

Material Safety Data Sheet

Innovation and Experience at Work

RheoGel B6005FB

1.	Substance, Preparation, and Co	ompany Description
	Material Uses	Lubricant, Grease, Industrial applications
	Manufacturer	Engineered Custom Lubricants (ECL) 3851 Exchange Ave. Aurora, IL 60504 630-449-5000
	Product Code	RheoGel B6005FB
	Validation Date	January 29, 2015
	In case of emergency contact	1-630-449-5000
2.	Hazards Identification	
		Emergency Overview
	Physical State	Semi-solid, grease
	Color	Black
	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
		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.
	Po	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.
	Ov	/er-exposure signs/symptoms
	Inhalation	No specific data
	Ingestion	No specific data
	Skin	No specific data

	Eyes	No	specific data				
	Medical conditions aggravated by over- exposure	No	ne known				
3.	Composition/Component Data						
	Name		CAS Number	EINECS Number	%		
		No Hazardous or Reportable Ingredients					
4.	First Aid Measures						
	Eye Contact	wit upp	h plenty of water for a per and lower eyelids.	ny contact lenses. Imme at least 15 minutes, occ Get medical attention if s	asionally lifting the symptoms occur.		
	Skin Contact	In case of contact, immediately flush skin with plenty of least 15 minutes while removing contaminated clothing Wash clothing before reuse. Get medical attention if occur.			lothing and shoes.		
	Inhalation	Move exposed person to fresh air. If not breathing, if the irregular or if respiratory arrest occurs, provide artificial or oxygen by trained personnel. Loosen tight clothing collar, tie, belt, or waistband. Get medical attention if occur.		artificial respiration lothing such as a			
	Ingestion	to o	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.				
	Protection for first-aiders	No action shall be taken involving any personal risk or without suitable training.					
	Note to Physician	trea			tically. Contact poison quantities have been		
5.	Firefighting Measures						
0.	Suitable Extinguishing Media Dry Chemical, CO ₂ , Foam. or Water Fog						
	Special Exposure Hazards	Promptly isolate the scene by removing all persons from the v of the incident if there is a fire. No action shall be taken inv any personal risk or without suitable training.					
	Hazardous thermal decomposition products	for	maldehyde, as well as	e carbon monoxide, small amounts of other t	oxic fumes.		
	Special protective equipment for firefighters	Fire-fighters should wear protective equipment and sel breathing apparatus (SCBA) with a full face-piece of positive pressure mode.					
6.	Accidental Release Measures						
0.	Personal Precautions	sui and thre	table training. Evacua d unprotected person	en involving any person ate surrounding areas. I nel from entering. Do i . Put on appropriate p 3).	Keep unnecessary not touch or walk		

	Environmental Preca	utions	waterways, product has	drains, a	nd sewers. Inform the r	off and contact with soil, relevant authorities if the on (sewers, waterways,
	Methods for Clean up		 soil, or air). Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements, or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: See section 1 for emergency contact information and section 13 for waste disposal. 			beled waste container. htractor. htrae. Prevent entry into fined areas. Vacuum or ignated, labeled waste ste disposal contractor.
7.	Handling and Stor	rage				
	Handling		Eating, drin this materia wash hanc	king, and al is hand Is and f ontaminat	smoking should be pr dled, stored, and proc ace before eating, c ed clothing and prote	ipment (see section 8). ohibited in areas where essed. Workers should drinking, and smoking. ctive equipment before
	Storage		Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials (see section 10 and food and drink. Keep container tightly closed and sealed un ready for use. Containers that have been opened must be careful resealed and kept upright to prevent leakage. Do not store is unlabeled containers. Use appropriate containment to avoid environmental contamination.			a dry, cool, and well- aterials (see section 10) closed and sealed until pened must be carefully akage. Do not store in
8.	Exposure Limits a	and Personal Prote		nmont		
0.			United S			
			upational Exposure Limits Exposure Limits			
		Ingredient	Canada			
		Осси	upational Exp		mits	
	Ingredient	List Name	TWA (8 H		STEL (15 mins)	Ceiling
			Mexic			
		Occu Ingredient	upational Exp	osure Li	mits Exposure Lin	aite
		ingredient				1115
	Recommended Monitoring Procedures Engineering Measures		workplace, determine measures equipment.	atmosphe the effec and/or t	ere, or biological monito ctiveness of the venti he necessity to use	posure limits, personal, pring may be required to lation or other control respiratory protective
			should be	sufficier		ood general ventilation exposure to airborne predients with exposure

	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 r		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	
	Physical State	Semi-solid, grease
	Flash Point	Not Available
	Auto-ignition Temperature	Not Available
	Flammable Limits	Not Available
	Color	Black
	Odor	Mild petroleum odor
	pH	Not Available
	Boiling/condensation Point	Not Available
	Melting/freezing Point	Not Available
	Density	0.9 g/cm ³
	Vapor Pressure	Not Available
	Vapor Density	Not Available
	Volatility	Not Available
	Evaporation Data	Not Available
	Viscosity	Not Available
	Dispensability Properties	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
	Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition product should not be produced.
	Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
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11.	Toxicological Data						
	Acute Toxicity: None known						
	Product/Ingredient Name	Result	ed States Species	Dose	Exposure		
		c					
	Product/Ingredient Name	Result	anada Species	Dose	Exposure		
		N					
	Product/Ingredient Name	Result	Species	Dose	Exposure		
	Chronic Toxicity		ted or prolonged exp	osure to spray or	mist may produc		
			tory tract irritation. No known significant ef	fects or critical haza	ards.		
	Irritation/Corrosion	Eyes: I	No known significant e	ffects or critical haza	ards.		
		produc	atory: Repeated or pro	tion.			
	Sensitizer		No specific informat zing properties of this s.				
	Carcinogenicity	There	•	ot expected for hum preparation itself.	ected for humans. ation itself. Carcinogenicity n		
	Mutagenicity	There	ted for humans. is no data on the ted for humans.	preparation itself.	aration itself. Mutagenicity no		
	Teratogenicity	suspec	ted for humans.				
	Reproductive Toxicity	productive Toxicity There is no data on the preparation itself. Not considered to dangerous to humans.					
12.	Ecological Data Ecotoxicity Not readily biodegradable						
	Ecotoxicity		ed States				
	Aquatic Ecotoxicity	There i	s no data available on	the preparation itse	lf		
	Persistence/Degradability	This p biodeg	roduct has not been radable. This produc n food chains in the en	tested for biodegra t is not expected	dation. Not readil		
		Canada					
	Aquatic Ecotoxicity	This product has not been tested for biode					
	Persistence/Degradability			t is not expected			
		Μ	exico				
	Aquatic Ecotoxicity		s no data available on				
	Persistence/Degradability	This p biodeg	roduct has not been radable. This produc n food chains in the en	tested for biodegra t is not expected	dation. Not readil		

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 additional handling information and protection of employees.		
14.	Transportation Information		

Regulatory Information	UN Number	Proper Shipping Name	Classes	Packing Group	Label	Additional 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					

15. 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			

	Canada				
	WHMIS (Canada)	Not controlled under WHMIS	S (Canada)		
	Canadian NPRI	None of the components are	listed		
	CEPA Toxic Substances	None of the components are	e listed		
	Canada Inventory	All components are listed or exempted			
		Mexico	·		
	Classification	Health: 1 Flammability: 1 Reactivity: 0			
16.	Other Information				
10.		NOT EXPECTED TO PROD	UCE SIGNIFICANT ADVERSE		
	Labeling Requirements	HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED			
	Hazardous Material Information System (USA)	HEALTH FLAMMABILITY REACTIVITY PERSONAL PROTECTION	1HMIS Ratings are based1on a 0-4 scale, with 00representing minimal0hazards or risks, and 4Brepresenting significanthazards or risks.		
	The customer is responsible	e for determining the PPE co	ode for this material.		
	Date of Issue	January 29, 2015			
	Version	2			
	Changes from Previous Version	Yes			
	Prepared by:	ECL Research and Developr	ment Department		
	product for particular uses are beyond our control; all ris DISCLAIM ALL WARRANTIES OF EVERY KIND AND NA PARTICULAR PURPOSE IN RESPECT TO THE USE procedures should be provided to handlers and users. Alte no responsibility for accuracy of information unless the do	offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the bi; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A E USE OR SUITABILITY OF THE PRODUCT. Appropriate warnings and safe handling ers. Alteration of this document is strictly prohibited. Engineered Custom Lubricants assumes s the document is the most current available from an official Engineered Custom Lubricants presents nor warrants that the format, content or product formulas contained in this document is United States of America.			