



## **Material Safety Data Sheet**

NFPA	HMIS	Personal Protective Equipment
	Health Hazard	
	Fire Hazard 1	
	Reactivity 0	See Section 15.

Section 1. Chemical Product and Company Identification				Page Number: 1
Common Name/ Trade Name	Tetraethylene Glycol Dimethyl Ether		Catalog Number(s).	T2630
			CAS#	143-24-8
Manufacturer	SPECTRUM LABORATORY PRODUCTS INC.		RTECS	SB0400000
	14422 S. SAN PEDRO STREET GARDENA, CA 90248		TSCA	TSCA 8(b) inventory: Tetraethylene Glycol Dimethyl Ether
Commercial Name(s)	Not available.		CI#	Not available.
Synonym	Bis(2-(2-methoxyethoxy)ethyl)ether; Dimethoxy Tetraglycol; bis(2-(2-methoxyethoxy)ethyl); Dimethoxytetraethylene g Tetraglyme			<u>EMERGENCY</u> (24hr) 800-424-9300
Chemical Name	2,5,8,11,14-Pentaoxapentadecane			
Chemical Family	Not available.		CALL (310) 51	6-8000
Chemical Formula	C10-H22-O5			
Supplier	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248			

Section 2.Composition	and Information	on Ingredients				
				Exposure Limits		
Name		CAS #	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )	CEIL (mg/m <sup>3</sup> )	% by Weight
1) Tetraethylene Glycol Dimeth	yl Ether	143-24-8				100
Toxicological Data on Ingredients	Tetraethylene Glycol Dimethyl Ether: ORAL (LD50): Acute: 5140 mg/kg [Rat].					
Section 3. Hazards lo	lentification					
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.					
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.					

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Section 4. First A	id Measures	
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush least 15 minutes. Cold water may be used. Get medical attention if irritation occur	
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medic Cold water may be used.	al attention if irritation develops.
Serious Skin Contact	Not available.	
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathi medical attention.	ng is difficult, give oxygen. Get
Serious Inhalation	Not available.	
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never unconscious person. Loosen tight clothing such as a collar, tie, belt or waisth symptoms appear.	0,0,
Serious Ingestion	Not available.	

Section 5. Fire and E	xplosion Data
Flammability of the Product	May be combustible at high temperature.
Auto-Ignition Temperature	200°C (392°F)
Flash Points	CLOSED CUP: 116°C (240.8°F). OPEN CUP: 141°C (285.8°F).
Flammable Limits	UPPER: 80%
Products of Combustion	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.
Section 6. Accidental	Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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Section 7. Handling	and Storage		
Precautions		If ingest	. Ground all equipment containing material. Do not ed, seek medical advice immediately and show the s oxidizing agents.
Storage	Keep container tightly closed. Keep container in a	cool, well-v	ventilated area.
Section 8. Exposure	Controls/Personal Protection		
Engineering Controls	Provide exhaust ventilation or other engineering correspective threshold limit value. Ensure that work-station location.	ntrols to k eyewash	eep the airborne concentrations of vapors below their stations and safety showers are proximal to the
Personal Protection	Safety glasses. Lab coat.		
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Sugspecialist BEFORE handling this product.	ggested pr	rotective clothing might not be sufficient; consult a
Exposure Limits	Not available.		
Section 9. Physical a	nd Chemical Properties		
Physical state and appearance	Liquid.	Odor	Odorless.
Malaan Weight	222.28 g/molo	Taste	Not available.
Molecular Weight pH (1% soln/water)	222.28 g/mole Not available.	Color	Colorless.
Boiling Point	275°C (527°F)		
Melting Point	-30°C (-22°F)		
Critical Temperature	Not available.		
Specific Gravity	1.009 - 1.0132(Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	7.7 (Air = 1)		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	See solubility in water.		
Solubility	Soluble in cold water.		
Section 10. Stability	and Reactivity Data		
Stability	The product is stable.		
Instability Temperature	Not available.		
Conditions of Instability	Excess heat, incompatible materials		
Incompatibility with various substances	Reactive with oxidizing agents.		
Corrosivity	Not available.		
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Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur.
Section 11. Toxicolo	ogical Information
Routes of Entry	Absorbed through skin. Eye contact.
Toxicity to Animals	Acute oral toxicity (LD50): 5140 mg/kg [Rat].
Chronic Effects on Humans	May cause damage to the following organs: kidneys, liver, central nervous system (CNS).
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	May cause adverse reproductive effects based on animal test data.
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Can cause mild eye irritation. Inhalation: Inhalation of mist or vapor may cause respiratory tract irritation. May cause nausea, headache blurred vision. May affect behavior/central nervous system (drowsiness, somnolence, symptoms o drunkenness), kidneys, liver. Ingestion: May cause digestive tract disturbances with nausea, vomiting, diarrhea, blurred vision, headache. Ma affect behavior/central nervous system(drowsiness, somnolence, symptoms of drunkenness), urinary system (kidneys), liver. Chronic Potential Health Effects: Ingestion and Inhalation: Prolonged or repeated ingestion or inhalation may cause symptoms similar to acute ingestion and inhalation.
Section 12. Ecologic	cal Information
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products ma arise.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	Not available.

## Section 13. Disposal Considerations

Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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Section 14. Trans	port Information	
DOT Classification	Not a DOT controlled material (United States).	
Identification	Not applicable.	
Special Provisions for Transport	Not applicable.	
DOT (Pictograms)		

Section 15. Other	Regulatory Information and Pictograms
Federal and State Regulations	TSCA 8(b) inventory: Tetraethylene Glycol Dimethyl Ether
California Proposition 65 Warnings	California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found. California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.
Other Regulations	EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 205-594-7). Canada: Listed on Canadian Domestic Substance List (DSL). China: Listed on National Inventory. Japan: Listed on National Inventory (ENCS). Korea: Listed on National Inventory (KECI). Philippines: Listed on National Inventory (PICCS). Australia: Listed on AICS.
Other Classifications	WHMIS (Canada)       Not controlled under WHMIS (Canada).         DSCL (EEC)       This product is not classified according to the EU regulations.       Not applicable.
HMIS (U.S.A.)	Health Hazard     1     National Fire Protection       Fire Hazard     1       Reactivity     0       Personal Protection     a
WHMIS (Canada) (Pictograms)	
DSCL (Europe) (Pictograms)	
TDG (Canada) (Pictograms)	
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ADR (Europe) (Pictograms)		
Protective Equipment	Not applicable. Lab coat.	
	Not applicable.	
	Safety glasses.	

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## Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.