

# **Material Safety Data Sheet**

Innovation and Experience at Work

# **CHRISTO-LUBE® MCG 110**

Material Uses  Manufacturer  Product Code Validation Date In case of emergency contact	Lubricant, Grease, Industrial applications Engineered Custom Lubricants (ECL) 3851 Exchange Ave. Aurora, IL 60504 630-449-5000 CHRISTO-LUBE MCG 110 December 17, 2014 1-630-449-5000
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In case of emergency contact	
	1-630-449-5000
Horoxdo Idontification	
nazaros identification	
E	Emergency Overview
	Semi-solid, grease
Color	White
Odor	Nearly odorless
	NOT EXPECTED TO PROPUOE CIONIFICANT ADVERGE HEALTH EFFECTS
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
Poutos of Entry	available for employees and other users of the product.  Dermal contact. Eye contact. Ingestion
	ntial acute health effects
	No known significant effects or critical hazards.
	No known significant effects or critical hazards.
	No known significant effects or critical hazards.
	No known significant effects or critical hazards.
	tial chronic health effects
	No known significant effects or critical hazards.
	No known significant effects or critical hazards.
	No known significant effects or critical hazards.
	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.
	exposure signs/symptoms
Inhalation	No specific data
Ingestion	No specific data
	Physical State Color Odor  Hazard Statements  OSHA/HCS Status  Routes of Entry Pote Inhalation Ingestion Skin Eyes Poten Chronic effects Carcinogenicity Mutagenicity Fertility effects Developmental effects Over-einhalation

	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	nts			
4.	First Aid Measures						
	Eye Contact		heck for and remove any vith plenty of water for at I				
		u	pper and lower eyelids. Ge	t medical attention if s	ymptoms occur.		
	Skin Contact	le V	n case of contact, immedia east 15 minutes while removed Vash clothing before reus ccur.	oving contaminated cl	othing and shoes.		
	Inhalation	ir o c	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt, or waistband. Get medical attention if symptoms occur.				
	Ingestion	to u	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	s	No action shall be taken involving any personal risk or withou suitable training.				
	Note to Physician	tı	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.				
	Fivefielding Managers						
5.	Firefighting Measures		Anni Obranical OO France	\\/ - t \\\ - t \\\			
	Suitable Extinguishing Media Special Exposure Hazards	Dry Chemical, CO <sub>2</sub> , Foam. or Water Fog  Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving			ns from the vicinity oe taken involving		
	Hazardous thermal decomposition products	Е	any personal risk or without suitable training.  Burning may produce gaseous hydrogen fluoride (HF).,				
	Special protective equipment for firefighters	Fluorophosgene  Fire-fighters should wear protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.					
6.	Accidental Release Measures						
	Personal Precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protection equipment (see Section 8).			Keep unnecessary not touch or walk ersonal protection		
	Environmental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).			nt authorities if the		

	Methods for Clean up		material and place Dispose of via a lice Large spill: Move sewers, water cours sweep up material container. Dispose	e in a designated, la nsed waste disposal co containers from spill a ses, basements, or cor and place in a des of via a licensed wa for emergency contact	ta. Vacuum or sweep up beled waste container. ntractor. area. Prevent entry into afined areas. Vacuum or signated, labeled waste ste disposal contractor. information and section		
7.	Handling and Sto	rane					
7.	Handling	ruge	Eating, drinking, and this material is har wash hands and	d smoking should be pudled, stored, and proceed face before eating, ted clothing and prote	uipment (see section 8). rohibited in areas where sessed. Workers should drinking, and smoking. ective 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 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	ective Equipment				
			United States				
		Ingredient	upational Exposure Limits  Exposure Limits				
	Canada						
	Ingredient	List Name	upational Exposure L TWA (8 Hours)	STEL (15 mins)	Ceiling		
			Mexico				
			upational Exposure Limits				
		Ingredient		Exposure Lir	nits		
	Recommended Monit	toring Procedures	measures and/or the necessity to use respiratory protective				
	Engineering Measure	es	equipment.  No specific ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.				
	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
	Use properly fitted, air-purifying or air fed respirator complying with
	an approved standard if a risk assessment indicates this is
Respiratory	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.
	Chemical-resistant, impervious gloves complying with an approved
Hands	standard should be worn at all times when handling chemical
	products if a risk assessment indicates this is necessary.
_	Safety eyewear complying with an approved standard should be
Eyes	used when a risk assessment indicates this is necessary to avoid
	exposures to liquid splashes, mists, or dusts.
Claim	Personal protection equipment for the body should be selected
Skin	based on the task being performed and the risks involved and
	should be approved by a specialist before handling this product.  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
<b>Environmental Exposure Controls</b>	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	White
Odor	Nearly odorless
рН	Not Available
Boiling/condensation Point	Not Available
Melting/freezing Point	Not Available
Density	1.7-1.9 g/cm <sup>3</sup>
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.
11. Toxicological Data	

	United	d States					
Product/Ingredient Name	Result	Species	Dose	Exposure			
	Ca	nada		1			
Product/Ingredient Name	Result	Species	Dose	Exposure			
Product/Ingredient Name	Result	exico Species	Dose	Exposure			
Chronic Toxicity	respirato	d or prolonged expo					
	Skin: No	known significant eff	ects or critical haza	ırds.			
Irritation/Corrosion	Eyes: No	o known significant eff	ects or critical haza	ards.			
		tory: Repeated or pro		spray or mist			
Sensitizer	Skin: N sensitizir	produce respiratory tract irritation. <b>Skin:</b> No specific information is available regarding the sensitizing properties of this product. Sensitization not expected humans.					
	Respira	tory: Sensitization not	t expected for humans.				
Carcinogenicity	There is no data on the preparation itself. Carcinoger suspected for humans.			Carcinogenicity			
Mutagenicity	There is	s no data on the ed for humans.	preparation itself.	Mutagenicity			
Teratogenicity	There is	s no data on the ped for humans.	preparation itself.	Teratogenicity			
Reproductive Toxicity	There is	There is no data on the preparation itself. Not considered to dangerous to humans.					
Ecological Data							
Ecotoxicity	Not read	lily biodegradable					
	United	d States					
Aquatic Ecotoxicity		no data available on t					
Persistence/Degradability	biodegra	duct has not been to adable. This product food chains in the env	is not expected				
Canada							
Aquatic Ecotoxicity		no data available on t					
Persistence/Degradability	biodegra	This product has not been tested for biodegradation. Not re- biodegradable. This product is not expected to bioacculur through food chains in the environment.					
	Ме	exico					
Aquatic Ecotoxicity		no data available on t					
Persistence/Degradability	biodegra	This product has not been tested for biodegradation. Not readi biodegradable. This product is not expected to bioacculumate through food chains in the environment.					

## **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 (Canada)			
Canadian NPRI	None of the components are listed			

	CEPA Toxic Substances	None of the components ar			
	Canada Inventory	All components are listed o	r exempted		
		Mexico			
	Classification	Health: 1 Flammability: 0 Reactivity: 0			
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 on a 0-4 scale, wirepresenting min hazards or risks, representing sign hazards or risks.			
	The customer is responsit	le for determining the PPE of	code for this	s material	
	Date of Issue	December 17, 2014			
	Version	1			
	Changes from Previous Version	N/A			
	Prepared by:	-	h and Development Department		

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