



DATE : 30 SEP 2009

VERSION NO. : 1

PAGE : 1 OF VARIABLE

Mainland Printing Inks
PO Box 12-171, 351 Selwyn St,
Christchurch 8242, New Zealand
Phone : ++ 64 3 338- 6321
Fax : ++ 64 3 338-1522
Email : sales@mppi.co.nz

Safety Data Sheet

1. Identification Of The Material & Supplier

Product Name : **Resene Vinylside Basecoat Non Chrome**

Other Names(s) :

Chemical Formula : ML. Product No. ML. R/M Code ML. R/M No.
52834 etc...

Use or Description : Screen printing ink for vinyl curtain sider substrates. Refer Data Sheet for specific substrate recommendations.

Suppliers Name : Mainland Printing Inks,
Street Address : 351 Selwyn Street, P.O.Box 12-171, Christchurch 8242, New Zealand.
Telephone : +64 3 338 6321
Facsimile : +64 3 338 1522

Emergency Telephone : National Poisons & Hazardous Chemicals
Information Centre : 0800 POISON (0800 764 766)
NZ Emergency Services : Dial 111 (if in doubt)
Mainland Managing Director, Mr T.P.Clemence : Bus +64 3 338-6321
Mobile +64 0274 444 755

2. Hazards Identification

Hazard Classification:

3.1C - Flammable Liquid: Medium Hazard.
6.1E - Substance that may be harmful if swallowed and enters airways
6.3A - Substance that is irritating to the skin.
6.4A - Substance that is irritating to the eye.
6.8A - Substance that may damage fertility or the unborn child.

Hazard statement codes:

H226 Flammable liquid and vapour.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H320 Causes eye irritation.
H354 May damage fertility or the unborn child.

Precautionary statement codes - prevention:

P102 Keep out of reach of children.
P103 Read label before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.

Precautionary statement codes - Response

P101 If medical advice is needed, have product container or label at hand.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

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.

P308 + P313 If exposed or concerned: Get medical advice/attention.

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

Precautionary statement codes - Storage:

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

P405 Store locked up.

Precautionary statement codes - Disposal:

P501 Disposal of this substance must be in accordance with the Hazardous Substances (Disposal) Regulations 2001 with reference to all Council regulations. This may also include any method of disposal that must be avoided.

3. Composition / Information On Ingredients

Potentially Hazardous Ingredients	% by weight (approx)	TLV (TWA)		STEL (TWA)		Note CAS No.
		mg/m3	ppm	mg/m3	ppm	
C370 Cyclic Aliphatic Ketone	1-3	100	25			108-94-1,
P160 Aromatic/Aliphatic	30-40	150	skin 20			64742-95-6,
N15 Cyclic Amide	15					872-50-4

4. First Aid Measures

Inhalation	Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use a demand valve resuscitator or mask with mouth to mouth resuscitation.
Skin Contact	Wash contact areas with soap and water. Seek medical assistance for irritation or any other symptoms. Launder contaminated clothing before reuse.
Eye Contact	Flush effected eye(s) thoroughly with water for at least 15 minutes. Seek medical attention.
Ingestion	Do NOT induce vomiting. Give 1 to 2 glasses of water. Get medical assistance. (Note to physician: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.)
Health Hazard : Information	Vinylside Basecoat is not considered to present a health hazard if used properly in a well ventilated area and appropriate respirators and other safety protection worn as necessary. The following effects are likely should over exposure occur: Eye irritation, moderate skin irritation. Respiratory irritation, dizziness, nausea, and loss of consciousness. Prolonged or repeated skin contact may defat the skin resulting in possible dermatitis.

5. Fire Fighting Measures

Extinguishing Media to be used

- Foam
 Dry Chemical
 Water Spray
 Carbon Dioxide
 Alcohol Foam
 Other...

Special Fire Fighting Procedures

Fire fighters must use recommended protective equipment and self contained breathing apparatus. Cool storage drums with water spray. Use water spray to disperse vapours and protect personnel attempting to stop leaks. Vapour is heavier than air and may travel a considerable distance to a source of ignition and flash back.

Unusual Fire and Explosion Hazards

Flammable liquid. Vapour density heavier than air. Vapour accumulation could flash and/or explode if ignited.
Can react vigorously with oxidizing materials.

6. Accidental Release Measures

Spill and Leak Procedure

Remove leaking containers to a detached area. Bund spill area and absorb spilled product with inert material (e.g. sand, earth etc.) Transfer remaining product in leaking container to a new container and solid absorbent materials to separate container for disposal. Dispose of waste at an appropriate waste disposal facility in accordance with local authority bylaws, the Local Government Act 1974 and the regulations made therein.

7. Handling & Storage

Handling

Use in well ventilated area away from all ignition sources. Wear chemical-type goggles. Approved respiratory protective equipment must be used when vapour or mist concentrations exceed established Threshold Limit Values.

Storage

Ground and bond all transfer and storage equipment. Drums must be grounded and bonded and equipped with self closing valves, pressure vacuum bungs and flame arresters. Outside or detached storage preferred. Store containers in a cool area away from all ignition sources. Keep away from strong oxidants.

8. Exposure Control / Personal Protection

Recommended Personal Protective Equipment to be worn during use of product: (X)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Protective Overalls | <input checked="" type="checkbox"/> Synthetic Apron |
| <input type="checkbox"/> Safety Glasses | <input checked="" type="checkbox"/> Vapour Respirator |
| <input checked="" type="checkbox"/> Splash Goggles | <input type="checkbox"/> Dust & Vapour Respirator |
| <input type="checkbox"/> Face Shield | <input type="checkbox"/> Full Protective Suit |
| <input type="checkbox"/> Airline Hood or Mask | <input checked="" type="checkbox"/> Boots |
| <input checked="" type="checkbox"/> Gloves | <input type="checkbox"/> Other... |

9. Physical And Chemical Properties

Appearance and Odour

Various colours. Aromatic odour.

Density

0.950 to 1.100

Viscosity

Paste

Vapour Pressure, mm Hg at 20°C

NE

Vapour Density (Air=1)

Boiling Range, °C

NE

Flash Point °C Method

> 41

Evaporation Rate (BuAc=100)

NE

% Volatile Matter (by weight)

>1 50-60% approx.

Melting Point/Freezing Point, °C

Solubility in Water

NE

Negligible

Aniline Point, °C (Mixed)

Aromatics, %

NE

< 40 %

Refractive Index, @ 20°C

Colour

NE

Various

Residue On Evaporation, mg/100ml

pH

50-70 % approx.

NA

Flammability Limit, %vol

Lower (LEL)

Upper (UEL)

Auto Ignition Temperature, °C

NE

NE

>270

NA = Not Applicable, NE = Not Established,
NR = Not Regulated Against D = Decomposes

10. Stability And Reactivity

Reactivity Data

Vinylside Basecoat is considered to be stable under normal conditions, however it contains volatiles and exposure to the following should be avoided: Strong oxidizers, heat, sparks, open flame, and a build up of static electricity.

Hazardous Decomposition Byproducts

Carbon Monoxide

Hazardous Polymerization

Will Not Occur May Occur Other...

11. Toxicological Information

Acute Effects of Overexposure

Ingestion

May cause gastrointestinal irritation with nausea, vomiting and diarrhoea. May cause systems toxicity with acidosis. May cause central nervous system depression, characterised by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

Skin Contact

Harmful in contact with the skin. Irritating to skin. Frequent or prolonged contact with skin may cause dermatitis.

Inhalation

Causes respiratory tract irritation. Inhalation of high concentrations may cause central nervous system effects characterised by nausea, headaches, dizziness unconsciousness and coma. Vapours may cause dizziness or suffocation.

Eye Contact

May cause irritation to eyes. Symptoms may include redness, tearing, stinging and swelling.

Delayed Effects

NR

Mutagenic Effects

NR

Reproductive Effects

This product contains a chemical that may cause birth defects or other reproductive harm.

Chronic Effects

NR

12. Ecological Information

Environmental Protection:
Avoid contaminating waterways

13. Disposal Considerations

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

Special Precautions for Landfill or Incineration.

This product is NOT suitable for disposal by either land fill or via municipal sewers, drains, natural stream or rivers.

14. Transport Information

IMCO No.	NE	This material is classified as a class 3- Flammable Liquid according to NZS 5433:1999 Transport of Dangerous Goods on Land.
UN No.	1210	Must not be loaded in the same freight container or on the same vehicle with;
HAZCHEM	3(Y)E	(Class 1) Explosives, (Class 2.1) Flammable gasses, (Class 2.3) Toxins gasses,
D/Goods Class	3.1C	(Class 4.2) Spontaneous combustible substances, (Class 5.1) Oxidising substances, (Class 5.2) Organic peroxide, (Class 7) Radioactive materials unless specifically exempted, (Class 4.3) Dangerous when wet substances.
UN Packing Group	III	
CAS Numbers	108-94-1, 64742-95-6, 872-50-4	

15. Regulatory Information

16. Other Information

Other Data.

IF PRINTED THIS MSDS SHEET IS UNCONTROLLED.

Mainland Printing Inks urges each customer or recipient of this MSDS to study it carefully to become aware of and the hazards associated with the product.

The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS. To promote safe handling, each customer or recipient should:

- (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards of safety;
- (2) furnish this same information to each of its customers for the product; and
- (3) request its customers to notify their employees, customers, and other users of the product of this information.

NOTE: The information and recommendations contained in this data sheet have been compiled from sources believed to be reliable and represent the best current opinion on the subject. No warranty, guarantee or representation is made by the company as to the absolute correctness or sufficiency of any representation contained in this data sheet and the company assumes no responsibility in connection therewith. Nor can it be assumed that all acceptable safety measures are contained in this data sheet or that other additional measures may not be required under particular or exceptional circumstances or conditions.

