skin Sensitization ..... Not classified  
 Germ Cell Mutagenicity ..... Not classified  
 Carcinogenicity ..... Not classified

2-Butoxyethanol (111-76-2)	
IARC group	3
Silica, amorphous (7631-86-9)	
IARC group	3

Reproductive Toxicity ..... Not classified  
 Specific Target Organ Toxicity (Single Exposure) ..... Not classified  
 Specific Target Organ Toxicity (Repeated Exposure) ..... Not classified  
 Aspiration Hazard ..... Not classified  
 Symptoms/Injuries After Inhalation ..... Prolonged exposure may cause irritation  
 Symptoms/Injuries After Skin Contact ..... Redness, pain, swelling, itching, burning, dryness, and dermatitis  
 Repeated or prolonged skin contact may cause dermatitis and defatting  
 Symptoms/Injuries After Eye Contact ..... Contact causes severe irritation with redness and swelling of the conjunctiva  
 Symptoms/Injuries After Ingestion ..... Ingestion may cause adverse effects  
 Chronic Symptoms ..... None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology - General ..... Not Classified

Alkylaryl polyether alcohol (Proprietary)	
LC50 Fish 1	10 - 100 mg/l
EC50 Daphnia 1	> 1000 mg/l
Methyl alcohol (67-56-1)	
LC50 Fish 1	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	1340 mg/l
LC50 Fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
2-Butoxyethanol (111-76-2)	
LC50 Fish 1	1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
Glutaraldehyde (111-30-8)	
LC50 Fish 1	7.8 - 22 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	2.6 - 4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 2	0.56 - 1.0 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Silica, amorphous (7631-86-9)	
LC50 Fish 1	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)
2-(Dimethylamino)ethanol (108-01-0)	
LC50 Fish 1	81 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	98.77 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (Algae)	35 mg/l
Dipropylene glycol monomethyl ether (34590-94-8)	
LC50 Fish 1	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)
2,4-Pentanediol, 2-methyl- (107-41-5)	
LC50 Fish 1	10500 (10500 - 11000) mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	2700 (2700 - 3700) mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Distillates, petroleum, solvent-dewaxed light paraffinic (64742-56-9)	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

**12.2 Persistence and Degradability**

Waterbase Ink	
Persistence and Degradability	Not established.
Alkylaryl polyether alcohol (Proprietary)	
Chemical Oxygen Demand (COD)	2 mg/l
ThOD	1.9 - 1.95
Dipropylene glycol monomethyl ether (34590-94-8)	
Persistence and Degradability	Readily biodegradable.

**12.3 Bioaccumulative Potential**

Waterbase Ink	
Bioaccumulative Potential	Not established.
Methyl alcohol (67-56-1)	
BCF Fish 1	< 10
Log Pow	-0.77
2-Butoxyethanol (111-76-2)	
Log Pow	0.81 (at 25 °C)
Octamethylcyclotetrasiloxane (556-67-2)	
BCF Fish 1	12400
Log Pow	5.1
Glutaraldehyde (111-30-8)	
Log Pow	0.22 (at 25 °C)
Silica, amorphous (7631-86-9)	
BCF Fish 1	(no bioaccumulation expected)
2-(Dimethylamino)ethanol (108-01-0)	
Log Pow	-0.55 (at 23 °C)
Dipropylene glycol monomethyl ether (34590-94-8)	
Log Pow	-0.064 (at 20 °C)
Bioaccumulative Potential	Not expected to bioaccumulate.
2,4-Pentanediol, 2-methyl- (107-41-5)	
Log Pow	< 0.14

**12.4 Mobility in Soil** ..... No additional data

**12.5 Other Adverse Effects** ..... Other information  
Avoid release to the environment

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods**

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology - Waste Materials:** Avoid release to the environment.

**SECTION 14: TRANSPORTATION INFORMATION**

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**14.1 In Accordance with DOT** .....Not regulated for transport

**14.2 In Accordance with IMDG** .....Not regulated for transport

**14.3 In Accordance with IATA** .....Not regulated for transport

**SECTION 15: REGULATORY INFORMATION**

**15.1 US Federal Regulations**

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Methyl alcohol (67-56-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	1.0 %
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
2-Butoxyethanol (111-76-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Octamethylcyclotetrasiloxane (556-67-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA
Glutaraldehyde (111-30-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Silica, amorphous (7631-86-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Dimethyl silicone polymer with silica (67762-90-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C))
2-(Dimethylamino)ethanol (108-01-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Dipropylene glycol monomethyl ether (34590-94-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
2-Methoxy-1-propanol (1589-47-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
2,4-Pentanediol, 2-methyl- (107-41-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Distillates, petroleum, solvent-dewaxed light paraffinic (64742-56-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

**15.2 US State Regulations**

<b>Methyl alcohol (67-56-1)</b>
U.S. - California - Proposition 65 - Developmental Toxicity
WARNING: This product contains chemicals known to the State of California to cause birth defects.
<b>Liquid Resin XK-190 (Proprietary)</b>
U.S. - California - Proposition 65 - Carcinogens List
WARNING: This product contains chemicals known to the State of California to cause cancer.
<b>Methyl alcohol (67-56-1)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List
<b>2-Butoxyethanol (111-76-2)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
<b>Glutaraldehyde (111-30-8)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
<b>Silica, amorphous (7631-86-9)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

**2-(Dimethylamino)ethanol (108-01-0)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

**Dipropylene glycol monomethyl ether (34590-94-8)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

**2,4-Pentanediol, 2-methyl- (107-41-5)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

**Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)**

- U.S. - Massachusetts - Right To Know List

**Distillates, petroleum, solvent-dewaxed light paraffinic (64742-56-9)**

- U.S. - Massachusetts - Right To Know List

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

Revision Date ..... 1/19/2017

Other Information ..... This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Acute Tox. 3 (Inhalation:vapor)	Acute toxicity (inhalation:vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment - Chronic Hazard Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4

Met. Corr. 1	Corrosive to metals Category 1
Repr. 1B	Reproductive toxicity Category 1B
Repr. 2	Reproductive toxicity Category 2
Resp. Sens. 1	Respiratory sensitisation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

**HMIS III Rating**

Health.....2 Moderate Hazard - Temporary or minor injury may occur  
 Flammability..... 1 Slight Hazard  
 Physical.....0 Minimal Hazard

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

GLAMOUR II

**MATERIAL SAFETY DATA SHEET**