

Material Safety Data Sheet

Innovation and Experience at Work

ViscoTech R218B

1.	Substance, Preparation, and Company Description		
	Material Uses	Lubricant, Grease, Industrial applications	
		Engineered Custom Lubricants (ECL) 3851 Exchange Ave.	
	Manufacturer	Aurora, IL 60504	
		630-449-5000	
	Product Code	ViscoTech R218B	
	Validation Date	February 3, 2015	
	In case of emergency contact	1-630-449-5000	
2.	Hazards Identification		
	E	mergency Overview	
	Physical State	Semi-solid, grease	
	Color	Blue	
	Odor	Mild petroleum odor	
	Hazard Statements	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.	
	OSHA/HCS Status	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.	
	Routes of Entry	Dermal contact. Eye contact. Ingestion	
	Poter	ntial acute health effects	
	Inhalation	No known significant effects or critical hazards.	
	Ingestion	No known significant effects or critical hazards.	
	Skin	No known significant effects or critical hazards.	
	Eyes	No known significant effects or critical hazards.	
	Potent	ial chronic health effects	
	Chronic effects	No known significant effects or critical hazards.	
	Carcinogenicity	No known significant effects or critical hazards.	
	Mutagenicity	No known significant effects or critical hazards.	
	Teratogenicity	No known significant effects or critical hazards.	
	Fertility effects	No known significant effects or critical hazards.	
	Developmental effects	No known significant effects or critical hazards.	
		xposure signs/symptoms	
	Inhalation	No specific data	
	Ingestion	No specific data	
	Skin	No specific data	

	Eyes	No	specific data		
	Medical conditions aggravated by over-		ne known		
	exposure				
_					
3.	Composition/Component Data				
			0404	EINEOG N	T 0/
	Name		CAS Number	EINECS Number	%
	No Haza	ardous	s or Reportable Ingred	ients	
4.	First Aid Measures				
	Fire Comtant			ny contact lenses. Imme	
	Eye Contact			at least 15 minutes, occa Get medical attention if s	
				diately flush skin with ple	
	Skin Contact	lea	st 15 minutes while re	emoving contaminated c	lothing and shoes.
	Skiii Contact		Wash clothing before reuse. Get medical attention if symptoms		
			occur. Move exposed person to fresh air. If not breathing, if breathing is		
	Inhalation		irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a		
				band. Get medical atte	
		occ			
	Ingestion			ter. Do not induce vomiti sonnel. Never give anyth	
	lingestion				
	Due to etion for first sidens		unconscious person. Get medical attention if symptoms occur. No action shall be taken involving any personal risk or without		
	Protection for first-aiders		suitable training.		
	N. C. D. C.		No specific treatment. Treat symptomatically. Contact poison		
	Note to Physician		treatment specialist immediately if large quantities have been ingested or inhaled.		
		ling	ested of fillialed.		
5.	Firefighting Measures				
	Suitable Extinguishing Media	Dry	Chemical, CO _{2,} Foan	n. or Water Fog	
		Pro	mptly isolate the scer	ne by removing all persor	
	Special Exposure Hazards			a fire. No action shall	be taken involving
	Hazardous thormal documentian		personal risk or withou	out suitable training. e carbon monoxide,	carbon dioxide,
	Hazardous thermal decomposition products			s carbon monoxide, small amounts of other t	
				r protective equipment	
	Special protective equipment for firefighters	bre	athing apparatus (So	CBA) with a full face- _l	
	- In only into its	pos	sitive pressure mode.		
6.	Accidental Release Measures				
0.	Accidental Release Weasures	No	action shall be take	en involving any person	al rick or without
				ate surrounding areas. I	
	Personal Precautions			nel from entering. Do i	
		thro	ough spilled material.	. Put on appropriate p	
		equipment (see Section 8).			

8.			environmental conta	mination.	containment to avoid
	Oil mist in air. OSH	Ingredient		Exposure Lin 5 mg/m ³	nits
	Oil mist in air. OSH	Ingredient A Regulation 29: CFR 19	910.1000 Canada	5 mg/m ³	nits
		Ingredient A Regulation 29: CFR 19 Occu	910.1000 Canada upational Exposure L	5 mg/m ³	
	Oil mist in air. OSH	Ingredient A Regulation 29: CFR 19	910.1000 Canada	5 mg/m ³	Ceiling
	Oil mist in air. OSHA	Ingredient			nits
	Oil mist in air. OSHA	Ingredient			nits
	Oil mist in air OCLL	Ingredient			nits
			ipational Exposure L	E	- • 4 -
				.imits	
		Occi		imits	
0.	Exposure Limits	and recisional rivie			
8.	Exposure Limits a	and Personal Prote	ctive Equipment		
	Handling Storage		wash hands and Remove contamina entering eating area Store in accordan container protected ventilated area, awa and food and drink ready for use. Container esealed and kept unlabeled container	face before eating, of ted clothing and protes. ce with local regulation from direct sunlight in the sum of t	drinking, and smoking. Inctive equipment before ions. Store in original in a dry, cool, and well- aterials (see section 10) closed and sealed until pened must be carefully akage. Do not store in containment to avoid
		90	Eating, drinking, and	d smoking should be pi	uipment (see section 8). rohibited in areas where essed. Workers should
7.	Handling and Sto	rage			
	Methods for Clean up		Dispose of via a lice Large spill: Move sewers, water cours sweep up material container. Dispose	nsed waste disposal concontainers from spill asses, basements, or con and place in a destor via a licensed was for emergency contact	
			soil, or air). Small spill: Move of material and place	containers from spill are in a designated, la	a. Vacuum or sweep up beled waste container.
	Environmental Preca	utions	waterways, drains, a	and sewers. Inform the i	off and contact with soil, relevant authorities if the

	Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking or using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
	P	ersonal Protection
	Respiratory	Use properly fitted, air-purifying or air fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
	Hands	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
	Eyes	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposures to liquid splashes, mists, or dusts.
	Skin	Personal protection equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
	Environmental Exposure Controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements or environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
9.	Physical and Chemical Properties	
Э.	Physical State	Semi-solid, grease
	Flash Point	Not Available
	Auto-ignition Temperature	Not Available
	Flammable Limits	Not Available
	Color	Blue
	Odor	Mild petroleum odor
	рН	Not Available
	Boiling/condensation Point	Not Available
	Melting/freezing Point	Not Available
	Density	0.884 g/cm ³
	Vapor Pressure	Not Available
	Vapor Density	Not Available
	Volatility	Not Available
	Evaporation Data Viscosity	Not Available Not Available
	Dispensability Properties	Not Available Not Available
	Solubility	Insoluble in the following materials: hot and cold water
	Physical/chemical Properties Comments	Not Available
	. Hydraugariannau i rapartias commente	
10.	Stability and reactivity	
	Chemical Stability	The product is stable
	Conditions to avoid	No specific data
	Incompatible Materials	No specific data
	Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous
	nazaraous Decomposition Floudets	decomposition product should not be produced.
	Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.

11.	Toxicological Data				
	Acute Toxicity: None known United States				
	Product/Ingredient Name	Result	Species	Dose	Exposure
	-				
		Canada			
	Product/Ingredient Name	Result	Species	Dose	Exposure
			exico		
	Product/Ingredient Name	Result	Species	Dose	Exposure
		T <u>-</u>			
	Chronic Toxicity		ed or prolonged expory tract irritation.	osure to spray or	mist may produce
			o known significant e	ffects or critical haza	ards.
		Fves: N	lo known significant e	effects or critical haza	ards
	Irritation/Corrosion		-		
			atory: Repeated or pre- e respiratory tract irrita		spray or mist may
		Skin:	No specific informa	tion is available r	
	Compiting		ing properties of this	product. Sensitization	on not expected for
	Sensitizer	humans	5.		
			atory: Sensitization no		
	Carcinogenicity	There is no data on the preparation itself. Carcinogen suspected for humans. There is no data on the preparation itself. Mutagen suspected for humans. There is no data on the preparation itself. Teratogen		Carcinogenicity not	
	Mutagenicity			Mutagenicity not	
				Teratogenicity not	
	Teratogenicity	suspect	ed for humans.		
	Reproductive Toxicity		s no data on the pr ous to humans.	eparation itself. Not	t considered to be
		January			
12.	Ecological Data	Notro	dily biodogradable		
	Ecotoxicity Not readily biodegradable				
		United States			
	Aquatic Ecotoxicity		s no data available on oduct has not been		
	Persistence/Degradability		adable. This produc		
			food chains in the en		
		Ca	ınada		
	Aquatic Ecotoxicity		s no data available on		
	Persistence/Degradability		oduct has not been adable. This produc		
	reisistence/Degradability		food chains in the en		to bloacculumate
		M	exico		
	Aquatic Ecotoxicity	There is	s no data available on	the preparation itse	lf
		This pr	oduct has not been	tested for biodegra	dation. Not readily
	Persistence/Degradability		adable. This product food chains in the en		to bioacculumate
L		unougn	1004 Origins III tile el	vii Oriii iorit.	

13.	Disposal Considerations		
	Waste Disposal	The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions, and any by-products should at all times comply with the requirement of environmental protection and waste disposal legislation and any regional or local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and it's container must be disposed of in a safe way. Empty containers or liners may contain some product residues. Avoid dispersal of spilled material and run-off and contact with soil, waterways, drains, and sewers.	
	Disposal should be in accordance with applicable regional, national, and local laws and regulations Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE LIMITS AND PERSONAL		
	PROTECTIVE EQUIPMENT for addit	ional handling information and protection of employees.	
14.	Transportation Information		

Regulatory UN **Proper Shipping Name** Classes Packing Label Additional Information Number Group Information **DOT Classification** Not Regulated **TDG Classification** Not Regulated **Mexico Classification** Not Regulated ADR/RID Class Not Regulated IMDG Class Not Regulated **IATA-DGR Class** Not Regulated

<i>15.</i>	Regulatory Information	
		United States
	HSC Classification	Not Regulated
	TSCA 8(a) IUR Exempt/Partial Exemption	Not Determined
	United States Inventory (TSCA 8b)	All components are listed or exempt
	Clean Air Act Section 112(b) – Hazardous Air Pollutants (HAP'S)	Not listed

SARA 313: No listed substances

	Product Name	CAS Number	Concentration %
Form R Reporting			
Requirements			
Supplier Notification			
	L		l .

		Canada			
•	WHMIS (Canada)	Not controlled under WHMIS (Canada)			
-	Canadian NPRI	None of the components are listed			
-	CEPA Toxic Substances	None of the components are listed			
-	Canada Inventory	All components are listed or exempted			
		Mexico			
	Classification	Health: 1 Flammability: 1 Reactivity: 0			
16.	Other Information				
70.	Other Information	NOT EVER TO PROPINE CICALIFICANT ADVERCE			
	Labeling Requirements	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED			
	Hazardous Material Information System	HEALTH 1 HMIS Ratings are based on a 0-4 scale, with 0 representing minimal			
	(USA)	REACTIVITY 0 hazards or risks, and 4			
		PERSONAL representing significant hazards or risks.			
	The customer is responsible for determining the PPE code for this material.				
	Date of Issue	February 3, 2015			
	Version	2			
	Changes from Previous Version	Yes			
	Prepared by:	ECL Research and Development Department			

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