

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.04.2010

Revision: 20.04.2010

* 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Glass Protector
- **Application of the substance / the preparation** Hydrophobing agent/ water repellent
- **Manufacturer/Supplier:**
Saniwow
Bosstraat 63A
5553 CK Valkenswaard
The Netherlands
Tel: +31 40 20 41115
Fax: +31 40 20 48758
E-mail: info@saniwow.com
- **Further information obtainable from:** Product safety department.
- **Information in case of emergency:** Tel: +31 402 041 115

* 2 Hazards identification

- **Hazard description:**



Xi Irritant
F Highly flammable

- **Information concerning particular hazards for human and environment:**

Has a narcotizing effect.
R 11 Highly flammable.
R 36 Irritating to eyes.
R 67 Vapours may cause drowsiness and dizziness.

* 3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**
67-63-0 Propan-2-ol
- **Identification number(s)**
- **EINECS Number:** 200-661-7
- **Index number:** 603-117-00-0

4 First-aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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· **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
 - Prevent seepage into sewage system, workpits and cellars.
 - Dilute with plenty of water.
 - Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 - Protect from frost.
 - Keep container tightly sealed.
 - Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

67-63-0 Propan-2-ol (75-100%)

WEL	Short-term value: 1250 mg/m ³ , 500 ppm
	Long-term value: 999 mg/m ³ , 400 ppm

- **CAS No. Designation of material % Type Value Unit**
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes.
 - Avoid contact with the eyes and skin.

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· Respiratory protection:

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

· Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:

Tightly sealed goggles

Goggles recommended during refilling

· Body protection: Use protective suit.

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9 Physical and chemical properties

· General Information

Form:	Liquid
Colour:	Clear
Odour:	Alcohol-like

· Change in condition

Melting point/Melting range: -89°C

Boiling point/Boiling range: 82°C

· Flash point: 12°C (DIN 53213)

· Ignition temperature: 425°C

· Danger of explosion: *Product is not explosive. However, formation of explosive air/vapour mixtures are possible.*

· Explosion limits:

Lower: 2 Vol %

Upper: 13 Vol %

· Vapour pressure At 20°C: 43 hPa

· Density At 20°C: 0.78 g/cm³ (DIN 51757)

· Solubility in / Miscibility with

water At 20°C: 1 g/l

· pH-value At 20°C:

· Organic solvents: 89.0 %

· Solids content: 11.0 % (DIN 53216)

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· Additional information:

VOC (EU): 98.50 %

VOC (EU): 788.0 g/l

10 Stability and reactivity**· Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· Materials to be avoided:· **Dangerous reactions** No dangerous reactions known.· **Dangerous decomposition products:** No dangerous decomposition products known.**11 Toxicological information****· Acute toxicity:****· LD/LC50 values relevant for classification:****67-63-0 Propan-2-ol**

Oral LD50 5045 mg/kg (RAT)

Dermal LD50 12800 mg/kg (RABBIT)

Inhalative LC50/4 h >20 mg/l (RAT)

· Primary irritant effect:· **on the skin:** No irritant effect.· **on the eye:** Irritating effect.· **Sensitization:** No sensitizing effects known.**12 Ecological information****· Additional ecological information:****· General notes:**

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

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

13 Disposal considerations**· Product:****· Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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14 Transport information

· Land transport ADR/RID (cross-border)



- ADR/RID class: 3 Flammable liquids.
- Danger code (Kemler): 33
- UN-Number: 1993
- Packaging group: II
- Hazard label: 3
- Description of goods: 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), special provision 640D
- Tunnel restriction code D/E

· Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1993
- Label: 3
- Packaging group: II
- EMS Number: F-E,S-E
- Marine pollutant: No
- Proper shipping name: FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

· Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1993
- Label: 3
- Packaging group: II
- Proper shipping name: FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



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· **Risk phrases:**

- 11 Highly flammable.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 2 Keep out of the reach of children.
- 7/9 Keep container tightly closed and in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

· **National regulations:**· **Technical instructions (air):**

Class	Share in %
NK	98.5

- **Waterhazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.

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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.

- **Department issuing MSDS:** Product safety department.
- **Contact:**
H.M.J. van de Donk
Director R&D
- *** Data compared to the previous version altered.**

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