

Material Safety Data Sheet

Innovation and Experience at Work

UltraSil 425-1

1.	Substance, Preparation, and Co	ompany Description
	Material Uses	Lubricant, Grease, Industrial applications
		Engineered Custom Lubricants (ECL)
	Manufacturer	3851 Exchange Ave.
	Manufacturei	Aurora, IL 60504
		630-449-5000
	Product Code	UltraSil 425-1
	Validation Date	February 3, 2015
	In case of emergency contact	1-630-449-5000
2.	Hazards Identification	
		Emergency Overview
	Physical State	Semi-solid, grease
	Color	Off-white
	Odor	Nearly odorless
	Hazard Statements	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECT 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 MSD
		contains valuable information critical to the safe handling an
		proper use of the product. This MSDS should be retained an
		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.
		/er-exposure 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 Ingredier	ts		
4.	First Aid Measures					
			Check for and remove any			
	Eye Contact		with plenty of water for at I			
			pper and lower eyelids. Gen case of contact, immedia			
	Skin Contact	le V o	east 15 minutes while reme Vash clothing before reus occur.	oving contaminated cl se. Get medical atter	othing and shoes. ntion if symptoms	
	Inhalation	ir o c	Move exposed person to fresh air. If not breathing, if breathing irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as collar, tie, belt, or waistband. Get medical attention if symptomoccur.		rtificial respiration othing such as a	
	Ingestion	Wash out mouth with water. Do not induce vomiting unless to do so my medical personnel. Never give anything by mou unconscious person. Get medical attention if symptoms occurred.		ng by mouth to an otoms occur.		
	Protection for first-aiders	No action shall be taken involving any personal risk or wire suitable 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	М		
	Suitable Extinguishing Media		Ory Chemical, CO ₂ , Foam. or Promptly isolate the scene		o from the vicinity	
	Special Exposure Hazards	o a	of the incident if there is a any personal risk or without	fire. No action shall I 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 per	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 releval	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 licer oill: Move owater course p material of 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 erial is hand ands and f contaminate eating areas	smoking should be prodled, stored, and proclace before eating, cled clothing and protes.	ripment (see section 8). Tohibited in areas where essed. Workers should drinking, and smoking. Ctive equipment before	
	Storage		Store in container ventilated and food ready for resealed unlabeled	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 until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.			
8.	Exposure Limits a	and Personal Prote	ctive Equ	uipment			
			States	mits			
		Ingredient	upational Exposure Limits Exposure Limits				
			Canada				
	Ingredient	Occı List Name	upational Exposure Limits TWA (8 Hours) STEL (15 mins) Ceiling			Ceiling	
	Ingredient	List Humo	11174 (0	110013)	0122 (10 111113)	Jennig	
		Mexico					
		cupational 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 monito ctiveness of the venti he necessity to use	posure limits, personal, oring may be required to flation or other control respiratory protective	
	Engineering Measures	No specific ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborn contaminants. If this product contains ingredients with exposur limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below an recommended or statutory limits.			exposure to airborne predients with exposure aust ventilation or other		

	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 Versa Processing	Approx. 1.0 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			
	Product/Ingredient Name	Result	Species	Dose	Exposure	
		Dancet	ad ar prolonged over	ocure to enroy or	miet meu produce	
	Chronic Toxicity		ed or prolonged exp ory tract irritation.	osure to spray or	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	otanu Donastad ar ni	rolonged evineeure to	annou or mist may	
			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	
		Bassin		-		
	O and the amount of the			ot expected for humans. preparation itself. Carcinogenicity not		
	Carcinogenicity	suspected for humans. There is no data on the preparation itself. Mutages suspected for humans. There is no data on the preparation itself. Terator suspected for humans. There is no data on the preparation itself. Not consider the dangerous to humans.		•	If Mutanasiaita aat	
	Mutagenicity			Mutagenicity not		
	Teratogenicity			Teratogenicity not		
				t considered to be		
	Reproductive Toxicity					
12.	Ecological Data	L				
	Ecotoxicity	Not rea	dily biodegradable			
		Unite	d States			
	Aquatic Ecotoxicity	There is	s no data available on	the preparation itse	lf	
	Poweistance/Pogradahility		oduct has not been adable. This produc			
	Persistence/Degradability		food chains in the en		to bloacculumate	
		Ca	ınada			
	Aquatic Ecotoxicity		s no data available on	the preparation itse	If	
		This pr	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	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	
		i anough				

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 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

5.	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	
	Air Pollutants (HAP'S)	1101.1101.00	

SARA 313: No listed substances

	Product Name	CAS Number	Concentration %
Form R Reporting			
Requirements			
Supplier Notification			
			<u> </u>

		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				
40	04 1-5					
16.	Other Information	NOT EVER TO PROPUSE CIONIFICANT ADVERGE				
	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 O 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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