

Product Primex Ultra - White Pigmented Shellac Primer
 Revision date 18 September 2020
 Revision 2



Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

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

1.1 Product identifier

Product name	Primex Ultra - White Pigmented Shellac Primer
Synonyms, Trade names	No information available.

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

Identified uses	This is a single pack, air drying, shellac based paint with rapid drying and excellent adhesion, intended for use as a primer and/or sealer onto a variety of different substrates.
Uses advised against	For industrial and professional use only. Any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier	Castle Paints Ltd Cloncollig Industrial Estate Tullamore Offaly R35 X993 Ireland Tel: 353 (0)579351583 info@castlepaints.ie
Contact person	

1.4 Emergency telephone number

Emergency telephone	Emergency medical information: 8am - 10pm (Seven Days) contact National Poison Center, Beaumont Hospital. Telephone: +353 (0) 18092166
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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)	
Physical and chemical hazards	Flam. Liq 3- H226
Human health	Not classified
Environment	Not classified

2.2 Label elements

Contains	Not applicable
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Label in accordance with (EC) no. 1272/2008



Signal word	Warning
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Hazard statements	H226 Flammable liquid and vapour.
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Precautionary statements	Prevention P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking. P280 Wear protective gloves/ protective clothing/eye protection/face protection.
	Response

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P370 + P378 In case of fire: Use dry chemical, foam or carbon dioxide for extinction.

Storage

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

Disposal

P501 Dispose of contents/ container to a licensed hazardous waste disposal facility in accordance with all applicable regulations.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
Ethanol	CAS-No.: 64-17-5 EC No.: 200-578-6 REACH Reg No.: 01-2119457610-43-XXXX	Eye Irrit.2A - H319, Flam. Liq 2- H225	30-40%
titanium dioxide	CAS-No.: 13463-67-7 EC No.: 236-675-5 REACH Reg No.: 01-2119489379-17-XXXX		15-20%
methanol	CAS-No.: 67-56-1 EC No.: 200-659-6 REACH Reg No.: 01-2119433307-44-XXXX	Acute Tox 3 - H301, Acute Tox 3 - H311, Acute Tox 3 - H331, Flam. Liq 2- H225, STOT SE 1 - H370	1-2%
Quartz (SiO ₂)	CAS-No.: 14808-60-7 EC No.: 238-878-4		0.1-0.9%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures

4.1 Description of first aid measures

General information

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. First aid personnel must be aware of own risk during rescue.

Inhalation

If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If breathing has stopped or the exposed person experiences difficulty in breathing, administer artificial respiration and seek immediate medical assistance.

Ingestion

If this product is ingested, remove victim immediately from source of exposure. Thoroughly rinse the mouth with water. DO NOT induce vomiting! If swallowed, seek medical advice immediately and show the container or label. If vomiting occurs, keep head low so that stomach content doesn't enter the lungs. Never give anything by mouth to an unconscious person.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash exposed area with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues after rinsing.

Eye contact

Avoid contaminating unaffected eye. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Remove contact lenses if present and easy to do so. Continue to rinse for at least 15 minutes. Get prompt medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Inhalation of high concentrations of vapours may cause irritation of the respiratory tract or

Ingestion	dizziness.
Skin contact	May cause discomfort if swallowed.
Eye contact	Prolonged contact may cause redness, irritation and dry skin. May cause temporary eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician	Treat symptomatically.
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Section 5: Fire-fighting measures**5.1 Extinguishing media**

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Dry chemical, foam or carbon dioxide.
Unsuitable extinguishing media	High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	Combustion products may include and are not limited to: Nitrogen oxides (NOx). Oxides of carbon.
Unusual fire & explosion hazards	The product is classified as a flammable liquid and vapour. Vapours are heavier than air and may spread near ground to sources of ignition. Do not allow to enter drains, sewers, basements and workpits, or any place where its accumulation can be dangerous.
Specific hazards	When heated and in case of fire, harmful vapours/gases may be formed.

5.3 Advice for firefighters

Special fire fighting procedures	Ventilate closed spaces before entering them. Water spray should be used to cool containers. If possible, fight fire from protected position. Containers close to fire should be removed immediately or cooled with water if safe to do so. Keep up-wind to avoid fumes.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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

For non-emergency personnel	Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Keep unnecessary and unprotected personnel from entering. Read and follow manufacturer's recommendations.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions	Do not allow to enter sewers/ surface or ground water. Prevent further leakage if safe to do so.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	Wear appropriate personal protective equipment as specified in Section 8. Eliminate all sources of ignition. Ventilate and evacuate the area. Use non sparking tools or equipment for clean up. Absorb spillage with inert, damp, non-combustible material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.
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6.4 Reference to other sections

Reference to other sections	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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Section 7: Handling and storage

7.1 Precautions for safe handling

Handling

Provide good ventilation. Wear suitable personal protective equipment, as detailed in Section 8. Keep away from ignition sources. Use non sparking tools. Avoid inhalation of vapours. Avoid contact with skin and eyes. Read and follow manufacturer's recommendations. Avoid prolonged or repeated contact. Do not wear contact lenses.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions

Keep upright, locked up and out of reach of children. Store in closed, labelled containers in a cool, dry, well-ventilated area away from incompatible materials. Containers once opened must be carefully resealed to prevent leakage. Protect from direct sunlight. Prohibit ignition sources close to storage area. Keep away from incompatible materials (see section 10).

Storage class

Flammable liquid storage.

7.3 Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
Ethanol	OEL			1000 ppm		
titanium dioxide	OEL		10 mg/m ³			Total inhalable dust.
titanium dioxide	OEL		4 mg/m ³			Respirable dust.
methanol	OEL	200 ppm	260 mg/m ³			Sk, IOELV.
Quartz (SiO ₂)	OEL		0.1 mg/m ³			BOELV.

Ingredient comments

Ireland, Occupational Exposure Limits 2020.

8.2 Exposure Controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Where necessary use lighting and electrical equipment designed for use in atmospheres where flammable vapours are present, and which can direct static electricity by grounding equipment.

Respiratory equipment

If the respirator is the sole means of protection, use a supplied air self contained breathing apparatus operated in positive pressure mode. Use respiratory protection as specified by an industrial hygienist or other qualified professional.

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator (EN143) with type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). Change filters frequently.

Hand protection

Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Where hand contact with the product may occur use gloves approved to relevant standards (e.g. Europe: EN374.) Gloves must be inspected prior to use. Suggested material: (Suitable materials for longer, direct contact) Fluorinated rubber. Minimum layer thickness: 0.7 mm. Break through time: >480 minutes. Consult manufacturer for specific advice on material.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Change gloves regularly.

Eye protection	Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
Other protection	Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Wear appropriate clothing to prevent any possibility of skin contact. Fire/chemical resistant full-length overalls and boots. The selected clothing must satisfy the European norm standard EN 943.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work. Wash promptly if skin becomes contaminated.
Process conditions	Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	White.
Odour	Alcohol odour.
Odour threshold - lower	No information available as testing has not been completed.
Odour threshold - upper	No information available as testing has not been completed.
pH-Value, Conc. Solution	8.00
pH-Value, Diluted solution	No information available as testing has not been completed.
Melting point	No information available as testing has not been completed.
Initial boiling point and boiling range	No information available as testing has not been completed.
Flash point	> 25.00 °C
Evaporation rate	No information available as testing has not been completed.
Flammability state	Flammable liquid and vapour.
Flammability limit - lower(%)	No information available as testing has not been completed.
Flammability limit - upper(%)	No information available as testing has not been completed.
Vapour pressure	No information available as testing has not been completed.
Vapour density (air=1)	No information available as testing has not been completed.
Relative density	No information available as testing has not been completed.
Bulk density	No information available as testing has not been completed.
Solubility	Slightly.
Decomposition temperature	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.
Auto ignition temperature (°C)	180.00 °C
Viscosity	70 - 74Ku, Krebs Stormer Viscometer @ 20°C
Explosive properties	Not classified as explosive.
Oxidising properties	The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight	The product is a mixture, molecular weight data is not required.
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Volatile organic compound	Contains Max. 500g/l
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Other information	None noted.
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Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Reaction with: strong oxidising substances and acids.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	For information on hazardous reactions see section 10.1.
Hazardous polymerisation	No information available for the mixture as testing has not been completed.
Polymerisation description	No information available for the mixture as testing has not been completed.

10.4 Conditions to Avoid

Conditions to avoid	Heat, sparks, open flames, temperature extremes and direct sunlight.
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10.5 Incompatible materials

Materials to avoid	Keep away from incompatibles such as oxidizing agents, acids, alkalis. Do not mix with other chemicals unless listed on directions.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Decomposition products can include and are not limited to: Oxides of carbon. Nitrogen oxides.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	Not classified based on available information.
Acute toxicity (Oral LD50)	No information available as testing has not been completed.
Acute toxicity (Dermal LD50)	No information available as testing has not been completed.
Acute toxicity (Inhalation LD50)	No information available as testing has not been completed.
Serious eye damage/irritation	Product is not classified as an eye irritant.
Skin corrosion/irritation	The product is not classified as a skin corrosion/irritation hazard.
Respiratory sensitisation	The product is not classified as a respiratory hazard.
Skin sensitisation	The product is not classified as a skin sensitisation hazard.
Germ cell mutagenicity	The product is not classified as a mutagen.
Carcinogenicity	The product is not classified as a carcinogen hazard.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	The product is not classified as a single exposure specific target organ toxin.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	The product is not classified as a repeat exposure specific target organ toxin.
Inhalation	Inhalation of high concentrations of vapours may cause irritation of the respiratory tract or dizziness.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Routes of entry	Eye and skin contact, ingestion or inhalation.
Target organs	No target organs specified.
Aspiration hazards:	The product is not classified as an aspiration hazard.
Reproductive toxicity:	The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
Shellac	>5000.00mg/kg Rat	>10000.00mg/kg Rabbit	
Quartz (SiO ₂)	>5000.00mg/kg Rat		

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available as testing has not been completed.
Acute toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Acute toxicity - Aquatic plants	No information available as testing has not been completed.
Acute toxicity - Microorganisms	No information available as testing has not been completed.
Chronic toxicity - Fish	No information available as testing has not been completed.
Chronic toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Chronic toxicity - Aquatic plants	No information available as testing has not been completed.
Chronic toxicity - Microorganisms	No information available as testing has not been completed.
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Eco toxicological information	No ecological toxicity data available for the overall finished product.

12.2 Persistence and degradability

Degradability	The product is readily biodegradable.
Biological oxygen demand	No information available as testing has not been completed.
Chemical oxygen demand	No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential	Does not bioaccumulate.
Bioaccumulation factor	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.

12.4 Mobility in soil

Mobility	Slightly soluble in water.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	The product does not contain any PBT or vPvB substances.
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12.6 Other adverse effects

Other adverse effects	None known.
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Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
Quartz (SiO ₂)	>500.00mg/l Onchorhynchus mykiss (Rainbow Trout)	48 Hours >300.00mg/l Daphnia magna	

Section 13: Disposal considerations

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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13.1 Waste treatment methods**Disposal methods**

Dispose of waste and residues in accordance with local authority requirements, and in accordance with all local, national and international regulations. For waste disposal, use a licensed industrial waste disposal agent.

Section 14: Transport information**14.1 UN number**

UN no. (ADR)	UN1263
UN no. (IMDG)	UN1263
UN no. (IATA)	UN1263

14.2 UN proper shipping name

ADR proper shipping name	PAINT or PAINT RELATED MATERIAL
IMDG proper shipping name	PAINT or PAINT RELATED MATERIAL
IATA proper shipping name	PAINT

14.3 Transport hazard class(es)

ADR class	3
IMDG class	3
IATA class	3

Transport labels**14.4 Packing group**

ADR/RID/ADN packing group	III
IMDG packing group	III
IATA packing group	III

14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

14.6 Special precautions for user

EMS	F-E, S-E
Emergency action code	A3 A72 A192
Hazard no. (ADR)	30
Tunnel restriction code	(D/E)

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

Section 15: Regulatory information**15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Approved code of practice	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens)

Regulations (2001-2019)

Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16: Other information**General information**

This Safety Data Sheet is in accordance with REACH Annex II, (EC) No 830/2015, 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)

Revision comments

[1]Information updated. [2]Classification upated. Information updated. [3]Information updated. [4]Information updated. [5]Information updated. [6]information updated. [7]Information updated. [8]Code of practice updated. Information updated. [9]Information updated. [10]Information updated. [11]Information updated. [12]Information updated. [13]Information updated. [15]Information updated. [16]Information updated.

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18 September 2020

Supersedes date

20 January 2017

Revision

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Safety data sheet status

Approved.

Hazard statements in full**H225**

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H301

Toxic if swallowed.

H311

Toxic in contact with skin.

H331

Toxic if inhaled.

H370

Causes damage to organs .

H226

Flammable liquid and vapour.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.