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	1 - Product and	d Company	Identificatio	<u>n</u>	
Product name:		Mulsifan PPG 1000 DO-VEG			
Product type/usage/industry	/:	Polypropylene	e glycol fatty ac	id ester	
Manufacturer/Supplier Inform	mation:	Zschimmer ar 70 GA Hwy. 2 Milledgeville, Phone: (478)	GA 31061	C.	
Emergency contact:		Company: CHEMTREC		478) 454-1942 300) 424-9300	
	<u>2 – Haza</u>	ards Identific	cation		
Classification of the subs	stance or mixture:		ication of this s R 1910.1200/H		ure is based on GHS-US)
Chronic Aquatic Toxicity	Category 3	H412	Harmful to a	quatic life with	long lasting effects
Labelling:					
Signal Word:	Hazar	rd Symbols:			
None	None				
Precautionary Statements:	P262: Do not get in eg P273: Avoid release t P302+352: IF ON SKI P305+351+338: IF IN contact lenses if prese P314: Get medical ad	o the environme IN: Wash with pl EYES: Rinse ca ent and easy to	ent. lenty of soap ar autiously with v do – continue r	vater for severa	al minutes. Remove
Key to Hazard Categories:					
1=Severe Hazard 2=Se	erious Hazard 3=Moo	derate Hazard	4=Slight H	azard	5=Minimal Hazard
	<u>3 – Composition/</u>	Information	on Ingredie	ents	
	erial or component propylene Glycol Dioleate E	ster			<u>Avg % weight</u> 100%

This is not intended to be a complete compositional disclosure. Information provided pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200/ HazCom 2012). See Section 8 for Exposure Limits, if any.

		4 First Aid Massures	
		<u>4 - First Aid Measures</u>	
Eyes:	Immediately flush with gentle but large stream of water for 15 min, lifting upper and lower eyelids occasional Get medical attention if symptoms persist.		
Skin:	Wash affected area with soap and water. If itching or redness develops, seek medical attention. Contaminate clothing should be removed immediately and washed before reuse. Contaminated shoes should be discarde		
Inhalation:	Move the person to fresh ai	ir. If breathing becomes difficult, contact a physician.	
Ingestion:	Do not induce vomiting. If la medical attention if you feel	arge amounts were swallowed, give water to rinse mouth, give water to drink, and get I unwell.	
		5 - Firefighting Measures	
Extinguishing	Media:	Water spray, dry chemical, alcohol foam, or carbon dioxide.	
	tinguishing Media:	None.	
	ctive Equipment for	Self-contained breathing apparatus and protective clothing when fighting any chemical fire.	
Unusual Fire & Explosion Hazards:		In case of fire, containers may explode from internal pressure. Cool with water. May emit toxic fumes of CO and CO_2 under fire conditions.	
	6	- Accidental Release Measures	
Personal preca	autions:	Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas.	
Environmental precautions:		P273: Avoid release to the environment Limit leakage with earth or sand. Do not discharge into the drains/surface water/groundwater. Dispose of absorbed material in accordance with local, state and federal regulations.	
Methods for Containment/Cleaning Up:		Take up with absorbent material (e.g. vermiculite, general purpose binder). Dispose of absorbed material in accordance with local, state, and federal regulations.	
		7 - Handling and Storage	
Handling:		P261: Avoid breathing mists of product P262: Do not get in eyes, on skin, or on clothing P264: Wash thoroughly after handling P280: Wear protective gloves/eye protection	
Storage:		P402+404: Store in a dry place. Store in a closed container P403+233: Store in a well-ventilated place. Keep container tightly closed Protect from moisture.	
Special Packa	ging Requirements:	None known.	
Incompatible Materials or Fire/Explosion Protection:		Strong oxidizers, strong acids, and strong bases at high temperatures.	

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	<u>8 - </u>	Exposure Controls/Persor	nal Protection	
Personal Protectiv	ve Equipment (PPE):			
Hand Pro	tection:	Use impervious gloves.		
Eye Prote	ction:	Wear safety glasses with s	ide shields or full face shie	ld.
Skin Prote	ection:	Wear protective clothing.		
Respirato	ry Protection:	Recommended if ventilatio	n is limited.	
Engineering Meas	ures/Controls:			
Ventilatio	n:	Ensure adequate ventilatio	n to maintain product at ac	cceptable airborne levels.
Other mea	asures:	Eye-wash station.		
Exposure Limits/G	Guidelines:			
Material	CAS #	BASIS	TYPE	VALUE
None				

9 - Physical and Chemical Properties

Form and Appearance:	Clear yellow liquid	Odor:	Characteristic
pH:	N/A	Odor Threshold:	N/D
Boiling Point:	>212°F (100°C)	Melting/Freezing point:	N/D
Vapor Pressure:	N/D	Vapor Density (Air=1):	N/D
Flash Point:	> 212°F (100°C)	Evaporation Rate:	N/D
UEL:	N/A	LEL:	N/A
Viscosity:	N/D	Solubility in Water:	Insoluble
Octanol/Water Partition Coefficient:	N/D	Specific Gravity/ Bulk Density:	~ 0.96 @ 25°C
Auto-ignition temperature:	N/D	Decomposition Temperature:	N/D
Volatile content:	N/D	VOC Data:	N/D

	10 - Stability and Reactivity
Chemical Stability:	Product is stable under ordinary conditions of use and storage.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Exposure to moist air or water.
Incompatible Materials:	Strong oxidizers, strong acids, and strong bases at high temperatures.
Hazardous Decomposition Products:	Extremely high temperatures may produce CO _x ; thermal decomposition may produce irritating aldehydes.

		<u>11 - Toxicolo</u>	ogical Info	mation	
Acute Data: Principle Route	es of Exposure:	Eye co	ontact, skin co	ntact, ingestion, inhalati	on (mist).
Acute Toxicity					
Route of exposure:	Test type:	Species:		Results:	Comments:
Oral	LD50	Rat		>2000 mg/kg	May be harmful if swallowed
Irritation and Corrosion	L				
Target organ:	Species:	Result	s:	Comme	ents:
Eyes	Rabbit	Non-irr	itating	-	
Skin	Rabbit	Non-irr	itating	-	
<u>Sensitization</u>					
Target organ:	Species:	Result	-	Comme	ents:
Skin	Human	No effe	cts known	-	
Specific Target Organ T	Foxicity – Single Ex	posure			
Target organ:	Species:	Result	s:	Comme	ents:
None				-	
Chronic Data:					
Carcinogenicity					
IARC	NTP		ACGIH		OSHA
No	No		No		No
Mutagenicity:		NDA			
Reproductive Effects:		NDA			
Target Organ Effects:		NDA			

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		<u>12 - Ecological I</u>	nformation				
Acute Aquatic Toxicity							
Species:	Test type:	Exposure time:	Results:	Comments:			
Fish	EC50	96h	>80 mg/l (Derived from product of similar composition)	Acute Category 3 – Harmful to aquatic life			
Daphnia magna	LC50	48h	11.7 mg/l (Derived from product of similar composition)	Acute Category 3 – Harmful to aquatic life			
Environmental Fate							
Persistence/Degr	adability:	Product is moderate	ely biodegradable.				
COD/BOD5:		NDA					
Bioaccumulation	Potential:	No bioaccumulation is expected.					
Mobility in Soil:		NDA					
Other Adverse Effects:		Chronic Aquatic Toxicity H412: Harmful to aquatic life with long lasting effects					
		<u>13 - Disposal Co</u>	nsiderations				
Product:		•		tainer in accordance with local,			
Packaging:		state, federal and/or international regulations. NDA					

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	14 - Transport Regulations
US DOT Regulations (Land Transport):	
Proper Shipping Name:	Not regulated.
Hazard Class:	Not regulated.
UN Number:	Not regulated.
Packing Group:	Not regulated.
Label Required:	Not regulated.
Other Information:	Not regulated.
IATA/ICAO Regulations (Air Transport)	:
Proper Shipping Name:	Not regulated.
Hazard Class:	Not regulated.
UN Number:	Not regulated.
Packing Group:	Not regulated.
Label Required:	Not regulated.
Other Information:	Not regulated.
IMDG/IMO Regulations (Maritime Trans	port):
Proper Shipping Name:	Not regulated.
Hazard Class:	Not regulated.
UN Number:	Not regulated.
Packing Group:	Not regulated.
Label Required:	Not regulated.
EMS Number:	Not regulated.
Segregation Groups:	Not regulated.
Marine Pollutant (Y/N):	Not regulated.
Other Information:	Not regulated.

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			<u> 15 - Regu</u>	ulatory	Informa	tion			
Domestic Regu	<u>lations</u>								
Components req	uiring noti	<u>ification</u>							
SARA 302 (TPC	Q) S	ARA 304 (RQ)	SARA 313	в с	ERCLA (F	RQ)	CAA 112(b) H	APS C	CAA 112(r)
None		None	None		None		None		None
SARA 311/312 Ha	azard Cate	gorization:	None						
State Information	<u>1</u>								
Californi	ia Proposi	tion 65:	•			,	lowing compon , or other repro		the State of
			Propylene	Oxide (7	75-56-9)				
	ght to Kno ous Substa			0			one or more Ri N, NJ, PA and F	0	lazardous
informat	lion:		Propylene	Oxide (7	75-56-9)				
			This is not consult tha			For inform	nation on listing	s in other stat	es, please
Chemical Invento	ories								
States (I	EUROPE EINECS/	Australia (AICS)	Philippines (PICCS)	Ca	nada	Korea (ECL)	Japan (ENCS/	China (IECSC)	New Zealand (NZIoC)
(TSCA) E	ELINCS/ NLP)			DSL	NDSL		ISHL)		
Yes	Yes	Yes	No	Yes	No	No	NDA	Yes	Yes

16 - Add	litional Info	mation

Key to Abbreviations:

(Polymer)

NDA - No data available N/D - Not determined N/A - Not applicable N/E - Not established

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