FUZION

SAFETY DATA SHEET

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards SDS Revision: 1.3

SDS Revision Date: 4/7/2021

	1. PRODUCT INDENTIFICATION
1.1	Product Name: Fuzion Primer
1.2	Chemical Name: Methacrylic Acid Solution
1.3	Synonyms: NA
1.4	Trade Names: none
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: Fuzion Gel Ltd.
1.7	Manufacturer's Address: 100-18211 105th Ave. Edmonton AB
1.8	Emergency Phone: 1 844 748 9324
1.9	Business Phone/Fax: 1 844 748 9324
	2. HAZARD INDENTIFICATION
	Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! MAY CAUSE PERMANENT SKIN DAMAGE. AVOID SKIN CONTACT DUE TO IRRITATION AND CHEMICAL BURN POTENTIAL. MAY CAUSE EYE IRRITATION OR DAMAGE. Hazard Statements (H): H227 - Combustible liquid and vapor , H302 - Harmful if swallowed, H-312 - Harmful in contact with skin , H332 - Harmful if inhaled , H314 - Causes severe skin burns and eye damage. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P223 - Keep container tightly closed. P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaiminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rince continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - iff eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before resuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).
<u>2.2</u> 2.3	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES Effects of Exposure: INGESTION: Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation, abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat and digestive
	EYES & SKIN: Can cause permanent eye injury. Symptoms include stinging, tearing, redness and swelling of the eyes. Can injure the cornea and cause blindness. Can cause permanent skin damage. Symptoms may include redness, burning and swelling of the skin, burns and other skin damage.
2.4	INHALATION: Vapors of this material may be irritating to the nasal passage and lungs and in severe cases cause burning of the tissue. Symptoms of Overexposure: Symptoms of overexposure are irritation of the tissue, nausea, dizziness, and shortness of breath, swelling of the eyes and skin.
	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. LD50: 1060 mg/kg Species: Rat
	Chronic Health Effects: None
2.7	Target Organs: Eyes, skin, lungs and respiratory tract

		3. COM	POSITION 8	& INGRI	EDIENT	INF	ORM	ΑΤΙΟ	N				
					EXPOS	SURE L	imits i	n air (mg/m3	3)			
					ACO	GIH		NIOSH			OSHA		
					рр	m		ppm			ppm		
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
Methacrylic Acid	79-41-4	NA	201-204-4	<99.5	20	NA	20	NA	NF	NA	NA	NA	
Tocopheryl Acetate (Vitamin E)	58-95-7	GP820000	200-405-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1 First Aid: INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soak and waster. Remove all contaminated clothing including footwear and wash thoroughly

before reuse. If irritation, redness or swelling persists, consult a physician immediately. Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention. INHALATION: 4.2 Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin) Target Organs: EYES SKIN LUNGS

	5. FIREFIGHTING MEASURES
5.1	Flashpoint & Method:
	77.22 °C (171 °F) Closed Cup
5.2	Autoignition Temperature:
	68 °C (154 °F)
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:
	This product is combustiblee. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO,
	CO2 and Nox)
5.5	Extinguishing Methods:
	Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures:
	First responders should wear eye protection. Structural fire fighters must wear full protective equipment and
	MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains,
	bodies of water or other enviormentally sensitive reas. If necessary, rinse contaminated equipment with soapy water
	before returnign to service.

6. ACCIDENTAL RELEASE MEASURES

6.1 Spills:

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., >1 gallon [3.785 liters]) deny entery to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7

7. HANDLING AND STORAGE INFORMATION

7.1 Work & Hygiene Practices:

Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.

7.2 Storage & Handling:

Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devises. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!

7.3 Special Precautions:

Do not store where temperatures can exceed 50 $^{\circ}$ C (122 $^{\circ}$).

	8. E	EXPOSURE CONTROLS & PERSONAL PROTECTION	
8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate de equipment is available (e.g., sink, safety shower, eye wash station).	econtaimination
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Candaian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or imprevious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.015
9.2	Boiling Point:	163 °C (325 °F)
9.3	Melting Point:	16 °C (61 °F)
9.4	Evaporation Rate:	<1 n-Butyl Acetate
9.5	Vapor Pressure:	0.131 kPa @ 25°C
9.6	Appearance & Color:	Clear liquid
9.7	Odor Threashold:	NE
9.8	Solubility:	Soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 25 cps
9.1	Flash Point:	77 °C (171 °F) calculated
9.1	Other Information:	NA

	10. STABILITY & REACTIVITY
10	Stability:
	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:
	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of
	carbon and nitrogen).
10	Hazardous Polymerization:
	Will not occur.
10	Conditions to Avoid:
	Exposure or contact to extreme temperatures, incompatable chemicals, strong light sources, sparks and flame.
11	Incompatable Substances:
	Strong oxidizers, peroxides, strong acids or alkalis.

3 of 7

	11. TOXICOLOGICAL INFORMATION	4 of
11	Toxicity Data: Performed by the manufacturer of the methacrylic acid	1
	Acute Oral Toxicity: LD50: 1060 mg/kg Species: Rat	
	Acute Inhalation Toxicity: LD50: 7.1 mg/l Exposure time: 4 hrs Species: Rat	
	Acute Dermal Toxicity: LD50: 500 mg/kg Secies: Rabbit	
11	Acute Toxicity:	
	See Section 2.5	
11	Chronic Toxicity:	
	See Section 2.6	
11	Suspected Carcinogen:	
	The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internail	
	Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.	
12	Reproductive Toxicity:	
	This product is not reported to cause reproductive toxicity in humans.	
	Mutagenicity:	
	This product is not reported to produce mutagenic effects in humans.	_
	Embryotoxicity:	
	This product is not reported to produce embryotoxic effects in humans.	_
	Teratogenicity:	
	This products is not reported to cause teratogenic effects in humans.	
12	Irritancy of Product:	
	See Section 2.3	
12	Biological Exposure Indicies:	
	NE	
12	Physician Recommendations:	
	Treat symptomatically	
	12. ECOLOGICAL INFORMATION]
12	Environmental Stability:	1
	This product will slowly evaporate from soil. Components of this product will slowly decompose into organic compounds. Bioconcentration is	
	not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegredation.	
12	Effects on Plants & Animals:	1
	There is no specific data availble for this product on plant life.	
12	Effects on Aquatic Life:	
	There is no specific data availble for this product on aquatic life.	
	13. DISPOSAL CONSIDERATIONS	1
13	Waste Disposal:	1
	Dispose in accordance with local, state and Federal waste laws.	

13 Special Considerations:

This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

	14. TRANSPORTATION INFORMATION	5
he b	asic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of trans	portation. Additional
	iptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.	
	49 CFR (GRD):	
	CONSUMER COMMODITY, ORM-D (IP VOL \leq 0.5 L) - UNTIL 12/31/2020	
	UN1760. Corrosive Liquids N.O.S., 8. II. LTD QTY (IP VOL \leq 1.0 L)	
14	IATA (AIR):	
	Passenger Aircraft: UN1760, Corrosive Liquids N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L)	
	Cargo Aircraft: UN1760, Corrosive Liquids N.O.S., 8, III, (IP VOL \leq 30.0 L)	
		_
14	IMDG (OCN):	
	UN1760, Corrosive Liquids N.O.S., 8, II, (IP VOL ≤ 10.0 L)	-
14	TDGR (Canadian GND):	
	MARK PACKAGE "LIMITED QUANTITY" OR "QUANTITE LIMUTEE" OR "LTD QTY" OR "QUANT LTEE" (IP VOL ≤0.5 L)	
4 -	UN1760. Corrosive Liquids N.O.S., 8. II. LTD QTY (IP VOL ≤ 0.5 L)	-
15		
1 -	UN1760, Corrosive Liquids N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L)	-
12	MEXICO (SCT): UN1760, Corrosivo Liquidos N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L)	
15	ADGR (AUS):	-
13	UN1760, Corrosive Liquids N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L)	
	15. REGULATORY INFORMATION	
15	SARA Reporting:	
	NA	
15	SARA Threshold Planning Quantity:	
	NA	
15	TSCA Inventory Status:	
	All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ):	
	NA	
16	Other Federal Requirements:	
	This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmeti	cs).
16	Other Canadian Regulations:	$\mathbf{\circ}$
	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information	(T)
	required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this	Ċ
	product are on the Priorities Substances List.	
16	State Regulatory Information:	
	No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state of	criteria lists:
	California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts	Hazardous
	Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-	to-Know List (NJ),
	new Yord Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (W	A), Wisconsin
	Hazardous Substances List (WI)	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements:	
	The primary cononent of this product is listed in Annex 1 of EU Directive 67/548/EEC.	
	Methacrylic Acid: Harmful (Xi).	
	Risk Phrases (R): See section 2.1	

		16. OTHER INFORMATION 6or
16	gloves and eye/face protection. IF ON SKIN - Wa	TION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective ash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. o - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered persuant to must be reviewed for applicability to this product accurate as of the date it was prepared; however, expressed or implied, are provided. The informati	o OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other governement regulations t. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accuracy, suitability or completeness are not guaranteed and no warranties of any type, either ion contained herein relates only to the specific product(s). If this product(s) is combined with e considered. Data may be changed from time to time. Be sure to sonsult the latest edition.
16	Prepared for: Fuzion Gel LTD. 100-18211 105th Ave. Edmonton, AB Tel: 1-844-748-9324 www.nailfuzion.com	FUZION where benetic weet technology
17	Prepared by: Fuzion Gel LTD. 100-18211 105th Ave. Edmonton, AB Tel: 1-844-748-9324 www.nailfuzion.com	FUZION where benetize metor technology

DEFINITION OF TERMS

DN

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following: **GENERAL INFORMATION:**

CAS No. Chemical Abstract Service Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health
IDEN	minediately bangerous to the and frediti

FIRST AID MEASURES:

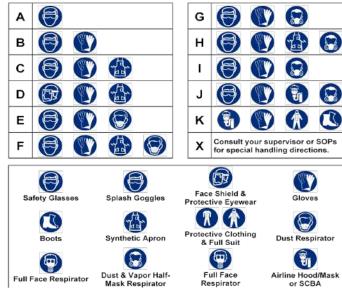
CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTIO
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

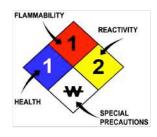
NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:						
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition					
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source					
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source					

HAZARD RATINGS:

0	Minimal Hazard					
1	Slight Hazard					
2	Moderate Hazard					
3 Severe Hazard						
4	Extreme Hazard					
ACD	Acidic					
ALK	Alkaline					
COR	Corrosive					
w	Use No Water					
OX	Oxidizer					
TREFOIL	Radioactive					



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
	s
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{to}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{to} , LD _{to} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{io} , & LC _o	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System			
DOT	U.S. Department of Transportation			
тс	Transport Canada			
EPA	U.S. Environmental Protection Agency			
DSL	Canadian Domestic Substance List			
NDSL	Canadian Non-Domestic Substance List			
PSL	Canadian Priority Substances List			
TSCA	U.S. Toxic Substance Control Act			
EU	EU European Union (European Union Directive 67/548/EEC)			
WGK	Wassergefährdungsklassen (German Water Hazard Class)			

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	۲	٨	$\textcircled{\begin{subarray}{c} \end{subarray}}$	1	۲		Ŕ
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

P		N	to	8	*	×	×	
С	E	F	N	0	т	Xi	Xn	
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful	

CLP/GHS (1272/2008/EC) PICTOGRAMS:

		٩	\diamondsuit			(!)		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment