





		HEALTH * 2	Health = $*2$
		FLAMMABILITY 3 REACTIVITY 0	Fire = 3
2.2. Here ad statements			Reactivity = 0
2.3 Hazard statements			See above
		onary statements & re	needed, have product container or
		at hand	leeded, have product container of
		Keep out of reach of	children
		Read label before us	
			/ED: immediately call a POISON
		ER or doctor/physicial	-
		· · · ·	I SKIN (or hair): Remove/Take off
			ed clothing. Rinse skin with
	water	/shower	-
2.4 Other have do /stat	• P305	+ P351 + P338 IF IN	EYES: Rinse cautiously with water for
2.4 Other hazards/stat	severa	al minutes. Remove c	ontact lenses, if present and easy to
	do. Co	ontinue rinsing	
	• P361:	Remove/Take off im	mediately all contaminated clothing
	• P307	+ P311 IF exposed: C	Call a POISON CENTER or
	doctor	r/physician	
			Remove victim to fresh air and keep at
		n a position comfortab	-
			e: Use for extinction: CO2, powder or
		spray	
			ell-ventilated place, keep container
CECTION 2. COMPOSI		/ closed	
SECTION 3: COMPOSI	=		
3.1 Information of che	mical ingredients;	methanol	5
CAS	67-56-1	methanoi	
EINECS	200-659-6		
	603-001-00-X		
Hazard	T R23/24/25-39/2		
Tazara	\wedge		
T	Flam. Liq. 2, H22		
Toxicity		01; Acute Tox. 3, H311;	; Acute Tox. 3, H331
	STOT SE 1, H37	0	
	50-100 %		
SECTION 4: FIRST AII	D MEASURES		
			OISONING MAY EVEN OCCUR AFTER
4.1 Important symptoms/effects, acute &			; THEREFORE MEDICAL
			OR AT LEAST 48 HOURS AFTER THE
delayed		•	nptoms or effects, both acute and
		•	eadache, dizziness, disorientation,
			unconsciousness
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	Eye contact	Remove contact lenses if worn, flush open eye for several minutes, consult a doctor
	Skin contact	Immediately clean with water & soap, rinse thoroughly, if skin irritation continues, consult a doctor
4.2 Required Treatments	Inhalation	Supply fresh air, consult a doctor. In case of unconsciousness, place patient stably in side position for transportation
	Ingestion	Call for medical help immediately, rinse out mouth and then drink plenty of water, do not induce vomiting
	Hazards	Danger of circulatory collapse, convulsion, impaired breathing
Indication of Immediate Medical	Monitor circu	lation, possible shock treatment
Attention & Special Treatment	If necessary oxygen respirations treatment	
SECTION 5: FIREFIGHTING MEASURES		
5.1 Suitable (& unsuitable) extinguishing	Suitable: CO.	powder or water spray. Fight larger fires
methods	Suitable: C0 ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.	
5.2 Specific hazards arising from the chemical		
	 In the event of fire, wear self-contained breathing 	
5.3 Special protective equipment &	apparatus	
precautions for firefighters	Wear fully protective suit	
	 Cool endangered receptacles with water spray 	
SECTION 6: ACCIDENTAL RELEASE MEAS	SURES	
	Personal:	
	• Ensure add	equate ventilation
	Keep away from ignition sources	
6.1 Personal & environmental	Wear protective equipment, keep unprotected	
precautions, protective equipment &	persons away	
emergency procedures	Environmental:	
	 Do not allow to enter sewers/surface or ground 	
	water; in case above inform respective authorities	
	• Dispose contaminated material as water according to	
	item 13 – Ensure adequate ventilation	
C 2 Matheda 8 materials for containment	 See section 7 for information on sage handling 	
6.2 Methods & materials for containment & cleanup	 See section 8 for information on personal protection equipment 	
	 See section 13 for information on disposal information 	
SECTION 7: HANDLING & STORAGE		
7.1 Safe handling & Safe handling	• Use only ir	n well ventilated areas
storage precautions, advice	• Keep igniti	ion sources away – do not smoke





including		Protect against electrostatic charges
incompatibilities		Thorough dusting
		• Open and handle receptacle with care
		Store in cool, dry place
		Store in tightly closed receptacles
S	torage/Transport	 Avoid storage near extreme heat, ignition sources or
р	ressure	open flame
		•
		Store away from oxidizing agents
SECTION 8: EXPOSURE	LUNI RULS/PERS	
		107-21-1 ethanediol
	IOELV (EU)	260 mg/m³, 200 ppm Skin
	PEL (USA)	260 mg/m ³ , 200 ppm
		Short-term value: 325 mg/m ³ , 250 ppm
8.1 Control parameters based on OSHA'a permiss	REL (USA)	Long-term value: 260 mg/m ³ , 200 ppm Skin
exposure limits (PEL's) &		Short-term value: 328 mg/m ³ , 250 ppm
OSHA's threshold limit	TLV (USA)	Long-term value: 262 mg/m ³ , 200 ppm Skin; BEI
values (TLV's)		Short-term value: 250 ppm
	EL (Canada)	Long-term value: 200 ppm
		Skin
		Short-term value: 325 mg/m ³ , 250 ppm
	EV (Canada)	Long-term value: 260mg/m ³ , 200 ppm
		Skin
8.2 Appropriate engineeri controls	i ng N/A	
		 Keep away from food & food products, beverages and feed
		Wash hands before breaks and at the end of work
	General	 Immediately remove all soiled and contaminated
	General	clothing
		Store protective clothing separately
		 Avoid contact with eyes and skin
8.3 Personal protection	Eyes	
measures, protective		Safety Glasses
equipment recommendat	ions Body	Light weight protective clothing
& exposure controls	-	In case of brief exposure or low pollution use
	Respiratory	respiratory filter device. In case of intensive or longer
	Respiratory	exposure use self-contained respiratory protective
		device
		Protective Gloves
	Hands	 The glove material has to be impermeable and
		resistant to the product/ the substance/ the
		preparation
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	Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture Selection of the glove material on consideration of the penetration times, rates of diffusion and the
•	degradation Glove Material - The selection of the suitable
	gloves does not only depend on the material, but also on further marks of quality and varies from
	manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of
	the glove material cannot be calculated in advance
	and has therefore to be checked prior to the application
•	Penetration time of glove material - The exact break through time has to be found out by the
	manufacturer of the protective gloves and has to be
SECTION 9: PHYSICAL & CHEMICAL PROPER	observed RTIFS
9.1 Physical & chemical properties	
Form	Solid material
Color	blue
Odor	Alcohol-like
Odor threshold pH-Value at 20°C	Not determined 7
Melting point/Melting range	, undetermined
Boiling point/Boiling range	78 °C
Flash point	11 °C
Flammability (solid, gaseous)	Highly flammable
Ignition temperature	455 ℃
Decomposition temperature	Not determined
Self-igniting	Product is not self-igniting
Danger of explosion	Product is not explosive. However, formation of explosive air/vapor mixtures are possible
Explosion limits – Lower	5,5 Vol %
Explosion limits - Upper	44,0 Vol %
Vapor pressure at 20 °C	128 hPa
Density at 20 °C	0.85 g/cm ³ Not determined
Relative density Vapor density	N/A
Evaporation rate	N/A N/A
Solubility in/Miscibility with water	Soluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity – Dynamic	Not determined
Viscosity - Kinematic	Not determined
Solvent content – Organic solvents	72.0%
Water	2.0%

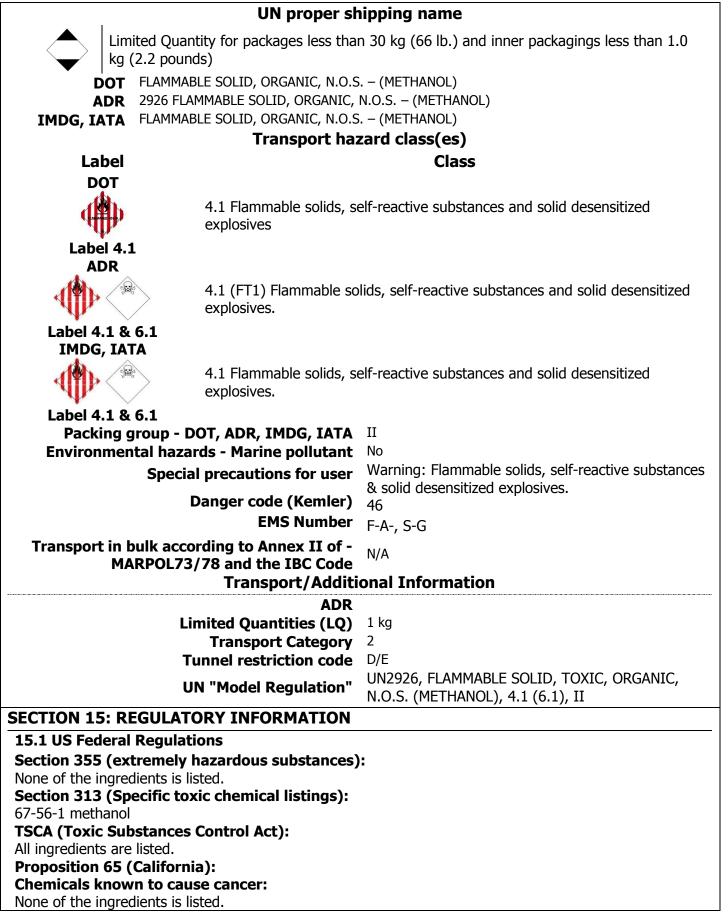




SECTION 10: STABILIT	Y & REACTIVITY			
10.1 Lists chemical stab	ility & possibility	 No decor 	nposition if stored & applied as directed	
of hazardous reactions		 Used em 	pty containers may contain product gases	
			m explosive mixtures with air	
10.2 Conditions to avoid			elevant information	
10.3 Incompatible mate			elevant information	
10.4 Hazardous decomp	•		noxide & carbon dioxide	
SECTION 11: TOXICOL		_		
=	; related symptom	s, acute & cl	nronic effects, numeral measures of	
toxicity	_			
		ute toxicity		
	LD/LC50 values			
0	107-2	1-1 ethaned	-	
Oral Dermal		LD50	5628 mg/kg (rat)	
Dermai	Drimos	LD50	15800 mg/kg (rabbit)	
		y irritant eff S kin None		
	-	yes None		
	Sensitizat	-	ts known	
			rs have narcotic effect.	
			ation of concentrated vapors as well as oral	
			e will lead to anesthesia-like conditions and	
Additional tax	icological informat		ache, dizziness, etc.	
Auditional tox	icological informat		product shows the following dangers ding to the calculation method of the	
			ral EU Classification Guidelines for	
			arations as issued in the latest version -	
		Toxic		
SECTION 12: ECOLOGI		DN		
12.1 Ecological Informa				
-	•		ormation available	
	radation Biodegra			
		accumulate i	-	
	-		relevant information available relevant information available	
Other advers				
SECTION 13: DISPOSA		DINS		
13.1 Disposal Considera			h have hald an dealer. Do not allow and dust	
Waste Code	Must not be disposed together with household garbage. Do not allow product			
Disposal methods	to reach sewage system. Dispose of only in accordance with local, state, and federal regulations			
-	Dispose of only in accordance with local, state, and federal regulations. Clean			
Un-cleaned packaging	with water & if nece		· · · •	
SECTION 14: TRANSPO				
14.1 Transport Information				
-	UN-Number - DOT UN1325			
	UN-Number - ADR			











and a second	
	wn to cause reproductive toxicity for females:
None of the ingr	
	wn to cause reproductive toxicity for males:
None of the ingr	
	wn to cause developmental toxicity:
67-56-1 methance Carcinogenic C	-
	iental Protection Agency)
None of the ingr	• 11
	tional Agency for Research on Cancer)
None of the ingr	
	Limit Value established by ACGIH)
None of the ingr	· · · ·
NIOSH-Ca (Na	tional Institute for Occupational Safety and Health)
None of the ingre	
_	cupational Safety & Health Administration)
None of the ingr	edients is listed.
Canada	
	estic Substances List (DSL)
All ingredients ar	edient Disclosure list (limit 0.1%)
None of the ingr	
	edient Disclosure list (limit 1%)
67-56-1 methan	
	OTHER INFORMATION
	is based on our present knowledge. However, this shall not constitute a guarantee for
	luct features and shall not establish a legally valid contractual relationship.
Relevant phras	
-	Highly flammable liquid and vapor
	Toxic if swallowed
H311	Toxic in contact with skin
	Toxic if inhaled
	Causes damage to organs
	Highly flammable
	Toxic by inhalation, in contact with skin and if swallowed
	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin
R39/23/24/25	and if swallowed
Abbreviations	
	opéen sur le transport des marchandises dangereuses par Route (European Agreement
concerning the	
	rriage of Dangerous Goods by Road)
	onal Maritime Code for Dangerous Goods
DOT: US Departr	ment of Transportation
	nal Air Transport Association
	armonized System of Classification and Labelling of Chemicals
	n Conference of Governmental Industrial Hygienists
	Fire Protection Association (USA)
	e Materiale Identification System (IICA)
	s Materials Identification System (USA)
WHMIS: Workpla	ace Hazardous Materials Information System (Canada) acentration, 50 percent





LD50: Lethal dose, 50 percent