

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Invisible Shield Pro15 – 950ml/20L**
 Product Code: ISSPP9/ISSPP20
 Product Use: Invisible Shield PRO15 is an ultra-durable, invisible water, soil & stain repellent coating for glass, porcelain & ceramics. With correct application and regular maintenance, it offers 15 years of warranted protection.

Restriction of use: Refer to Section 15

New Zealand Supplier: **Glasscorp Limited**
 Address: **124 Bush Road
 Albany
 Auckland
 New Zealand**

Telephone: 09 415 6338
 Fax Number: 09 415 6339
 Website: www.glasscorp.co.nz

Emergency Telephone: 09 415 6338 or 0800 764 766 (National Poison Line)

Glasscorp date of issue: 27 July 2020

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

Pictograms:



Flammable

Irritant

Signal Word: **DANGER**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

Prevention Code	Prevention Statement
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.

P241	Use explosion-proof electrical, ventilating and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response code	Response Statement
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use CO2, dry chemical or foam for extinction.

Storage Code	Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Triple rinse and dispose of according to local regulations

Section 3. Composition / Information on Ingredients

Hazardous Ingredients	Cas Number	Weight
Ethyl Alcohol	67-17-5	92-96
Polydimethylsiloxane	63148-62-9	8-4

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Avoid contact with eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.
If on Skin	Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
If Swallowed	Do not ingest. If ingested: If swallowed, do not induce vomiting. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.
If Inhaled	Avoid breathing vapor or mist. If inhaled: In case of accident by inhalation, remove victim to fresh air and keep at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Most important symptoms and effects, both acute and delayed**Symptoms:**

Swallowed:	Not applicable
Inhaled:	Not applicable
Eyes:	Causes severe eye irritation.
Skin:	Not applicable.
Chronic:	Not applicable

Notes to the physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable Liquid. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back
Hazards from combustion products	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
Suitable Extinguishing media	Use CO2, dry chemical, water spray or foam.
Precautions for firefighters and special protective clothing	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures**Equipment and emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment as detailed in Section 8.

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

Section 7. Handling and Storage**Precautions for safe handling:**

- Read label before use.
- Do not ingest.

- Avoid contact with eyes, skin and clothing.
- Avoid breathing vapour or mist.
- Only use with adequate ventilation and is inadequate wear the appropriate ventilator.
- Do not enter storage areas and confined spaces unless adequately ventilated.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Empty containers retain product residue and can be hazardous. Do not reuse container.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Workers should wash hands and face before eating, drinking and smoking.
- Remove contaminated clothing and protective equipment before entering eating areas.
- Wear protective clothing as detailed in Section 8.

Precautions for safe storage:

- Store in a segregated and approved area.
- Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.
- Eliminate all ignition sources.
- Separate from oxidizing materials.
- Keep container tightly closed and sealed until ready for use.
- Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- Do not store in unlabeled containers.
- Use appropriate containment to avoid environmental contamination.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	mg/m ³	STEL ppm	mg/m ³
Ethanol (Ethyl alcohol) [64-17-5]	1,000	1,880	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION

Engineering Controls:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Personal Protection Equipment



Eyes	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
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Hands and Skin	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body and appropriate footwear should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
General	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9 Physical and Chemical Properties

Appearance	Clear liquid
Odour	Ethanol
Odour Threshold	Not available
pH	3 [Conc. (% w/w): 1%]
Boiling Point	78°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	Closed cup: 10°C (50°F) [Pensky-Martens.]
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	4.4 kPa (33 mm Hg) [room temperature]
Vapour Density	>1 [Air = 1]
Relative Density	0.792
Specific Gravity	Not available
Soluble in water	Soluble in water (100g/l)
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Water

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible Materials	Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
Hazardous Decomposition Products	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes severe eye irritation.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Acute Toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol (64-17-5)	= 7 g/kg (Rat)	-	= 124700 mg/m ³ (Rat) 4 h vapour

Irritation/Corrosion

Chemical Name	Result	Species	Exposure
Ethyl Alcohol (64-17-5)	Eyes - Moderate irritant Skin - Moderate irritant Eyes - Mild irritant	Rabbit Rabbit Rabbit	100 µL 24 hours 20 mg 24 hours 500 mg

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Chemical Name	Result	Species	Exposure
Ethyl Alcohol (64-17-5)	Acute EC50 17.921 mg/L Marine water Acute EC50 2000 µg/L Fresh water Acute LC50 25500 µg/L Marine water Acute LC50 42000 µg/L Fresh water Chronic NOEC 4.995 mg/L Marine water Chronic NOEC 0.375 µl/L Fresh water	Algae - Ulva pertusa Daphnia - Daphnia magna Crustaceans - Artemia franciscana – Larvae Oncorhynchus mykiss Algae - Ulva pertusa Fish - Gambusia holbrooki - Larvae	96 hours 48 hours 48 hours 4 days 96 hours 12 weeks

Product:	
Persistence and degradability	No data available for product Ethanol: LogPow = -0.32 BCF = - Potential = low
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste –Flammable" and that the label also has the Flammable Pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	1170
Class - Primary	3
Packing Group	II
Proper Shipping Name	ETHANOL SOLUTION
Marine Pollutant	No
Special Provisions	If the product's individual container is below 1L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

HSNO Classification: 3.1B, 6.4A

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handlers	Not required
Location Certificate	100L(>5L), 250L(<5L), 50L open
Signage Trigger Quantities (Schedule 3)	250L (3.1B)
Emergency Response Plan (Schedule 5)	1000L(3.1B)
Secondary Containment (Schedule 5)	1000L(3.1B)
Tracking (Schedule 26)	Not required
Fire Extinguishers	250L = 2 x required
Restriction of use	Only for intended use.

Section 16 Other Information

Glossary

AWC	Aggregate water capacity.
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Issue Date: 27 July 2020

Review Date: 27 July 2025