Safety Data Sheet

Makers of Fine Paint Since 1962

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	**768 Vitraform AQ Part B**
Recommended Use:	Paint / Coating.
Supplier:	Topline Paint Pty Ltd t/as Shipway Spescoat
ABN:	65 007 626 191
Street Address:	33 Aldershot Road Lonsdale SA 5160 Australia
Telephone Number:	+61 8 8384 1188
Facsimile:	+61 8 8326 1824
Email:	info@toplinepaint.com.au

HIGH PERFORMANCE PAINTS FORMINEX®

2. HAZARDS IDENTIFICATION

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

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Signal Word (s):	**WARNING.**
Classification of the substance or Mixture:	Flammable Liquid - Category 2 Serious Eye Damage / Irritation - Category 2A
Hazard Statement (s):	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled.
Pictograms:	
Precautionary Statement Prevention:	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. P281 Use personal protective equipment as required.
Precautionary Statement 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 Foam, dry agent (carbon dioxide, dry chemical powder) for extinction.
Precautionary Statement Storage:	P403+P235 Store in a well-ventilated place. Keep cool.
Precautionary Statement Disposal:	P501 Dispose of contents / container in according to local regulations.

Poisons Schedule: S6

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Hexamethylene diisocyanate, homopolymer	28182-81-2	30-60%
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3- trimethyl-, homopolymer	53880-05-0	30-60%
n-Butyl acetate	123-86-4	10-<30%
Polyoxyethylene tridecyl ether phosphate	9046-01-9	<10%
N,N-dimethylcyclohexylamine	98-94-2	<2%
Hexamethylene diisocyanate	822-06-0	<0.5%
Isophorone diisocyanate	4098-71-9	<0.5%

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre 131 126 or a doctor.

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish dis-colouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

4. FIRST AID MEASURES cont.

Skin Contact: If skin or hair contact occurs immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling redness, blistering or irritation occurs seek medical assistance.

Eye Contact: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Medical attention and special treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Classed as flammable. If involved in a fire, it may emit noxious and toxic fumes.

Extinguishing media: Foam, dry agent (carbon dioxide, dry chemical powder).
Fire Fighting: Highly flammable liquid. Keep containers cool with water spray. On burning will emit toxic fumes. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Fire/Explosion Hazard: Flammable liquid. Combustion products include oxides of carbon. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively and flashback along the vapour trail may occur.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert, non combustible, absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Conditions for safe storage: Highly flammable liquid for storage and handling purposes. Keep tightly closed in a dry, cool, well-ventilated area, our of direct sunlight. Avoid sparks, flames and other ignition sources. Store away from incompatible materials. DO NOT pressurize, cut, heat or weld containers as they may contain hazardous residues. For information on the design of the store-room reference should be made to Australian Standard AS1940 – The storage and handling of flammable and combustible liquids. Reference should also be made to all Local, State and Federal Regulations.

Precautions for safe handling: Repeated or prolonged exposure to this material should be avoided in order to lessen the possibility of disorders. Use in a well ventilated area. Prohibit sources of sparks, ignition and naked flames. Wear appropriate protective equipment. It is essential that all who come in contact with this material, maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or going to the toiler. Build up of vapour or mist in the working atmosphere must be prevented. Ensure ventilation is adequate. DO NOT enter confined spaces where vapour or mist may have collected. Keep containers closed when not is use. Prevent accumulation of static electricity and earth all equipment.

Corrosiveness: Not corrosive to metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: None established for this product. No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, all exposure should be kept to the least possible levels as over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions. Exposure standards for individual constituents are listed above.

Engineering controls: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is recommended. Use only with adequate ventilation. Local exhaust ventilation or flameproof fume cupboards may be necessary for some operations. Use of closed or semi-closed processes eg. Lidded tanks can reduce exposure.

Personal Protective Equipment:
Respiratory Protection: Avoid breathing of vapours/mists. Where ventilation is inadequate and vapours/mists are generated, the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended; however final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715- Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716- Respiratory Protective Devices.

Eye Protection: Chemical safety glasses or face shield recommended as appropriate. Final choice of appropriate eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Hand Protection: Impervious gloves recommended as appropriate. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless to Pale Yellow Liquid	**Volatile Component**	Not available
Decomposition Temperature	Not available	**Melting Point**	Not available
Flammability	Flammable. Keep away from heat, sparks or naked flames.	**Flash Point (%):**	ca. 40 (Closed cup)
Specific Gravity	1090 kg/m^3 @25°C	**Solubility in Water**	Reacts with water.
Viscosity:	ca. 1200 mPa.s @25°C (Dynamic)	**Boiling Point/Range (°C):**	>100
Vapour Pressure (20 °C):	14 hPa (n-Butyl acetate)	**Flammability Limits LEL**	1.7 (volume)
		Flammability Limits UEL	7.6 (volume)

10. STABILITY AND REACTIVITY

Chemical stability: Stable at ambient temperatures.
Conditions to avoid: Avoid exposure to heat, sources of ignition, and open flame.
Incompatible materials: Incompatible with alcohols , amines , bases , water and aqueous solutions .
Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen.
Hazardous reactions: Reacts with alcohols , amines , bases , water and aqueous solutions.

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:

Ingestion: Harmful if swallowed. May cause irritation to the gastrointestinal system. Systems may include nausea, vomiting, diarrhea, headache, abdominal pain, CNS depression, seizures, loss of coordination.

Eye contact: Will cause irritation to eye which can result in redness, swelling, itching, stinging and excessive tearing.

Skin contact: Harmful in contact with skin. Absorption through the skin, with symptoms paralleling those following ingestion exposures. Will cause irritation to skin, which can result in redness and itching.

Inhalation: Harmful by inhalation. Will cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms included sneezing, coughing, wheezing, shortness of breath, headache, drowsiness, dizziness, nausea and vomiting.

Long Term Effects: Prolonged and repeated exposure through skin contact, inhalation of this material will result in harmful effects including central nervous system effects, possibly leading to unconsciousness or death. Repeated or prolonged exposure may also cause skin dryness and cracking, leading to skin irritation and possible dermatitis. Possible risk or irreversible effects. May cause harm to the unborn child. Possible risk of impaired fertility. Danger of cumulative effects.

Toxicological Data: No toxicology data is available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.
Persistence degradability and mobility: The material is not readily biodegradable.
Aquatic toxicity: Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Neutralise with a mixture of ammonia solution (190 g/L), water and ethanol (5%, 50% and 45%).

14. TRANSPORT INFORMATION

Road and Rail Transport Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

UN No:	1263	**ADG Packaging Method:**	5.9.3RT1
Class-primary:	3	**ADG EPG Number:**	3C1
Packing Group:	III	**ADG IERG Number:**	14
Proper Shipping Name:	PAINT		
Hazchem Code:	3Y		

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Poisons Schedule: S6.

Packaging & Labeling: Labeling requirements of the Standard for Uniform Scheduling of Drugs and Poison do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing purposes; however is labeled in accordance with the National Occupational Health and Safety Commission's "National Code of Practice for the Labeling of Workplace Substances".

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

16. OTHER INFORMATION

This SDS summarizes to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Topline Paint Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. Persons dealing with the products to which this information refers do so entirely at their own risk. Topline Paint Pty. Ltd. will accept no responsibility what so ever for the consequences of the use or misuse of this product.