

Safety Data Sheet

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

The product is identified as **Crystal View Glass Cleaner**

1.2 Recommended and restrictions on use.

This substance or mixture is intended for use in the care and maintenance of boats, yachts, and other marine craft specifically those surfaces of gel coated fibreglass or painted steel.

1.3 Details of the supplier

Company Name:	APEX Marine Coatings
Street:	50 Housatonic Avenue, Stratford, CT 06615
E-mail:	mark@apexmarinecoatings.com
Telephone	1-646-706-3462

1.4 Emergency telephone number

Poison Control Center: 1-800-222-1222 (24 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq 3; H226
Eye Dam. 2A; H319
STOT-SE 3; H336

2.2. Label elements

Hazard components for labelling

Isopropanol, 1-methoxy-2-propanol

Signal Word

Warning

Pictograms



Hazard Statements

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements

P102	Keep out of reach of children
P280	Wear eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Safety Data Sheet

P264+P265	Wash hands thoroughly after handling. Do not touch eyes.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P243	Take action to prevent static discharges.
P242	Use non-sparking tools.
P301+P330+P331+P316	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call Poison Control Centre: 1-800-222-1222
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use water spray or foam to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P233	Keep container tightly closed
P501	Dispose of contents and container in accordance with local regulations

2.3 Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
Accumulation in closed or lower lying rooms signifies heightened risk of fire or explosion.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			15 - < 25 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
107-98-2	1-methoxy-2-propanol			1 - < 5 %
	203-539-1	603-064-00-3	01-2119457435-35	
	Flam. Liq. 3, STOT SE 3; H226 H336			

3.2 Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	15 - < 25 %
	inhalation: LC50 = 30 mg/l (vapours); dermal: LD50 = 13400 mg/kg; oral: LD50 = 4570 mg/kg		
107-98-2	203-539-1	1-methoxy-2-propanol	1 - < 5 %
	dermal: LD50 = 11000 mg/kg; oral: LD50 = > 5000 mg/kg		

Safety Data Sheet

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If victim is at risk of losing consciousness, position and transport on their side. Remove affected person from the danger area and lay down.

After inhalation

Following inhalation: Move victim to fresh air. Instruct person to keep calm and warm. If unconscious but breathing normally, place in recovery position and seek medical advice. Call a doctor immediately

After contact with skin

Remove contaminated, saturated clothing immediately. Wash skin immediately with plenty of water and soap. After cleaning apply high-fat content skin care cream.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Drink water in little sips (dilution effect). In case of accident or unwellness, Do **NOT** induce vomiting. If swallowed, **Call Poison Control Centre: 1-800-222-1222** (show directions for use or safety data sheet if possible).

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

The following symptoms may occur: Nausea. vomiting. unconsciousness.

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

After ingestion, in the case of spasms: diazepam intravenously. (10-20mg)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn. The formation of combustible vapours is possible at temperatures above: 10°

Suitable extinguishing media - Alcohol Resistant Foam, Extinguishing Powder, Water Spray, Atomized Water, Carbon Dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus and protective clothing.

Additional information

Safety Data Sheet

In case of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must not get into the sewerage network. Remove product from area of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Ventilate affected area.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Vapors are heavier than air and will spread at floor level.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation of aerosol. Use only in well-ventilated areas.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

Advice on general occupational hygiene

Do not breathe gas/vapour/aerosol. Avoid contact with eyes. Work in well-ventilated zones or use proper respiratory protection. Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature up to <30°C

7.3 Specific end use(s)

This substance or mixture is intended for use in the care and maintenance of boats, yachts, and other marine craft specifically those surfaces of gel coated fibreglass or painted steel

Safety Data Sheet

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls / personal protection

Individual protection measures, such as personal protective equipment eye/face protection

Tightly sealed safety glasses.

Hand protection

Suitable Materials

When handling with chemical substances, protective gloves must be worn including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves are to be worn.

NBR (Nitrile rubber), FKM (fluoro rubber(viton)), Butyl caoutchouc (butyl rubber), PVA (Polyvinyl alcohol)

Unsuitable Materials

CR (polychloroprene, chloroprene rubber), NR (Natural rubber (Caoutchouc), Natural Latex, PVC (Polyvinyl chloride)

Skin protection

Body protection: not required

Respiratory protection

Respiratory protection necessary at: insufficient ventilation. Insufficient absorbtion. high concentration. Handling larger quantities. Full-/Half-/Quarter-Masks (DIN EN 136/140

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Color	Clear blue
Odor	alcohol
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range	92 °C
Flammability	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	12 vol. %
Flash point:	25 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	3,5-4,0
Viscosity / kinematic:	not determined
Water solubility:	miscible
Solubility in other solvents	not determined

Safety Data Sheet

Partition coefficient n-octanol/water:	not determined
Vapour pressure (at 20 °C)	Not determined
Density (at 20 °C)	0.95 g/cm ³
Relative vapour density	not determined
Particle characteristics	not determined

9.2. Other information

Information regarding physical hazard classes

Explosive properties	In use, may form flammable/explosive vapour-air mixture
Self-ignition temperature	
Solid:	not applicable
Gas	not determined
Oxidizing properties	not oxidizing

Other safety characteristics

Evaporation rate	not determined
Solvent separation test	not determined
Solvent content	27.5%
Viscosity / dynamic:	not determined

Further Information

Not combustible

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No risks worthy of mention.

10.4. Conditions to avoid

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

10.5. Incompatible materials

Oxidizing agents, strong

10.6. Hazardous decomposition products

No risks worthy of mention.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ATE mix calculated

Safety Data Sheet

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 4750 mg/kg	Rat	IUCLID	
	dermal	LD50 13400 mg/kg	Rabbit		
107-98-2	1-methoxy-2-propanol				
		LD50 >5000 mg/kg	Rat		
		LD50 11000 mg/kg	Rabbit		

Irritation and corrosivity

After skin contact: mild irritant.

Irritant effect on the eye: strongly irritant

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

Has de-greasing effect on the skin. Apply skin care products after work

11.2 Information on other hazards

Endocrine disrupting properties

No data available

SECTION 12: Ecological information

Not required by OSHA HCS.

Contact APEX Marine Coatings for additional information.

SECTION 13: Disposal considerations

Not required by OSHA HCS.

Dispose in accordance with applicable regulations. Do not discharge to sewer. Refer to Section 8 for exposure controls.

SECTION 14: Transport information

Not required by OSHA HCS.

Safety Data Sheet

SECTION 15: Regulatory information

Not required by OSHA HCS.

SECTION 16: Other information

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. APEX Marine Coatings MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE.

User is responsible for determining whether the APEX Marine Coatings product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of an APEX Marine Coatings product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the APEX Marine Coatings product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

APEX Marine Coatings provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, APEX Marine Coatings makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from APEX Marine Coatings.