

SAFETY DATA SHEET

MCL-ApexLiq

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards SDS Revision Date: 04/06/2021

	1. PRODUCT INDENTIFICATION
1.1	Product Name:
	LIGHT ELEGANCE Apex Acylic Liquid
1.2	Chemical Name:
	Ethyl Methacrylate Solution
1.3	Synonyms:
	NA .
1.4	Trade Names:
	Apex Liquid
1.5	Product Use:
	PROFESSIONAL USE ONLY
1.6	Manufacturer's Name:
	MCCONNELL LABS, INC.
1.7	Manufacturer's Adress:
	406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone:
	CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax:

2. HAZARD INDENTIFICATION

2.1 Hazard Identification:

+1 541 526 1417 / +1 541 526 1418

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). Flammable Liquid, Skin Corrosion/Irritation, Skin Sensitizer, Carcenogenicity, Specific Target Orgon Toxicity - Single Exposure . AVOID SKIN CONTACT DUE TO IRRITATION AND CHEMICAL BURN POTENTIAL. MAY CAUSE EYE IRRITATION OR DAMAGE. Hazard Statements (H): H225 - Highly flammable liquid and vapor, H315 - Causes skin irritation, H317 - May cause an allergic skin reaction, H319 - Causes serious eye irritation, H351 - Suspected of causing cancer. Precautionary Statements (P): 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, P-240 - Ground and bond container and recieving equipment, P241 - Use only nonsparking tools, P243 - Take precautionary measures against static discharge, P261 - Avoid breathing dust/fumes/gas/mist/vapors/spray, P264 - Wash hands and exposed skin thoroughly after handling, P271 Use only outdoors or in well ventilated area, P272 - Contaimated work clothing should not be allowed out of the work place, P280 -Wear protective gloves, protective clothing, eye protection, face protection, P281 - Use personal protective equipment as required, P312 - Call a POISON CENTER or doctor/physician if you feel unwell, P321 - Specific treatment (see Section 4 in this document), P362 - Take off contaminated clothing and wash before reuse, P363 - Wash contaminated clothing before reuse, P302 & P352 - IF ON SKIN: Wash with soap and water, P303, P361 & P353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower, P304 & P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing, IF IN EYEES: Rinse continually with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing, P308 & P313 - Get medical advise/attention, P370 &

P378 - In case of fire: Use CO2 for extinguishing P405 - Store locked-un P403 & P223 - Store in a well ventialated area







Routes of Entry:

Inhalation: YES Absorption: YES Ingestion: YES

2.3 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,

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.

2.5	Acute Health Effe	ects:														
	Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches					adaches ar	nd									
	nausea. LD50:1	650 mg/kg Speci	ies: Rat	•				•								
2.6	Chronic Health Effects:															
	None															
2.7	Target Organs:															
	Eyes, skin, lungs	and respiratory t	ract													
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	MICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	-								_		
Eth	yl Methacrylate	97-63-2	NA	202-597-5	70-80	1					L			<u> </u>		
		Skin Corrosion/	•	315), Eye Dama	ge/Irritation	2A (H3	319), S	kin Ser	nsitizer	· 1 (H3	17), Sp	ecific ⁻	Target	Orgar	i, Toxicity	-
	 	Single Exposure		T	T=		ı	1	Т	1	ı	Т	1	_		
	ydroxypropyl	27813-02-1	NA (VICE)	-	5-10											
	Methacrylate	Eye Damage/Irrit				')		1		1				1		
_	Glyceryl	1830-78-0	NA	217-338-4		24/112	140) 6	liin Can		4 (112	17\ C-	: c :			Taratata.	
D	imethacrylate	Skin Corrosion/		315), Eye Dama	ge/irritation	2A (H3	319), S	kin Ser	ısıtızer	1 (H3	17), Sp	есітіс	arget	Organ	i, loxicity	-
Tr:	othy don only on l	Single Exposure 109-16-0	NA	203-652-6	1-5	1	I	1	Ī	1	T .	I	I	$\overline{}$		
	ethyleneglycol	Skin Sensitizer 1		203-032-0	11-2		J			J						
	imethacrylate			1	I			1	1	1		1	1	_		
Dim	ethyltolylamine	99-97-8	NA	+	0-1			<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		1		
		Oral Toxicity Act	•		•	•	• • • • • • • • • • • • • • • • • • • •				•		3 (H33	;1), C	arcenogen	icity
		2 (H351), Speci	fic Target Organ	n, Toxicity - Rep	peated, Expo	osure 2	(H373	3), Aqu	atic To	xicity (C3 (H4:	12)				
CI 60	725 (Violet #2)	81-48-1	NA	201-353-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA			
				-							-					
	** Due to trade s	ecret information	n, more detailed	d concentratio	ns of the in	gredien [.]	ts canı	not be	provid	led.						
					** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.											
		4. FIRST AID MEASURES														
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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). Remove 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). Remove 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 hodies.

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 °C (122 °F).

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate deco	ontaimination
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	
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 nose 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]) wear nitrile or improvious gloves	ELLA
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:	1.17
9.2	Boiling Point:	117 C
9.3	Melting Point:	NA
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	NA
9.6	Appearance & Color:	Clear to violet liquid
9.7	Odor Threashold:	NE
9.8	Solubility:	Soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 25 cps
9.1	Flash Point:	19 °C (66 °F) calculated
9.1	Other Information:	NA

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:
	May 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.
	11. TOXICOLOGICAL INFORMATION
11	Toxicity Data:
	99-97-8: Dimethyltolylamine
	Oral: 1650 mg/kg (Rat), Dermal: 500 mg/kg (Rat), Inhalation: 1400 mg/m3 (Rat) - conducted by the manufacutrer of Dimethyltolylamine
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. Dimethyltolylamine is a suspected
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	
12	Environmental Stability:
	This product will slowly evaporate from soil. Components of this product will slowly decompose into organic compounds. Bioconcentration is
4.3	not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegredation.

10. STABILITY & REACTIVITY

12 Effects on Plants & Animals:

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

13 Waste Disposal:

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

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR. IATA/ICAO. IMDG. SCT. ADR and the CTDGR.

14 49 CFR (GRD):

Limited Quantity: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II, LTD QTY (IP \leq 1.0 L) Fully Regulated: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II (IP > 1.0 L)

14 IATA (AIR):

Passenger Aircraft:

Exceted Quantity: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II (IP ≤ 30 ml);

Code E2 - Maximum Quantity Allowed: 500 ml

Limited Quantity: ID8000, CONSUMER COMMODITY, 9 LTD QTY (IP VOL ≤ 0.5 L); Maximum Quantity Allowed: 35 Kg

Fully Regulated: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II (IP ≤ 0.5 L);

Maximum Quantity Allowed: 5 L Net

Cargo Aircraft:

Fully Regulated: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II (IP > 1.0 L ≤10.0 L);

Maximum Quantity Allowed: 60 L Net

14 IMDG (OCN):

Excepted Quantity: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II (IP≤30 ml)

Code E2 - Maximum Quantity Allowed: 500 ml

Limited Quantity: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II, LTD QTY (IP≤1.0 L)

Maximum Quantity Allowed: 1 L Net

Fully Regulated: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II (IP>1.0 L ≤40.0 L)

Code E2 - Maximum Quantity Allowed: 400 Kg Net

14 TDGR (Canadian GND):

Limted Quantity: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II, LTD QTY (IP≤1.0 L)

15 ADR/RID (EU):

Limted Quantity: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II, LTD QTY (IP≤1.0 L)

15 MEXICO (SCT):

Limted Quantity: UN1993, Líquido Inflamable, N.O.S. (solución de Metacrilato de Etilo), 3, II, LTD QTY (IP≤1.0 L)

15 ADGR (AUS):

Limted Quantity: UN1993, Flammable Liquid, N.O.S. (Ethyl Methacrylate, Solution), 3, II, LTD QTY (IP≤1.0 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 (Cosmetics).

16 Other Canadian Regulations:

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this 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 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 (WA), 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.

99-97-8 Dimethyltolylamine: 0.1 - 1.0% Carcinogen

Risk Phrases (R): See section 2.1



16. OTHER INFORMATION Other Information: 16 WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keen away from heat and onen flame. KEFP OUT OF THE REACH OF CHILDREN. 16 Terms & Definitions: Please see last page of this SDS. 16 Disclaimer: This Safety Data Sheet (SDS) is offered persuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other governement regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to sonsult the latest edition. 16 Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave **McConnellLabs** Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 17 Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave **McConnellLabs** Redmond, OR 97756 USA

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DEFINITION OF TERMS

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

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

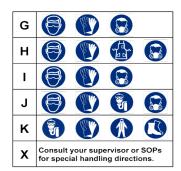
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

Minimal Hazard	
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



PERSONAL PROTECTION RATINGS:

Α			
В			
С	(ELV)		
D			
E			
F		TH.	















Respirator











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:

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



TOXICOLOGICAL INFORMATION:

1.0	Lather Dans (solids & Francisc) which hills 500/ of the common decimals				
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 _{Io}	Lowest dose to cause a symptom				
TCLo	Lowest concentration to cause a symptom				
TD _{io} , LD _{io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects				
TC, TC _o , LC _{lo} , & LC _o					
IARC	International Agency for Research on Cancer				
NTP	National Toxicology Program				
RTECS	Registry of Toxic Effects of Chemical Substances				
BCF	Bioconcentration Factor				
TL _m	Median threshold limit				
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution				

REGULATORY INFORMATION:

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

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	*	(2)	②	(T)	®		(R)
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:

*	5			*		•	×	×
	С	E	F	Ν	0	Т	Xi	Xn
Cor	rrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

						<u>(!)</u>		(*)
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment