Mainland

Mainland Printing Inks
PO Box 12-171, 351 Selwyn St,
Christchurch 8242, New Zealand
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Safety Data Sheet

1. Identification Of The Material & Supplier

Product Name : **Resene Vinylside Basecoat Reducer**

Other Names(s) : Industrial Solvent for use with Vinylside Basecoat

	ML. Product No.	ML. R/M Code	ML. R/M No.
Chemical Formula :	51313		

Use or Description : Industrial Solvent

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:
3.1B - Highly flammable liquid and vapour.
6.1E - Substance that may be harmful if inhaled.
6.3B - Substance that causes mild skin irritation.
6.4A - Substance that causes serious eye damage.
6.9B - Substance that may cause respiratory irritation.

Hazard statement codes:
H225 Highly flammable liquid and vapour.
H304 May be harmful if swallowed.
H306 May be harmful if swallowed and enters airways.
H313 May be harmful in contact with skin.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H333 May be harmful if inhaled.

Precautionary statement codes - prevention:
P102 Keep out of reach of children.
P103 Read label before use.
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.
P261 Avoid breathing fumes / gas /mist vapours spray.
P271 Use only outdoors in a well-ventilated area.
P264 Wash skin thoroughly after handling.
P280 Wear protective equipment as required.

Precautionary statement codes - Response:
P101 If medical advice is needed, have product container or label at hand.
P301+P310 IF SWALLOWED: Immediately call a Poison Centre or doctor/physician.
P303+P361+P353 IF ON SKIN Remove immediately all contaminated clothing. Rinse skin with water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P304+P340 If Inhaled: Move to fresh air and keep at resting a position comfortable for breathing.
P304+P312 IF INHALED Call a Poison Centre if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P331 Do NOT induce vomiting.
P370+P378 In case of fire use foam/carbon dioxide/dry chemical

Precautionary statement codes - Storage:
P403+P235 Store in a well ventilated area. 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 local 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	
Ketone Solvent	> 40	590	200			78-93-3
Aroamtic Blend Solvent	> 40	525	100			64742-94-5

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 mouth to mouth resuscitation.

Skin Contact
Removing contaminated clothing and shoes. Wash contact areas with soap and water for at least 15 minutes. Get medical attention . Launder contaminated clothing before re-use.

Eye Contact
Immediately flush effected eye(s) thoroughly with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Seek immediate medical attention.

Ingestion
If swallowed, vomiting may occur spontaneously, but **do not** induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into the lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

Health Hazard : Information
The following effects are likely should over exposure occur: Narcotic effects occur at levels above the TLV. Corneal damage will occur after prolonged contact. Strong eye irritation. moderate skin irritation respiratory irritation. Dizziness, nausea, and loss of consciousness.

5. Fire Fighting Measures

Extinguishing Media to be used

☒ Foam ☒ Dry Chemical ☒ Water Spray
☒ Carbon Dioxide ☐ Alcohol Foam ☐ Other…

Special Fire Fighting Procedures

storage drums with water spray. This highly flammable liquid must be kept from sparks, open flame, hot surfaces and all sources of heat and ignition. Prevent run off from fire control or dilution from entering stream, sewers or drinking water supply.

Unusual Fire and Explosion Hazards

Extremely flammable liquid. Vapour accumulation could flash and/or explode if ignited. Contact with strong oxidisers may cause fire. Sealed containers may rupture when heated. Sensitive to static discharge.

6. Accidental Release Measures

Spill and Leak Procedure

Ventilate area of leak or spill. Remove leaking containers to a detached area. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Bung 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.

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 Value - 200ppm. Ground and bond all transfer equipment.

Storage

Ground and bond all transfer and storage equipment away from any area where fire hazard may be acute. 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.

8. Exposure Control / Personal Protection

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

☒ Protective Overalls	☒ Synthetic Apron
☐ Safety Glasses	☒ Vapour Respirator
☒ Splash Goggles	☐ Dust & Vapour Respirator
☐ Face Shield	☐ Full Protective Suit
☐ Airline Hood or Mask	☒ Boots
☒ Gloves	☐ Other…

9. Physical And Chemical Properties

Appearance and Odour

Clear colourless liquid with strong sharp odour

Density

0.84

Boiling Range,°C

79.3 to 80.5 ASTM D86

Viscosity

< 0.5 at 40 oC CST

Flash Point°C Method

-7 (ASTM 56)

Vapour Pressure,mm Hg at 20°C

78

Evapouration Rate (BuAc=100)

2.7

Vapour Density (Air=1)

% Volatile Matter (by weight)

2.5	100
Melting Point/Freezing Point,°C -87	**Solubility in Water** 29g in 100g of water
Aniline Point, °C (Mixed) NA	**Aromatics, %** NA
Refractive Index, @ 20°C 1.378 ASTM D1747	**Colour** <5 ASTM D1209 APHA
Residue On Evaporation, mg/100ml 9 (ppm) ASTM D1353	**pH**

Flammability Limit, %vol	**Lower (LEL)**	**Upper (UEL)**	**Auto Ignition Temperature, °C**
	1.8 %	11.5 %	550

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

10. Stability And Reactivity

Reactivity Data

Vinyside Solvent is considered to be stable under normal conditions, however exposure to the following should be avoided: Extreme heat, halogens, strong acids, alkalis, and oxidizers.

Hazardous Decomposition Byproducts

Carbon Monoxide and Carbon Dioxide may form when heated to decomposition.

Hazardous Polymerization

☒ Will Not Occur ☐ May Occur ☐ Other…

11. Toxicological Information

Acute Effects of Overexposure

Ingestion	Ingestion may cause nausea, vomiting and CNS depression with symptoms including drowsiness, dizziness, weakness, fatigue, headache, confusion and possible unconsciousness.
Skin Contact	Irritating on skin. Causes redness, pain, drying and cracking of the skin.
Inhalation	Inhalation of vapours irritates the respiratory tract. May cause coughing, dizziness, dullness, and headache. Higher concentrations can produce central nervous system depression, narcosis, and unconsciousness.
Eye Contact	Vapours are irritating to the eyes. Splashes may cause severe irritation, with stinging, tearing, redness and pain.
Delayed Effects	NR
Mutagenic Effects	NR
Reproductive Effects	NR
Chronic Effects	NR

12. Ecological Information

This material is not expected to be toxic to aquatic life.

13. Disposal Considerations

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.

14. Transport Information

IMCO No.	3.2	Highly Flammable
UN No.	1193	
HAZCHEM	3 Y E	
D/Goods Class	3.1B	
UN Packing Group	II	

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.