

Material Safety Data Sheet

Innovation and Experience at Work

ViscoTech TEK522

	Material Uses	Lubricant, Grease, Industrial applications			
	material 6565	Engineered Custom Lubricants (ECL)			
		3851 Exchange Ave.			
	Manufacturer	Aurora, IL 60504			
		630-449-5000			
	Product Code	ViscoTech TEK522			
	Validation Date	February 4, 2015			
	In case of emergency contact	1-630-449-5000			
	Hazards Identification	Farance and Octobridge			
		Emergency Overview			
	Physical State	Semi-solid, grease			
	Color	White			
	Odor	Mild petroleum odor			
	Hazard Statements	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFEC WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.			
	OSHA/HCS Status	While this material is not considered hazardous by the OSH Hazard Communication Standard (29 CFR 1910.1200), this MSE contains valuable information critical to the safe handling at proper use of the product. This MSDS should be retained at available for employees and other users of the product.			
	Routes of Entry	Dermal contact. Eye contact. Ingestion			
		Potential 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.			
	Pe	otential 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.			
		ver-exposure 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	TINEOD N. I	0/	
	Name		CAS Number	EINECS Number	%	
	1					
	No Haza	ardous	s or Reportable Ingred	ients		
4.	First Aid Measures					
				ny contact lenses. Imme		
	Eye Contact			at least 15 minutes, occ		
				Get medical attention if s		
				diately flush skin with ple emoving contaminated c		
	Skin Contact			euse. Get medical atter		
		occ	cur.			
		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			
	Innaiation			band. Get medical atte		
			occur. Wash out mouth with water. Do not induce vomiting unless directed to do so my medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur. No action shall be taken involving any personal risk or without suitable training. No specific treatment. Treat symptomatically. Contact poison			
	Ingestion					
	Protection for first-aiders					
	Note to Physician	trea	treatment specialist immediately if large quantities have been			
		ing	ested or inhaled.			
F	Eivofighting Mooc.					
5.	Firefighting Measures Suitable Extinguishing Media	Dr	Chemical, CO _{2.} Foan	or Water Fog		
	Suitable Extiliguishing Media			i. or water rog ie by removing all persor	ns from the vicinity	
	Special Exposure Hazards			a fire. No action shall		
		any	personal risk or withou	out suitable training.		
	Hazardous thermal decomposition			carbon monoxide,		
	products			small amounts of other t		
	Special protective equipment for			r protective equipment a CBA) with a full face- _l		
	firefighters		sitive pressure mode.	55, y with a full 1406-	ologo oporated ill	
6.	Accidental Release Measures					
				en involving any person		
	Personal Precautions			nte surrounding areas. In nel from entering. Do i		
	i Gradiai i iedautiona			. Put on appropriate p		
			uipment (see Section 8			

	Environmental Precau	itions	waterways, drai	ns, a	nd sewers. Inform the r	off and contact with soil, relevant authorities if the on (sewers, waterways,		
	Methods for Clean up		material and p Dispose of via a Large spill: M sewers, water of sweep up mat container. Disp	lace licer ove ours erial ose on 1	in a designated, lat nsed waste disposal con- containers from spill a ses, basements, or con- and place in a des of via a licensed was for emergency contact	a. Vacuum or sweep up beled waste container. htractor. area. Prevent entry into fined areas. Vacuum or ignated, labeled waste ste disposal contractor. information and section		
7.	Handling and Stor	rage						
	Handling		Eating, drinking this material is wash hands a	and han nd nina	d smoking should be pudled, stored, and proc face before eating, of ted clothing and prote	ripment (see section 8). Tohibited in areas where essed. Workers should drinking, and smoking. Ctive equipment before		
	Storage		container prote- ventilated area, and food and d ready for use. C resealed and k	eted awarink. conta ept aine	from direct sunlight in by from incompatible may Keep container tightly ainers that have been of upright to prevent lears. Use appropriate	ons. Store in original 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		
8.	Exposure Limits a	and Personal Prot	ective Fauinme	ctive Equipment				
<u> </u>			United State	3				
			cupational Exposu	re L		-:		
		Ingredient Regulation 29: CFR	1910.1000		Exposure Lin 5 mg/m ³	its		
			Canada					
	Ingredient	List Name	TWA (8 Hours		STEL (15 mins)	Ceiling		
	g. canoni				(10 1111)			
	000		Mexico					
			upational Exposure Limits Exposure Limits					
		Ingredient						
	Recommended Monito	oring Procedures	workplace, atmo	sph effe	ere, or biological monito ctiveness of the vent	sposure limits, personal, oring may be required to ilation or other control respiratory protective		
	Engineering Measures	S	No specific ve should be suf contaminants. I	ficier f thi	nt to control worker s product contains inc	ood general ventilation exposure to airborne gredients with exposure aust ventilation or other		

	T	
	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.
	F	Personal 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.
	Dhysical and Chamical Dramartics	
9.	Physical and Chemical Properties	0
	Physical State	Semi-solid, grease
	Flash Point	Not Available
	Auto-ignition Temperature	Not Available
	Flammable Limits Color	Not Available White
	Odor	Mild petroleum odor
	pH	Not Available
	•	Not Available Not Available
	Boiling/condensation Point	Not Available Not Available
	Melting/freezing Point	0.905 g/cm ³
	0.915 Vapor Pressure	Not Available
	Vapor Density	Not Available Not Available
	Volatility	Not Available Not Available
	Evaporation Data	Not Available Not Available
	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
10.	Stability and reactivity	
	Chemical Stability	The product is stable
	Conditions to avoid	No specific data
	Incompatible Materials	No specific data
		Under normal conditions of storage and use, hazardous
	Hazardous Decomposition Products	decomposition product should not be produced. Under normal conditions of storage and use, hazardous reactions
	Possibility of 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	
		Danast	ad ar prolonged ove	ocure to enroy or	miet meu preduee	
	Chronic Toxicity		ed or prolonged exp ory tract irritation.	osule to spray of	mist may produce	
		Skin: N	o known significant e	ffects or critical haza	ards.	
	Irritation/Corrosion	Eyes: N	lo known significant e	ffects or critical haza	ards.	
	irritation/corrosion	Booming	otamu Deposted or pr	rolonged evineeure to	annou or miet meu	
			atory: Repeated or pre- e respiratory tract irrita		spray or mist may	
		Skin:	No specific informa	tion is available re		
	Sensitizer	sensitiz	ing properties of this	product. Sensitization	on not expected for	
			atory: Sensitization notice is			
	Carcinogenicity	suspect	ed for humans.	•		
	Mutagenicity		is no data on the ed for humans.	preparation itself.	. Mutagenicity not	
	Teratogenicity	There	is no data on the	preparation itself.	Teratogenicity not	
			ed for humans. s no data on the pr	eparation itself. Not	t considered to be	
	Reproductive Toxicity		ous to humans.	•		
12.	Ecological Data					
	Ecotoxicity	Not rea	dily biodegradable			
	United States					
	Aquatic Ecotoxicity	There is no data available on the preparation itself		If		
		This product has not been tested for biodegradation. No				
	Persistence/Degradability		food chains in the en		to bloacculumate	
		Ca	ınada			
	Aquatic Ecotoxicity		s no data available on	the preparation itse	 If	
		This pro	oduct has not been	tested for biodegra	dation. Not readily	
	Persistence/Degradability		adable. This product food chains in the en		to bioacculumate	
			exico			
	Aquatic Ecotoxicity		s no data available on	the preparation itse	If	
		This pro	oduct has not been	tested for biodegra	dation. Not readily	
	Persistence/Degradability		adable. This product food chains in the en		to bioacculumate	
		unough	1000 GIAIIIS III LIIE EII	vii Oi II I GIII.		

13.	Disposal Considerations				
,	Waste Disposal	The generation of waste should be avoided or minimized whereve 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 additional handling information and protection of employees.				
14.	Transportation Information				

Regulatory UN **Proper Shipping Name** Classes Packing Additional Label 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

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
	HSC Classification TSCA 8(a) IUR Exempt/Partial Exemption United States Inventory (TSCA 8b) Clean Air Act Section 112(b) – Hazardous

SARA 313: No listed substances

	Product Name	CAS Number	Concentration %
Form R Reporting			
Requirements			
Supplier Notification			
	1		I.

		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					
10.	Other information	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE				
Labeling Requirements HEALTH EFFECTS WHEN THE RECOMMENDI		HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED				
	Hazardous Material Information System (USA)	HEALTH 1 FLAMMABILITY 1 REACTIVITY 0 PERSONAL PROTECTION 1 HMIS Ratings are based on a 0-4 scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.				
	The customer is responsible for determining the PPE code for this material.					
	Date of Issue	February 4, 2015				
	Version	2				
	Changes from Previous Version	Yes				
	Prepared by:	ECL Research and Development Department				

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