Diamond Gel

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 12/20/2024 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Trade name : Diamond Gel

1.2. Other means of identification

No additional information available.

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Nail Care
Restrictions on use : All other uses not recommended above

1.4. Supplier's details

V Beauty Pure
2257 Vista Parkway
Ste 23
West Palm Beach, Florida 33411
T 888-390-4259
regulatory@vbeautypure.com

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 854185

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2A	H319	Causes serious eye irritation.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.

Full text of 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) : Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Precautionary statements (GHS US) : Avoid breathing fume, spray, mist, vapours.
Wash hands, forearms and face thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.
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 or attention.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available.

2.4. Hazards not otherwise classified

No additional information available.

2.5. Unknown acute toxicity

No additional information available.

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Bis-Hydroxyethyl Methacrylate Poly (Neopentyl Glycol Adipate)/IPDI Copolymer	CAS-No.: 82339-16-0	15 – 30	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
2-Methyl-2-propenoic acid, (tetrahydro-2-furanyl)methyl ester ; Tetrahydrofurfuryl methacrylate	CAS-No.: 2455-24-5	5 – 13	Aquatic Chronic 3, H412
Trimethylopropane Trimethacrylate	CAS-No.: 3290-92-4	5 – 13	Aquatic Chronic 2, H411
(1-Hydroxycyclohexyl)phenylmethanone	CAS-No.: 947-19-3	≤ 1	Aquatic Chronic 3, H412
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	CAS-No.: 162881-26-7	≤ 1	Skin Sens. 1A, H317 Aquatic Chronic 4, H413

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Rinse mouth out with water. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Inhalation of vapors may cause respiratory irritation.

Symptoms/effects after skin contact : May cause an allergic skin reaction. Irritation (itching, redness, blistering).

Symptoms/effects after eye contact : Causes serious eye irritation. Stinging, redness, itching, tears, blurred vision, swelling.

Symptoms/effects after ingestion : May cause irritation to the digestive tract.

Most Important Symptoms/Effects : Causes skin and eye irritation. May cause an allergic skin reaction.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry chemical, CO2, or water spray or regular foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Use extinguishing media appropriate for surrounding fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all personal contact including breathing in the mist, spray, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, remove ignition sources, ventilate area. Avoid breathing mist, spray, vapors, gas. Avoid contact with skin and eyes. Prevent other non-emergency personnel from entering the danger area.

For emergency responders

Protective equipment : Wear the recommended personal protective equipment.

Emergency procedures : Evacuate personnel to a safe area. Ventilate spillage area. Stop leak if safe to do so.

Environmental precautions : Do not let the product reach soil, drains, sewers, or surface and ground water.

6.2. Methods and materials for containment and cleaning up

For containment : Contain with non-combustible inert absorbent. Stop leak, if possible without risk. Spill area may be slippery.

Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection",For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing mist, spray, vapors, gas. Take precautionary measures against static discharge.

Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Keep cool. Avoid high temperatures.

Incompatible products : Strong oxidizers. Strong acids. Peroxides. Alkalis.

Heat-ignition : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:
Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:
Gloves. Handling product in bulk: Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent.

Eye protection:
Wear safety glasses which protect from splashes

Skin and body protection:
Body protection should be chosen depending on activity and possible exposure. Handling product in bulk: Wear protective clothing

Respiratory protection:
A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed and a NIOSH/MSHA or European Standard EN 149 approved respirator must be used if any of the following situations occur: workplace conditions warrant respirator use, or exposure limits are exceeded or if irritation or other symptoms are experienced

Personal protective equipment symbol(s):

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Color	:	Clear or Pigmented
Odor	:	No data available
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	> 100 °C / > 212 °F
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	> 1
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	Insoluble.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	≈ 4000 cP
Explosion limits	:	No data available
Particle characteristics	:	No data available

Bis-Hydroxyethyl Methacrylate Poly (Neopentyl Glycol Adipate)/IPDI Copolymer	
Particle characteristics	No data available

Tetrahydrofufuryl Methacrylate	
Particle characteristics	No data available

Trimethylopropane Trimethacrylate	
Particle characteristics	No data available

Hydroxycyclohexyl Phenyl Ketone	
Particle characteristics	No data available

Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available.

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials.

10.5. Incompatible materials

Oxidizing agents. Alkalis. Peroxides. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Nitrogen oxides. Carbon dioxide. Carbon monoxide.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Tetrahydrofufuryl Methacrylate	
LD50 oral rat	≈ 4000 mg/kg body weight
LD50 oral	3945 mg/kg
LC50 Inhalation - Rat (Vapours)	> 5 mg/l

Hydroxycyclohexyl Phenyl Ketone	
LD50 oral rat	> 2500 mg/kg body weight
LD50 dermal rat	> 5000 mg/kg body weight
LC50 Inhalation - Rat	> 1 mg/l air

Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
LD50 oral rat	> 2000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.

Hydroxycyclohexyl Phenyl Ketone	
pH	5.7

Serious eye damage/irritation : Causes serious eye irritation.

Hydroxycyclohexyl Phenyl Ketone	
pH	5.7

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Tetrahydrofufuryl Methacrylate	
NOAEL (animal/male, F0/P)	300 mg/kg body weight
NOAEL (animal/female, F0/P)	120 mg/kg body weight

Trimethylopropane Trimethacrylate	
NOAEL (animal/female, F0/P)	≥ 1000 mg/kg body weight

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Trimethylopropane Trimethacrylate	
LOAEL (oral,rat,90 days)	1000 mg/kg body weight
LOAEL (dermal,rat/rabbit,90 days)	300 mg/kg body weight
NOAEL (oral,rat,90 days)	300 mg/kg body weight
NOAEL (dermal,rat/rabbit,90 days)	300 mg/kg body weight

Hydroxycyclohexyl Phenyl Ketone	
NOAEL (oral,rat,90 days)	300 mg/kg body weight

Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
NOAEL (oral,rat,90 days)	> 1000 mg/kg body weight

Aspiration hazard : Not classified

Diamond Gel	
Viscosity, kinematic	No data available

Bis-Hydroxyethyl Methacrylate Poly (Neopentyl Glycol Adipate)/IPDI Copolymer	
Viscosity, kinematic	No data available

Tetrahydrofufuryl Methacrylate	
Viscosity, kinematic	No data available

Trimethylopropane Trimethacrylate	
Viscosity, kinematic	No data available

Bis-Hydroxyethyl Methacrylate Poly (Neopentyl Glycol Adipate)/IPDI Copolymer	
Hydroxycyclohexyl Phenyl Ketone	
Viscosity, kinematic	No data available
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
Viscosity, kinematic	No data available

Symptoms/effects after inhalation : Inhalation of vapors may cause respiratory irritation.
Symptoms/effects after skin contact : May cause an allergic skin reaction. Irritation (itching, redness, blistering).
Symptoms/effects after eye contact : Causes serious eye irritation. Stinging, redness, itching, tears, blurred vision, swelling.
Symptoms/effects after ingestion : May cause irritation to the digestive tract.
Most Important Symptoms/Effects : Causes skin and eye irritation. May cause an allergic skin reaction.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

Tetrahydrofufuryl Methacrylate	
LC50 - Fish [1]	34.7 mg/l
LC50 - Fish [2]	60.9 mg/l
EC50 72h - Algae [1]	> 100 mg/l
ErC50 algae	100 mg/l
LOEC (chronic)	97.3 mg/l
NOEC (chronic)	37.2 mg/l
NOEC chronic crustacea	37.2 mg/l
NOEC chronic algae	100 mg/l
Trimethylopropane Trimethacrylate	
LC50 - Fish [1]	2 mg/l
EC50 - Crustacea [1]	> 9.22 mg/l
Hydroxycyclohexyl Phenyl Ketone	
LC50 - Fish [1]	58.426 mg/l
EC50 - Crustacea [1]	53.9 mg/l
EC50 72h - Algae [1]	14.4 mg/l
EC50 72h - Algae [2]	4.68 mg/l
EC50 96h - Algae [1]	41.382 mg/l
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
LC50 - Fish [1]	> 0.09 mg/l
EC50 - Other aquatic organisms [1]	> 1.175 mg/l

Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
EC50 72h - Algae [1]	> 0.26 mg/l

12.2. Persistence and degradability

Diamond Gel	
Persistence and degradability	Not established.

Bis-Hydroxyethyl Methacrylate Poly (Neopentyl Glycol Adipate)/IPDI Copolymer	
Persistence and degradability	Not rapidly degradable

Tetrahydrofufuryl Methacrylate	
Persistence and degradability	Not rapidly degradable

Trimethylopropane Trimethacrylate	
Persistence and degradability	Not rapidly degradable

Hydroxycyclohexyl Phenyl Ketone	
Persistence and degradability	Not rapidly degradable

Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Diamond Gel	
Bioaccumulative potential	Not established.

Tetrahydrofufuryl Methacrylate	
Partition coefficient n-octanol/water (Log Pow)	1.8

Hydroxycyclohexyl Phenyl Ketone	
Partition coefficient n-octanol/water (Log Pow)	2.44

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Refer to all applicable national, international and local regulations or provisions.
Additional information : Do not re-use empty containers.
Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
	Not regulated	
No supplementary information available		

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Bis-HPMA Poly(1,4-Butanediol)-9/TMDI Copolymer	CAS-No. No Data	30 – 50%
Bis-HEA Poly(1,4-butanediol)-9/ IPDI Copolymer	CAS-No. No Data	15 – 30%

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Bis-Hydroxyethyl Methacrylate Poly (Neopentyl Glycol Adipate)/IPDI Copolymer (82339-16-0)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Tetrahydrofufuryl Methacrylate (2455-24-5)

Listed on the Canadian DSL (Domestic Substances List)

Trimethylopropane Trimethacrylate (3290-92-4)

Listed on the Canadian DSL (Domestic Substances List)

Hydroxycyclohexyl Phenyl Ketone (947-19-3)

Listed on the Canadian DSL (Domestic Substances List)

Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available.

National regulations

Tetrahydrofufuryl Methacrylate (2455-24-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Hydroxycyclohexyl Phenyl Ketone (947-19-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date : 12/20/2024

Full text of hazard classes and H-statements	
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

Full text of hazard classes and H-statements	
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

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.