

Material Safety Data Sheet

Innovation and Experience at Work

UltraSil 824

1.	Substance, Preparation, and Company Description		
	Material Uses	Lubricant, Grease, Industrial applications	
		Engineered Custom Lubricants (ECL)	
	Manufacturer	3851 Exchange Ave.	
	Manaratarer	Aurora, IL 60504	
		630-449-5000	
	Product Code	UltraSil 824	
	Validation Date	February 3, 2015	
	In case of emergency contact	1-630-449-5000	
2.	Hazards Identification		
		mergency Overview	
	Physical State	Semi-solid, grease	
	Color	Off-white	
	Odor	Nearly odorless	
		,	
	Hazard Statements	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.	
		While this material is not considered hazardous by the OSHA	
		Hazard Communication Standard (29 CFR 1910.1200), this MSDS	
	OSHA/HCS Status	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	
		tial 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.	
		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.	
	Over-ex	cposure signs/symptoms	
	Inhalation	No specific data	
	Ingestion	No specific data	

	Skin	I	lo specific data		
	Eyes		lo specific data		
	Medical conditions aggravated by over-		lone known		
	exposure				
3.	Composition/Component Data				
	•				
	Name		CAS Number	EINECS Number	%
	No Haz	ardo	ous or Reportable Ingredien	ts	
4.	First Aid Measures				
			Check for and remove any		
	Eye Contact		vith plenty of water for at I		
			pper and lower eyelids. Ge		
	Skin Contact	le V o	n case of contact, immedia east 15 minutes while remanders Wash clothing before reus accur.	oving contaminated cl se. Get medical atter	othing and shoes. ntion if symptoms
	Inhalation	ir o c	Move exposed person to fregular or if respiratory are oxygen by trained persolollar, tie, belt, or waistballocur.	rest occurs, provide a onnel. Loosen tight cl nd. Get medical atter	ntificial respiration othing such as a nation if symptoms
	Ingestion	to u	Vash out mouth with water or do so my medical person unconscious person. Get me	nel. Never give anythi edical attention if symp	ng by mouth to an otoms occur.
	Protection for first-aiders	s	lo action shall be taken uitable training.		
	Note to Physician	tı	No specific treatment. Treat symptomatically. Contact poisor treatment specialist immediately if large quantities have beer ingested or inhaled.		
_	Fination Managemen				
5.	Firefighting Measures		on the mind of Feet	\ \ / a t a	
	Suitable Extinguishing Media		Ory Chemical, CO ₂ , Foam. or Promptly isolate the scene		o from the violaity
	Special Exposure Hazards	o a	of the incident if there is a any personal risk or without	fire. No action shall be suitable training.	be taken involving
	Hazardous thermal decomposition products	fo	Burning may produce ormaldehyde, as well as sm	nall amounts of other to	oxic fumes.
	Special protective equipment for firefighters	b	Fire-fighters should wear preathing apparatus (SCB positive pressure mode.		
_					
6.	Accidental Release Measures				
	Personal Precautions	s a th	No action shall be taken uitable training. Evacuate and unprotected personnel hrough spilled material. Fequipment (see Section 8).	surrounding areas. It from entering. Do rout on appropriate pe	Keep unnecessary not touch or walk ersonal protection
	Environmental Precautions	w p	void dispersal of spilled materways, drains, and sew product has caused enviroul, or air).	ers. Inform the relevar	nt authorities if the

	Methods for Clean up		material Dispose of Large sp sewers, v sweep u container Note: See	and place of via a licen oill: Move o vater course p material . Dispose	in a designated, lates waste disposal corportainers from spill ares, basements, or conand place in a desof via a licensed wasfor emergency contact	a. Vacuum or sweep up beled waste container. Intractor. Information and section
7.	Handling and Stor	rage				
	Handling		Eating, d this mate wash ha Remove entering	rinking, and rial is hand nds and f contaminate eating areas	smoking should be prodled, stored, and procace before eating, ced clothing and prote	ripment (see section 8). Tohibited in areas where essed. Workers should drinking, and smoking. Ctive equipment before
	Storage		container ventilated and food ready for resealed unlabeled	protected area, away and drink. use. Conta and kept	from direct sunlight in y from incompatible ma Keep container tightly iners that have been of upright to prevent lea s. 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	nd Personal Prote	ctive Equ	uipment		
		Occi		States xposure Li	mite	
		Ingredient	upationai L	Aposule Li	Exposure Lim	nits
			Canada			
	Ingredient	List Name	upational Exposure Limits TWA (8 Hours) STEL (15 mins) Ceiling			Ceiling
	iiigi odioiit	Liot Haillo	1117 (0		5122 (10 mmo)	Coming
		Me	xico			
		upational Exposure Limits				
	Ingredient				Exposure Lin	nits
	Recommended Monito	oring Procedures	workplace determine measures equipmen	e, atmosphe e the effec s and/or t nt.	ere, or biological monitor etiveness of the venti the necessity to use	posure limits, personal, oring may be required to ilation or other control respiratory protective
	Engineering Measures	3	should be contaminated limits, us engineeri	e sufficien ants. If this e process ng control	t to control worker product contains ing enclosures, local exha	ood general ventilation exposure to airborne gredients with exposure aust ventilation or other exposure below any

	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.	
	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.	
9.	Physical and Chemical Properties		
<i>3.</i>	Physical State	Semi-solid, grease	
	Flash Point	Not Available	
	Auto-ignition Temperature	Not Available	
	Flammable Limits	Not Available	
	Color	Off-white	
	Odor	Nearly odorless	
	рН	Not Available	
	Boiling/condensation Point	Not Available	
	Melting/freezing Point	Not Available	
	Density Variation Processing	1.19 g/cm ³ Not Available	
	Vapor Pressure Vapor Density	Not Available Not Available	
	Volatility	Not Available 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.	

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	1		
	Product/Ingredient Name	Result	Species	Dose	Exposure	
		F _				
	Chronic Toxicity		ed or prolonged exp ory tract irritation.	osure to spray or	mist may produce	
			o known significant e	ffects or critical haza	ards.	
		Fves: N	lo known significant e	ffects 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 re		
	Sensitizer	sensitiz humans	ing properties of this	product. Sensitization	on not expected for	
	Sensitizer	Tiumans	•			
			atory: Sensitization no			
	Carcinogenicity	There is no data on the preparation itself suspected for humans.		•	,	
	Mutagenicity		is no data on the ed for humans.	preparation itself.	Mutagenicity not	
	Teratogenicity	There is no data on the preparation itself. Tera suspected for humans. There is no data on the preparation itself. Not con dangerous to humans.		Teratogenicity not		
				t considered to be		
	Reproductive Toxicity			eparation itsell. Not	. Not considered to be	
40	Factoriaal Data					
12.	Ecological Data Ecotoxicity	Not rea	dily biodegradable			
		<u> </u>	d States			
	Agustia Esstavisity	There is no data available on the preparation itself		ı f		
	Aquatic Ecotoxicity		oduct has not been			
	Persistence/Degradability	biodegr	adable. This produc	t is not expected		
			food chains in the en	vironment.		
			ınada			
	Aquatic Ecotoxicity		s no data available on oduct has not been			
	Persistence/Degradability	biodegr	adable. This produc	t is not expected		
		through	food chains in the en	vironment.		
		Me	exico			
	Aquatic Ecotoxicity		no data available on			
	Persistence/Degradability		oduct has not been adable. This produc			
			food chains in the en			

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 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

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 %
	Product Name	Product Name CAS Number

		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			
1.5					
16.	Other Information				
	Labeling Requirements	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED			
	Hazardous Material Information System (USA)	HEALTH FLAMMABILITY REACTIVITY 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 3, 2015			
	Version	2			
-	Changes from Previous Version	Yes			
	Prepared by:	ECL Research and Development Department			

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