

Conform to Regulation (EC) No.1907/2006(REACH),Annex II and Regulation(EC) No.1272/2008

SAFETY DATA SHEET

Version Number: 01

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

1.1 Product identifier

Product Name UV Shield

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

Product use Water based surface finish,

Method of use See Technical Data Sheet

1.3 Details of the supplier of the safety data sheet

MagicEzy PTY Limited
PO Box 5083, Maroochydore, QLD 4558
Australia

Emergency Telephone number +6175456 4110 Available Monday – Friday, 8:00 a.m. – 5:00 p.m.

Telephone number USA Poisons Centre 1-800 222 1222
Australian National Poison Centre: 131-126

e-mail address info@magicezy.com

Version V01

Date of previous issued Not applicable

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Product definition Mixture

Classification according to Regulation (EC) No.1272/2008 [CLP/GHS]

EUH208

Not classified

Ingredients of unknown toxicity 0%

Ingredients of unknown Eco toxicity

Classification according to Directive 1999/45/EC [DPD]

Xi

Irritation

R36

Irritating to eye

See Section 16 for the text of the R phrases or H statements declared above

See section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



Signal word

Hazard statements

Warning

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation

Precautionary statements

General	P102 - Keep out of reach of children.
Prevention	P101 - If medical advice is needed, have product container or label at hand.
Response	P262 - Do not get in eyes, on skin, or on clothing.
Storage	P264 Wash hands thoroughly after handling.
Disposal	P280 Wear protective gloves/ protective clothing/eye protection/face protection. Not applicable.
Supplemental label elements	Not Applicable
Risk Phrases	R20/21/22 Harmful by inhalation, in contact with the skin and if swallowed. R36/38 Irritating to eyes and skin. R41 Risk of serious damage to the eyes R48/20 (Harmful: danger of serious damage to health by prolonged exposure through inhalation).
Safety Phrases	S24/25 Avoid contact with skin and eyes. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable
<u>Special packaging requirements</u>	
Containers to be fitted with child-resistant fastenings	Not applicable
Tactile warning of danger	Not applicable
2.3. Other hazards	
Other hazards which do not result in classification	None known

SECTION 3. Composition /information on ingredients

Substance / Mixture: Mixture

Product/Ingredient name	Identifies	% (W/W)	Classification	
			67/548/EEC	Regulation(EC) No. 1272/2008 [CLP]
N-methyl-2-pyrrolidone	REACH#: 01-2119472430-46 EC:212-828-1 CAS:872-50-4 Index: 606-021-00-7	<3	Repr.Cat 2: R61 Xi; R36/37/38	Skin Irrit. 2,H315 Eye Irrit. 2, H319 Repr. 1B,H360D STOT SE 3, H335
Polyoxyethylene isodecyl ether	REACH#: EC: CAS: 61827-42-7	>2; <5	Xn; R22 R41	Acute Tox. 4; H302 Eye Dam. 1; H318
Trimethoxysilane	EC: 219-784-2 CAS: 2530-83-8 REACH#:	>1 ; < 5	R10 R67	Flam. Liq. 3; H226 STOT SE 3; H336
Dipropylene Glycol	REACH#: 01-2119456811-38 EC: 246-770-3 CAS: 25265-71-8	>5, <10	Not classified	Not classified

SECTION 4. First aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Eye contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	If swallowed, seek medical attention immediately and show the container or label. Keep person warm and at rest. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
4.2. Most important symptoms and effects, both acute and delayed	<p>There are no data available on the mixture itself. The mixture is not classified as dangerous according to Directive 1999/45/EC and its amendments.</p> <p>Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non- allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.</p>
4.3. Indication of any immediate medical attention and special treatment needed	
Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment.
See toxicological information (Section 11)	

SECTION 5.**Fire fighting measures**

Extinguishing media**Suitable extinguishing media**

Recommended: alcohol-resistant foam, Carbon dioxide , powder water spray.

Unsuitable extinguishing media

Do not use water jet

5.2. Special hazards arising from the substance or mixture**Hazards from the substance or mixture**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3. Advice for firefighters**Special protective actions for fire fighters**

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire fighters

Appropriate breathing apparatus may be required

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures**For non-emergency personnel**

Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2. Environmental precaution

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and materials for containment and clean up.

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). Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information

SECTION 7. Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or watercourses.
7.2 Conditions for safe storage including any incompatibilities	Store in accordance with local regulations. Notes on joint storage Keep away from: oxidising agents, strong alkalis, strong acids. Additional information on storage conditions Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep container tightly closed. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
7.3 Specific end use(s)	Not available
Recommendations	Not available
Industrial sector specific solutions	

SECTION 8. Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

8.1 Control parameters**Occupational exposure limits**

No exposure limit value known.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available

PNECs

No PNECs available

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working

Individual protection measures

Hygiene measures

period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection Use safety eyewear designed to protect against splash of liquids.

Skin protection

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Gloves For prolonged or repeated contact use protective gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Skin should be washed after contact.

Use chemical resistant gloves classified under Standard EN 374: Protective

gloves against chemicals and micro-organisms. Recommended gloves: Viton® or Nitrile Breakthrough Time: 480 min

When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors

such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Body protection

Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

Other skin protection

: Appropriate footwear and any additional skin protection measures 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 protection

: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

OLD LEAD-BASED PAINTS:

When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead-pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

Where possible wet sanding or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry sanding cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.

Respiratory protection in case of dust or spray mist formation. (particle filter EN143 type P2) Respiratory protection in case of vapour formation. (half mask with combination filter A2-P2 till concentrations of 0,5 Vol%.)

The current Control of Lead at Work Regulations approved code of practice should be consulted for advice on protective clothing and personal hygiene precautions. Care should also be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by the professional painting contractor as Hazardous Waste.

Extra precautions will also need to be taken when burning off old lead-based paints because fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Similar precautions to those given above about sanding

should be taken with reference to protective clothing, disposal of scrapings and dusts, and exclusion of other personnel and especially children from the building during actual work and the subsequent clean up operations.

Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

Environmental exposure controls

Do not allow to enter drains or watercourses.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:

Clear liquid

Colour:

Colourless to slightly white

Odour:

Mild pungent

Odour threshold:

pH :

6-7

Melting point/freezing point :

0°C

Initial boiling point and boiling range

100 °C

Flash point:

Not available

Evaporation rate:

Not available

Upper/lower flammability or explosive limits

Not available

Not available

Vapour density

Not available

Relative density

Solubility(ies)

1.010

Solubility in water	Easily soluble in water
Partition coefficient: n-octanol/ water	Can be diluted with water
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information

No additional information	Not available
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SECTION 10. **Stability and reactivity**

10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	Stable under recommended storage and handling conditions (See Section7).
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products.
10.5 Incompatible materials	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 5-chloro-2-methyl-4-isothiazolin-3-one/2-methyl-4-isothiazol (CIT/MIT). May produce an allergic reaction.

Acute toxicity estimates

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact :

Inhalation :

Skin contact :

Ingestion

Potential chronic health effects

General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

SECTION 12. Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

Conclusion/Summary Not available

12.2 Persistence and degradability
Conclusion/Summary Not available

12.3. Bioaccumulative potential Not available

12.4. Mobility in soil Not available

Soil/water partition : coefficient (KOC) Not available

Mobility Not applicable.

12.5 Results of PBT and vPvB assessment P: Not available. B: Not available. T: Not available.

PBT : Not applicable.

vPvB vP: Not available. vB: Not available.

12.6 Other adverse effect No known significant effects or critical hazards

SECTION 13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods**Product****Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

: The classification of the product may meet the criteria for a hazardous waste.

Disposal considerations

: Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging**Methods of disposal**

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Disposal considerations

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
14.6 Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage			
Additional information	-	-	-	-

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

: Not available

UN Number Not specified

UN Proper shipping name Water Based filler. Non Hazardous.

Class Not restricted

Subsidiary risk None

Packing Group N.O.S.

Special precautions for user The use of a quantity of material in an unventilated or confined space may result in increased exposure or an irritating atmosphere developing. Before commencing consider the use of mechanical ventilation to control exposure.

Hazchem Code Not specified.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

Ingredient Name	Intrinsic property	Status	Reference number	Date of revision
1-methyl-2-pyrrolidone	Toxic to reproduction	Candidate	ED/31/2011	6/30/2011

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

Other EU regulations:

Product/Ingredient Name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
N-methyl-2-pyrrolidone	=	=	Repr.1B,H360D (Unborn child)	=

VOC: Not applicable.

National regulations

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Ingredient name: Not listed.

Montreal Protocol (Annexes A, B, C, E)

Ingredient name : Not listed

Stockholm Convention on Persistent Organic Pollutants

Ingredient name: Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Ingredient name: Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Ingredient name: Not listed.

15.2 Chemical safety: No Chemical Safety Assessment has been carried out. assessment

SECTION 16. OTHER INFORMATION

Classification	Justification
Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360D (Unborn child) STOT SE 3, H335	Calculation method
	Calculation method
	Calculation method
	Calculation method

Full text of abbreviated H statements

H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H360D	May damage the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Acute Tox.4,H302	Acute toxicity (Oral) –Category 4
Acute Tox. 4 , H312	Acute toxicity (dermal)-Category 4
Acute Tox 4, H332	Acute toxicity (inhalation)-Category 4
Repr.1B , H360D	Toxic to reproduction (unborn child) –Category 1B
STOT SE 3,H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) Respiratory tract irritation – Category 3

Full text of abbreviated R phrases: R20/21/22 –Harmful by inhalation, in contact with skin and if swallowed.

Full text of classifications [DSD/DPD] : Xn – Harmful

Xi - Irritant

Abbreviations and acronyms:

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

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Safety data sheets are updated frequently. Please ensure that you have a current copy.

END OF SDS