

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.04.2021

Version number 1

Revision: 06.04.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Invisible Glass® Anti-fog

Product Code(s): 08107

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of Use: Product supplied for both public and professional use

Application of the substance / the preparation: Anti-fog glass treatment.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Stoner Incorporated
1070 Robert Fulton Hwy.
Quarryville, PA 17566
United States
Tel: +1 717-786-7355
Fax: +1 717-786-4665
Email: dswartz@stonersolutions.com

Further information obtainable from:

B-Lands Consulting
Tel: +33 476 295 869 ; www.reachteam.eu

1.4 Emergency telephone number(s):

CHEMTREC: +1 703-741-5970 (24h)

NHS Direct: 111

National Poisons Information Service (NPIS): 0121 507 4123 (healthcare professionals only).

Ireland - National Poisons Information Centre: 01 837 9964 or 01 809 2566 (healthcare professionals only).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS02 GHS07

Signal word: Danger

Hazard-determining components of labelling:

Propan-2-ol

Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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| | |
|----------------|--|
| P103 | Read label before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| 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. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Hazardous components:**

| | | |
|----------------------------|---|--------|
| CAS: 67-63-0 | Propan-2-ol | 60-80% |
| EINECS: 200-661-7 | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | |
| Index number: 603-117-00-0 | | |

Additional information: For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****After inhalation:** Move patient to fresh air, if symptoms persist consult a doctor.**After skin contact:** Immediately wash with water and soap and rinse thoroughly.**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**5.2 Special hazards arising from the substance or mixture**

This product contains a component(s) that is considered flammable, which has vapors that are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, or other flames and ignition sources at locations distant from the material's handling point.

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Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources.

6.2 Environmental precautions Do not allow to enter sewers/ surface or ground water.**6.3 Methods and material for containment and cleaning up**

Dispose of the material collected according to official regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling** Keep away from heat and direct sunlight.**Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Store away from oxidising agents.**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.**7.3 Specific end use(s):** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****67-63-0 Propan-2-ol**

| | |
|---------------------|--|
| WEL (Great Britain) | Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm |
|---------------------|--|

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Safety data sheet

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Protective gloves.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection:

Safety glasses with side-shields (EN 166).

Body protection: Protective work clothing.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form: Liquid.
Colour: Colourless.

Odour: Alcohol-like.
Odour threshold: Mild.

pH-value: Not determined.**Melting point/freezing point:** Not determined.**Initial boiling point and boiling range:** Not determined.**Flash point:** 12.2 °C**Flammability (solid, gas):** Not determined.**Ignition temperature:** 465 °C**Decomposition temperature:** Not determined.**Explosive properties:** Product does not present an explosion hazard.**Explosion limits:**

Lower: 2.1 Vol %
Upper: 12.7 Vol %

Oxidising properties Not determined.**Vapour pressure:** Not determined.**Density:** Not determined.**Relative density** 0.84**Vapour density** >1 (air=1)**Evaporation rate** Not determined.**Solubility in / Miscibility with****Water:** Fully miscible.**Partition coefficient: n-octanol/water:** Not determined.**Viscosity:**

Dynamic: Not determined.
Kinematic: Not determined.

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No further relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity** No data available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid**

Avoid contact with: Ignition sources such as open flames, sparks, static discharges or glowing metal surfaces.

10.5 Incompatible materials Avoid strong oxidants, strong alkalis and strong acids.**10.6 Hazardous decomposition products** Carbon monoxide and carbon dioxide.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values:****67-63-0 Propan-2-ol**

| | | |
|------------|---------|----------------------|
| Oral | LD50 | 5045 mg/kg (Rat) |
| Dermal | LD50 | 12800 mg/kg (Rabbit) |
| Inhalative | LC50/4h | 30 mg/L (Rat) |

Primary irritant effect:**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.**Serious eye damage/irritation:**

Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.**CMR effects (carcinogenicity, mutagenicity and toxicity 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:**

May cause drowsiness or dizziness.

STOT-repeated exposure: Based on available data, the classification criteria are not met.**Aspiration hazard:** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Additional environmental information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): Slightly hazardous for water.

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Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation:** Disposal must be made in accordance with official regulations.**Uncleaned packaging:****Recommendation:**

Disposal must be made in accordance with official regulations.

Packaging that may not be cleansed must be disposed of in the same manner as the product.

SECTION 14: Transport information**14.1 UN Number****ADR, IMDG, IATA**

UN1219

14.2 UN proper shipping name**ADR**1219 ISOPROPANOL (ISOPROPYL ALCOHOL)
solution**IMDG, IATA**

ISOPROPANOL (ISOPROPYL ALCOHOL) solution

14.3 Transport hazard class(es)**ADR, IMDG, IATA****Class**

3 Flammable liquids.

Label

3

14.4 Packing group**ADR, IMDG, IATA**

II

14.5 Environmental hazards**Marine pollutant:**

No

14.6 Special precautions for user**Hazard identification number (Kemler code):**

Warning: Flammable liquids.

33

EMS Number:

F-E,S-D

Stowage Category

B

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

Not applicable.

Transport/Additional information:**ADR****Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Tunnel restriction code:

D/E

IMDG**Limited quantities (LQ)**

1L

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Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU**Named dangerous substances - ANNEX I** None of the ingredients are listed.**Seveso category** P5c FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients are listed.

15.2 Chemical safety assessment A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3