



Water Base Polyurethane Gloss 225 VOC

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 2/22/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Water Base Polyurethane Gloss 225 VOC
Product code : GC3950

1.2. Recommended use and restrictions on use

Recommended use : Wood floors
Restrictions on use : All other uses not recommended above

1.3. Supplier

General Coatings Inc
4808 Farragut Rd
Brooklyn , New York 11203
T 718-469-8787
info@mercurypaint.com

1.4. Emergency telephone number

Emergency number : 1-800-858-8787
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 14251

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2 Causes skin irritation
Serious eye damage/eye irritation Category 2 Causes serious eye irritation
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : Causes skin irritation
Causes serious eye irritation
Precautionary statements (GHS US) : Wash hands, forearms and face thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If skin irritation occurs: Get medical advice/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/attention.

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2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
15.8% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
7% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
(2-Methoxymethylethoxy)propanol	CAS-No.: 34590-94-8	4-10	Flam. Liq. 4, H227
Triethylamine	CAS-No.: 121-44-8	1-2	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1, H314 Eye Dam. 1, H318

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. 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.
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	: 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.
First-aid measures after ingestion	: Rinse mouth and spit the fluids out. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	: Irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Stinging, redness, itching, tears, blurred vision, swelling.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting.
Most Important Symptoms/Effects	: Irritation to eyes, skin and respiratory tract.

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4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry chemical, CO₂, dry sand, or alcohol-resistant 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. Siloxanes.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Do not enter fire area without proper protective equipment, including respiratory protection. Eliminate all ignition sources if safe to do so. Get the package away from the fire if this can be done without risk.
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, gas. Do not take actions involving personal risks. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

6.1.1. 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. Avoid breathing mist, spray, vapors, gas. If possible without taking personal risks, remove ignition sources, ventilate area. No open flames, no sparks, and no smoking. Prevent other non-emergency personnel from entering the danger area.

6.1.2. For emergency responders

Protective equipment : Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Do not let the product reach soil, drains, sewers, or surface and ground water. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain with non-combustible inert absorbent.

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Methods for cleaning up : Small spill: Take up in non-combustible inert absorbent and place into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Contaminated absorbent material may pose the same hazard as the spilled 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. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

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 : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe mist, spray, vapors, gas. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep only in original container. Keep container closed when not in use. Stored containers should be periodically checked for general condition and leakage.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

(2-Methoxymethylethoxy)propanol (34590-94-8)

USA - ACGIH - Occupational Exposure Limits

Local name	Dipropylene glycol methyl ether (DPGME)
ACGIH OEL TWA	50 ppm
Remark (ACGIH)	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2024

USA - OSHA - Occupational Exposure Limits

Local name	Dipropylene glycol methyl ether
OSHA PEL TWA	600 mg/m ³ 100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Triethylamine (121-44-8)

USA - ACGIH - Occupational Exposure Limits

Local name	Triethylamine
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Triethylamine (121-44-8)	
ACGIH OEL TWA	0.5 ppm
ACGIH OEL STEL	1 ppm
Remark (ACGIH)	TLV® Basis: Visual impair; URT irr. Notations: Skin; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Triethylamine
OSHA PEL TWA	100 mg/m ³ 25 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation or process enclosure to keep the airborne concentrations below the permissible exposure limits.
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/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:
Protective gloves against chemicals (EN 374)
Eye protection:
Chemical goggles or face shield
Skin and body protection:
Wear suitable protective clothing. Body protection should be chosen depending on activity and possible exposure
Respiratory protection:
Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA compliant respiratory protection program.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid.
Appearance	: Liquid.
Color	: White

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Odor	: No data available
Odor threshold	: No data available
pH	: 8
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 212 °F / >100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.02
Solubility	: No data available
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	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

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

Stable under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Incompatible materials.

10.5. Incompatible materials

Strong acids. Strong bases. Strong reducing agents. Oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition generates : Siloxanes. 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

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Unknown acute toxicity (GHS US)	5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 15.8% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 7% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
(2-Methoxymethylethoxy)propanol	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rat	> 19020 mg/kg body weight
LD50 dermal rabbit	9510 mg/kg body weight
Triethylamine	
LD50 oral rat	730 mg/kg body weight
LD50 dermal rabbit	580 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation. pH: 8
Triethylamine	
pH	12.5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 8
Triethylamine	
pH	12.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
(2-Methoxymethylethoxy)propanol	
NOAEL (oral,rat,90 days)	1000 mg/kg body weight
Triethylamine	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	1.02 mg/l air
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Triethylamine	
Viscosity, kinematic	0.497 mm ² /s
Symptoms/effects after inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact	: Irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Stinging, redness, itching, tears, blurred vision, swelling.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting.
Most Important Symptoms/Effects	: Irritation to eyes, skin and respiratory tract.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

(2-Methoxymethylethoxy)propanol

LC50 - Fish [1]	> 1000 mg/l
EC50 - Other aquatic organisms [1]	1930 mg/l
EC50 72h - Algae [1]	> 969 mg/l
EC50 96h - Algae [1]	> 969 mg/l
LOEC (chronic)	0.5 mg/l
NOEC (chronic)	≥ 0.5 mg/l

Triethylamine

LC50 - Fish [1]	24 mg/l
EC50 72h - Algae [1]	8 mg/l
EC50 72h - Algae [2]	6.8 mg/l
LOEC (chronic)	14 mg/l
NOEC (chronic)	7.1 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
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 : Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.
Additional information : Flammable vapors may accumulate in the container. Do not re-use empty containers.
Ecological information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

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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	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US 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:

2-Methyl-4-isothiazolin-3-one	CAS-No. 2682-20-4	0.001%
Ammonium hydroxide	CAS-No. 1336-21-6	0.021%
Mercury Paints Only BYK- 347	CAS-No.	0.33%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Triethylamine	CAS-No. 121-44-8	1-2%
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Triethylamine (121-44-8)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	5000 lb
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15.2. International regulations

CANADA

Propylene Glycol (57-55-6)

Listed on the Canadian DSL (Domestic Substances List)

Ammonium hydroxide (1336-21-6)

Listed on the Canadian DSL (Domestic Substances List)

water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

Propylene glycol-propylene oxide polymer (25322-69-4)

Listed on the Canadian DSL (Domestic Substances List)

Poly(oxy-1,2-ethanediyl),a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]-1-disiloxanyl]propyl]-w-hydroxy- (67674-67-3)

Listed on the Canadian DSL (Domestic Substances List)

(2-Methoxymethylethoxy)propanol (34590-94-8)

Listed on the Canadian DSL (Domestic Substances List)

Dipropylene Glycol n-Butyl ether (29911-28-2)

Listed on the Canadian DSL (Domestic Substances List)

Iron(1+), chloro[dimethyl 9,9-dihydroxy-3-methyl-2,4-di(2-pyridinyl-.kappa.N)-7-[(2-pyridinyl-.kappa.N)methyl]-3,7-diazabicyclo[3.3.1]nonane-1,5-dicarboxylate-.kappa.N3,.kappa.N7]-, chloride (478945-46-9)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

Triethylamine (121-44-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Propylene Glycol (57-55-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

water (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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Propylene glycol-propylene oxide polymer (25322-69-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Poly(oxy-1,2-ethanediyl),a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]-1-disiloxanyl]propyl]-w-hydroxy- (67674-67-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

(2-Methoxymethylethoxy)propanol (34590-94-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Dipropylene Glycol n-Butyl ether (29911-28-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Triethylamine (121-44-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US 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

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Full text of H-phrases

H225	Highly flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled

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.