

Safety Data Sheet



Hazardous Substance, Non-Dangerous goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name Ultimate 2 Pack Multi Purpose Polyurethane Satin Clear Hardener (Part B)

Product Code : U2MPSCB

Product Use : Part B of a two-pack anti graffiti coating. Also refer to SDS for Non-Hazardous Part A below.

Company Name : Haymes Paint
ABN : 14 004 201 638
Address : Waringa Drive, Wendouree Industrial Park, Victoria 3355, Australia.
Emergency Telephone : 03 5342 6200 . **Office Hours : 7-30 to 5-30 Monday to Friday.**
Telephone Number/Fax : Tel: 03 5342 6200 . Office Hours : 7-30 to 5-30 Monday to Friday.

2. HAZARDS IDENTIFICATION

GHS Classification : This material is hazardous according to health criteria of Safe Work Australia.

Hazard Pictograms :



Exclamation Mark

SIGNAL WORD : Warning

Hazard Classification : Acute Toxicity - Inhalation - Category 4
Acute Toxicity - Dermal - Category 4
Acute Toxicity - Oral - Category 4
Skin Sensitiser - Category 1A
Specific Target Organ Toxicity (Single Exposure) - Category 3

Hazard Statement(s) : H332 : Harmful if inhaled.
H312 : Harmful in contact with skin.
H302 : Harmful if swallowed.
H317 : May cause an allergic skin reaction.
H335: May cause respiratory irritation.

Precautionary Statement(s) :

Prevention : P102: Keep out of reach of children.
P103: Read label before use.
P261: Avoid breathing fumes, mists, vapours or spray.
P262: Do not get in eyes, on skin, or on clothing.

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- Prevention continued :** P264: Wash contacted areas thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves, protective clothing and eye or face protection.
P272: Contaminated work clothing should not be allowed out of the workplace.
- Response :** P362: Take off contaminated clothing and wash before reuse.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313: If skin irritation or rash occurs: Get medical advice.
P370+P378: Not combustible. Use extinguishing media suited to burning materials.
- Storage :** P410: Protect from sunlight.
P402+P404: Store in a dry place. Store in a closed container.
P370+P378: Not combustible. Use extinguishing media suited to burning materials.
- Disposal :** P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill.
- SUSMP Poisons Schedule :** Not Scheduled.

3. COMPOSITION INFORMATION

Chemical Entity	CAS NO	Proportion
Hexane, 1,6-diisocyanato-, homopolymer	28182-81-2	>80%
Hexamethylene diisocyanate	822-06-0	<0.3%
Ingredients determined not to be hazardous :	-	Balance
		<hr/> 100%

4. FIRST AID MEASURES

For advice, contact a doctor or Poisons Information Centre (Phone Australia 131 126).

- Inhalation :** No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.
- Skin :** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.
- Eye :** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical
- Ingestion :** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.
- First Aid Facilities :** Emergency eye wash facility.

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Advice to Doctor : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Hazchem Code : Not Applicable.

Suitable extinguishing media : In case of fire, use carbon dioxide, dry chemical, foam, water fog.

Specific hazards : The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition

Fire fighting further advice : Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition. Prevent any possible contamination of drains and waterways.

6. ACCIDENTAL RELEASE MEASURES

Small Spills : Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Collect and seal in properly labelled containers or drums for disposal.

Large Spills : Clear area of all unprotected personnel. Prevent further leakage or spillage if safe to do so. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of any dust. Work up wind or increase ventilation. Contain - prevent any possible contamination of drains and waterways. Collect and seal in properly labelled containers or drums for disposal. If contamination of drains or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Handling : Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product

Storage : Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters : Exposure limits have not been established by SWA for any of the significant ingredients in this product.

Chemical Entity	TWA ppm	mg/m ³	STEL ppm	mg/m ³	Carcinogen Category	Notices
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Limits not established

As published by Safe Work Australia

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TWA - the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period, which should not be expected at any time during a normal eight-hour workday.

"Sk" Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If directions for use are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering Controls : Ensure ventilation is adequate and that air concentrations are controlled below quoted Workplace Exposure Standards. Close with lid when not in use.

Personal protection equipment : **OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES**

Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellowish liquid
Odour :	Nearly odourless.
Solubility :	Miscible in water
Specific Gravity (20 degC) :	0.95
Relative Vapour Density (air=1) :	As for water.
Vapour Pressure (20degC) :	2.37 kPa at 20°C (water vapour pressure).
Flash Point (degC) :	184°C, Approx
Flammability Limits (%) :	Not Applicable
Autoignition Temperature (degC) :	Not Applicable
Melting Point/Range (degC) :	No specific data. Liquid at normal temperatures.
Boiling Point/Range (degC) :	No specific data. Liquid at normal temperatures.
pH :	Not Available
Viscosity :	approx. 1400 mPa.s at 23°C
Total VOC (g/litre) :	Not Available

10. STABILITY AND REACTIVITY

Reactivity : This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

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Chemical stability :	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Hazardous reactions :	This product will not undergo polymerisation reactions.
Conditions to avoid :	Keep containers tightly closed. Containers should be kept dry.
Incompatible materials :	Exothermic reaction with amines and alcohols; reacts slowly with water liberating carbon dioxide gas (CO ₂), in closed containers risk of bursting owing to increase in pressure.
Hazardous decomposition products :	Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if material is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are :

Acute effects :

Inhalation :	Harmful by inhalation. A respiratory sensitiser. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact :	Classified as a potential sensitiser by skin contact. Exposure to a skin sensitiser, once sensitisation has occurred, may manifest itself as skin rash or inflammation, and in some individuals this reaction can be severe. In addition product is a mild skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased.
Ingestion :	This product is a mild eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms such as swelling of eyelids and blurred vision may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment is likely to
Eye contact :	Significant oral exposure is considered to be unlikely. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.
Acute toxicity :	
Inhalation :	This product is classified as a Category 4 Hazard. Acute toxicity estimate based on ingredients : 10 - 20 mg / litre.
Skin contact :	This product has been classified as a Category 4 Hazard. Acute toxicity estimate based on ingredients : 1000- 2000 mg / Kg.
Ingestion :	This product is classified as a Category 4 Hazard. Acute toxicity estimate based on ingredients : 300 - 2000 mg / kg.
Skin corrosion/irritation :	This product is classified as non-hazardous

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Serious eye damage/irritation :	This product is classified as non-hazardous
Respiratory Sensitisation :	No information available.
Skin Sensitisation :	This product has been classified as a Category 1A Hazard - skin sensitiser.
Chronic Toxicity :	
Mutagenicity :	No information available.
Carcinogenicity :	No information available.
Reproductive toxicity:	No information available.
Specific target organ toxicity (single exposure) :	This product has been classified as a Category 3 Hazard. Exposure via inhalation may result in respiratory irritation.
Specific target organ toxicity (repeat exposure) :	No information available.
Aspiration hazard :	No information available.

12. ECOLOGICAL INFORMATION

Avoid contaminating drains and waterways.

Ecotoxicity :	Harmful to aquatic organisms, may cause long-term adverse effects to the aquatic environment.
Persistence and degradability :	No information available.
Bioaccumulative potential :	No information available.
Mobility :	No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled dispose in accordance with local, regional, national and international regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport :	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail". NON DANGEROUS GOODS.
Marine Transport :	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) Code) for transport by sea. NON DANGEROUS GOODS.
Air Transport :	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. NON DANGEROUS GOODS.

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15. REGULATORY INFORMATION

This product/constituent(s) is/are covered by the following requirements :

This material is hazardous according to health criteria of Safe Work Australia. HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail".
NON DANGEROUS GOODS.

The Standard for the Uniform Scheduling of Medicines and Poisons No. 7. Not Scheduled.

All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS), or exempted.

16. OTHER INFORMATION

This product is not manufactured by Haymes Paint. This Safety Data Sheet is prepared from proprietary information, and as such, Haymes Paint cannot be responsible for the content or the accuracy thereof.

Reason(s) for issue : Change to classification. Alignment to GHS requirements.

Literature References : Guidance on the Classification of Hazardous Chemicals under the WHS Regulations - Implementation of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) - Safe Work Australia.
Australian Inventory of Chemical Substances.
European Chemicals Agency (ECHA).

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Haymes Paint cannot anticipate or control the conditions under which the product may be used, prior to usage, review the SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

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Non-Hazardous Substance, Non-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name : **Ultimate 2 Pack Multi Purpose Polyurethane Satin White and Clear (Part A)**

Product Code : U2MPSW, U2MPSC

Product Use : Water based Part A of a 2 pack anti graffiti coating. Also refer to SDS for Hazardous Part B above.

Company Name : Haymes Paint

ABN : 14 004 201 638

Address : Waringa Drive, Wendouree Industrial Park, Victoria 3355, Australia.

Emergency Telephone : **03 5342 6200 . Office Hours : 7-30 to 5-30 Monday to Friday.**

Telephone Number : Tel: 03 5342 6200 . Office Hours : 7-30 to 5-30 Monday to Friday.

2. HAZARDS IDENTIFICATION

GHS Classification : Based on available information, this material is classified as Non-hazardous according to health criteria of Safe Work Australia.

The Standard for the Uniform Scheduling of Medicines and Poisons No. 7. Not Scheduled.

DANGEROUS GOODS CLASSIFICATION :

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail".

3. COMPOSITION INFORMATION

Chemical Entity	CAS NO	Proportion
Ingredients determined to be non-hazardous :	-	100%

4. FIRST AID MEASURES

Inhalation : Move to fresh air. Call a doctor if symptoms develop or persist.

Skin : If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation occurs seek medical advice.

Eye : If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion : Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

Most important symptoms and effects, both acute and delayed :
See Section 11 for more detailed information on symptoms and health effects.

Advice to First Aiders : Be aware of the material(s) involved, and wear protective equipment if there is a risk of inhalation or skin and eye contamination.

First Aid Facilities : Eye wash and normal washroom facilities.

Advice to Doctor : Treat symptomatically.

Product name : **Ultimate 2 Pack Multi Purpose Polyurethane Satin White and Clear (Part A)**

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5. FIRE-FIGHTING MEASURES

Specific Hazards :	Non-combustible material.
Fire fighting further advice :	Not combustible, however following evaporation of aqueous component residual material can burn if ignited. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
Hazchem Code :	Not applicable
Suitable extinguishing media :	If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical).

6. ACCIDENTAL RELEASE MEASURES

Small Spills :	Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.
Large Spills :	Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil,sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.If contamination of sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No : Not applicable.

7. HANDLING AND STORAGE

Handling :	Keep out of reach of children. Avoid eye contact and repeated or prolonged skin contact and inhalation of any vapour.
Storage:	Store in a cool, dry, well-ventillated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use. Check regularly for leaks.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National occupational exposure standards :	No value assigned for this specific material by Safe Work Australia.
Biological Limit Values :	As per the "National Model Regulations for the Contraol of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.
Engineering measures :	Use only in well ventilated areas. Keep containers closed when not in use.
Protective Equipment	OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment.

If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

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Hygiene measures : Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear or coloured viscous liquid.
Odour : Mild
Odour Threshold : Not Available
Solubility : Miscible in water
Specific Gravity (20 degC) : 1.1 - 1.3
Relative Vapour Density (air=1) : >1
Vapour Pressure (20degC) : Not available
Flash Point (degC) : Not applicable
Flammability Limits (%) : Not applicable
Autoignition Temperature (degC) : Not applicable
Melting Point/Range (degC) : Not available
Boiling Point/Range (degC) : >100
pH : 7-9
Viscosity : Not available
Total VOC (g/litre) : Not available

10. STABILITY AND REACTIVITY

Reactivity : No reactivity hazards are known for this material.
Chemical stability : This material is thermally stable when stored and used as directed.
Hazardous reactions : No known hazardous reactions.
Conditions to avoid : Elevated temperatures.
Incompatible materials : Incompatible with oxidising agents.
Hazardous decomposition products : Oxides of carbon and nitrogen, smoke and other toxic fumes.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation : Where this material is used in a poorly ventilated area, at elevated temperature or in confined spaces, vapour may cause irritation to mucous membranes and respiratory tract, headache and nausea.
Skin contact : Contact with skin may result in irritation.
Ingestion : No adverse effects expected, however large amounts may cause nausea and vomiting.
Eye contact : May be an eye irritant.
Acute toxicity : This product has been classified as Non-hazardous.
Chronic toxicity : This product has been classified as Non-hazardous.

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12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity : No information available

Persistence and degradability : No information available

Mobility : No information available

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled dispose in accordance with local, regional, national and international regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport : Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail".

Marine Transport : Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport : Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Based on available information, this material is not classified as hazardous according to health criteria of Safe Work Australia. NON-HAZARDOUS SUBSTANCE.

The Standard for the Uniform Scheduling of Medicines and Poisons No. 7. Not Scheduled.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS), or exempted.

16. OTHER INFORMATION

This product is not manufactured by Haymes Paint. This Safety Data Sheet is prepared from proprietary information, and as such, Haymes Paint cannot be responsible for the content or the accuracy thereof.

Reason(s) for issue : Text change. Format change

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Haymes Paint cannot anticipate or control the conditions under which the product may be used, prior to usage, review the SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

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