



# 2.5 MSDS

## Section 1 - Product Identification:

Product Identifier 2.5		WHMIS Classification D2B - toxic	
Product Use Not applicable			
Manufacturer's Name Fuzion Gel LTD		Supplier's Name Fuzion Gel LTD	
Street Address 100-18211 105th Ave.		Street Address 100-18211 105th Ave.	
City Edmonton	Province Alberta	City Edmonton	Province Alberta
Postal Code T5S 2L5	Emergency Telephone 1 (844) 748-9324	Postal Code T5S 2L5	Emergency Telephone 1 (844) 748-9324
Date MSDS Prepared April 6, 2021	MSDS Prepared By Fuzion Gel LTD (SM-MCN)		Phone Number 1 (844) 748-9324

## Section 2 - Hazardous Ingredients:

Hazardous Ingredients (specific)	%	CAS Number	LD <sub>50</sub> of Ingredient (specify species and route)	LC <sub>50</sub> of Ingredient (specify species)
Polyurethane Acrylate Oligomer	70 - 80	Exempt	Not Available	Not Available
Trimethylolpropane Trimethacrylate esters	15 - 20	3290-92-4	Not Available	Not Available
Tetraethylene glycol dimethacrylate	2 - 5	109-17-1	Not Available	Not Available
Hydroxypropyl Methacrylate	1 - 3	27813-02-1	Not Available	Not Available
Hydroxycyclohexyl phenyl ketone	0 - 1	947-19-3	2,800 mg/kg (Rat / Oral)	Not Available
D&C Violet #2	0 - 1	81-48-1	Not Available	Not Available

## Section 3 - Physical Data:

Physical State Gel	Odour and Appearance characteristic acrylate odor	Odour Threshold (ppm) -
Specific Gravity 1.12	Vapour Density (air=1) No Data	Vapour Pressure (mmHg) 0.01
Evaporation Rate No Data	Boiling Point(°C) Not applicable	Freezing Point (°C) Not applicable
Coefficient of Water/Oil Distribution Insoluble	pH Not Available	

## Section 4 - Fire and Explosion Data:

Flammability No	If yes, under which conditions? -
Means of Extinction Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires	
Flashpoint (°C) and Method	Upper Flammable Limit (% by volume)
	Lower Flammable Limit (% by volume)

>100 °C Setflash	No Data	No Data
Autoignition Temperature (°C) No Data	Explosion Data – Sensitivity to Impact No	Explosion Data – Sensitivity to Static Discharge No
Hazardous Combustion Products carbon monoxide, carbon dioxide.		
NFPA Health - 2  Flamability - 1  Reactivity - 1		

## Section 5 - Reactivity Data:

Chemical Stability Normally Stable	If no, under which conditions? -
Incompatibility with Other Substances Yes	If yes, which ones? Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron , rust and strong bases.
Reactivity, and under what conditions? May occur -- Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.  Avoid -- Storage > 100 ° F , exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.	
Hazardous Decomposition Products Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.	

## Section 6 - Toxicological Properties:

Route of Entry	Skin Contact	Skin Absorption	Eye Contact	Inhalation	Ingestion
Effects of Acute Exposure to Product No information available					
Effects of Chronic Exposure to Product Since this product contains a very low concentration of active components, the primary toxicological information is derived from the oligomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.					
Exposure Limits (value, source, date) None Established	Irritancy (if yes, explain) Yes				
Sensitization (if yes, explain) No Data Available	Carcinogenicity (if yes, explain) No				
Reproductive Toxicity (if yes, explain) No Data Available	Teratogenicity (if yes, explain) No				
Mutagenicity (if yes, explain) No Data Available	Synergistic Products (if yes, explain) No				

## Section 7 - Preventative Measures:

Personal Protective Equipment	X	Gloves	X	Respirator	X	Eye		Footwear	X	Clothing		Other
If checked, specify type <b>Eye</b> : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.  <b>Gloves</b> : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical												

products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Clothing** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Respirator** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Engineering Controls (specify, such as ventilation, enclosed process)

Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.

Leak and Spill Procedure

Spontaneous polymerization can occur. Although material is non-flammable please try to eliminate all ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Dike and recover large spills. Soak up small spills with inert solids (such as vermiculite, clay) and sweep/shovel into disposal container. Wash spill area with strong detergent and water solution; rinse with water, but minimize water use during clean-up. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. Dispose and report per regulatory requirements if necessary. Please prevent washings from entering waterways.

Waste Disposal

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators responsibility to determine what is classified as a hazardous waste. Comply with all federal, state, and local regulations. Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

Handling Procedures and Equipment

Avoid contact with skin and eyes. Avoid breathing vapor. Keep container closed when not in use. Avoid prolonged exposure to light. Remove all contaminated clothing, shoes, belts and other leather goods immediately. Incinerate leather goods ( including shoes ). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential.

When handling gel for product use, do not heat above 100°F/38°C

Storage Requirements

Store in a cool place, away from heat and light. Store at temperatures below 100°F

Special Shipping Information

None

PIN

## Section 8 - First Aid Measures:

Inhalation

In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

Ingestion

If appreciable quantities are swallowed, seek medical attention.

Skin Contact

Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

Eye Contact

Flush with plenty of water for 15 minutes and seek medical attention.

**Section 9 - Preparation Information:**

Prepared by (Group, Department, etc.) Fuzion Gel LTD (SM-KPS)	Telephone Number 1 (844) 748-9324	Preparation Date April 6th, 2021
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To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.