

MATERIAL SAFETY DATA SHEET



SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier CitruMuls		[WHMIS(Canada) Classification]: HMS/NFPA: [2]Health[0]Flammability[0]Reactivity 0=None, 1=Minor, 2=Major, 3=Severe	
Product Use: Laundry Solvent Emulsifier			
Manufacturer's Name: Chemcorp Industries Inc.		Supplier's Name: .	
Street Address #19-5730 Coopers Av.		Street Address	
City Mississauga		Province ON	City
Postal Code L4Z 2E9	Emergency Telephone: 1 888 729 6478	Postal Code	Emergency Telephone
Date MSDS Prepared August 2010		MSDS Prepared By: Regulatory/Safety Dept	Phone Number

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
D-Limonene	20-30	5989-27-5	5000 mg/kg, oral rat	NA
2 Butoxy Ethanol	15-25	111-76-2	470 mg/kg	NA
Ethoxylated Alcohol	7-15	68439-86-3	Greater than 2000mg/kg	NA
Phosphate Ester, ethoxylated	3-8	Blend	NA	NA
Potassium Hydroxide	1-5	1310-58-3	273 mg/kg	NA

SECTION 3 — HAZARDS IDENTIFICATION

[] Route of Entry [X] Skin Contact [X] Skin Absorption [X] Eye Contact [X] Inhalation [X] Ingestion	
	
WHMIS Symbols] 	
Potential Health Effects: Irritating to eyes and damage to skin on contact	
Emergency Overview: Clear liquid, irritatating to eyes. Needs handling with all necessary safety precaution.	

SECTION 4 — FIRST AID MEASURES

Skin Contact: Immediately wash with clean running water for 15 minutes, seek medical attention if irritation persists
Eye Contact: Immediately flush with running water for at least 15 minutes, seek medical attention immediately.
Inhalation: Move to fresh air, seek medical attention if discomfort persists
Ingestion: If conscious drink plenty of fresh water, seek medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable [] Yes [X] No	If yes, under which conditions?		
Means of Extinction: Like surrounding material			
Flashpoint (° C) and Method: None	Upper Flammable Limit (% by volume): NA	Lower Flammable Limit (% by volume) NA	
Auto-ignition Temperature (°C) NA	Explosion Data — Sensitivity to Impact NA	Explosion Data — Sensitivity to Static Discharge NA	
Hazardous Combustion Products: Oxides of carbon, sodium			
[NFPA]: See top right hand corner, page 1			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
If spilled by accident, wear protective eye and hand gears, dike the liquid, sprinkle generous quantity of dry absorbent and collect scoop up.
For disposal. Wash the area with water. Dispose of the waste as per all prevailing regulations.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment	Handle with care. Do not drop or puncture container
Storage Requirements	Store in a dry cool place

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits [NA] ACGIH TLV [NA] OSHA(PEL) OSHA [] Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) Normal ventilation
Personal Protective Equipment [Yes] Gloves [Yes] Respirator [Yes] Eye [] Footwear [] Clothing [] Other
If checked, please specify type: Gloves: Rubber, NIOSH approved respirator
Chemical goggles with side shield
Full sleeve shirt and rubber boots

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Odor and Appearance: Clear Liquid	Odor Threshold (ppm): NA
Specific Density(water=1): 1	Vapor Density (air = 1): NA	Vapor Pressure (mmHg): NA
Evaporation Rate: NA	Boiling Point (° C) NA	Freezing Point (° C) NA
pH (10% soln) 12-13	Coefficient of Water/Oil Distribution NA	[Solubility in Water] Complete

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/>	If yes, which ones? Strong Acids
Reactivity and under what conditions		None.
Hazardous Decomposition Products		
Oxides of Carbon		

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure: Severe damage to eyes & stomach	
Effects of chronic exposure: Dermatitis of skin	
Irritancy of Product: Irritant	
Skin sensitization None known, basis raw material	Respiratory sensitization None known, basis raw material
Carcinogenicity-IARC None known, basis raw material	Carcinogenicity - ACGIH None known, basis raw material
Reproductive toxicity None known, basis raw material	Teratogenicity None known, basis raw material
Embriotoxicity None known, basis raw material	Mutagenicity None known, basis raw material
Name of synergistic products/effects None known, basis raw material	

SECTION 12 — ECOLOGICAL INFORMATION

Aquatic toxicity: A large quantity of the product will be toxic to marine life
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SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal	Do not discharge this product in to a natural water stream like lake or river. Do not discharge in a sewer
system. Dispose of any unwanted or unused product as per prevailing regulations	

SECTION 14- TRANSPORT INFORMATION

Special Shipping Information	Non regulated		
		PIN	1824
[TDG]	No	[DOT]	No
[IMO]	No	[ICAO]	No

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification]Canada	Yes	[OSHA]USA	Yes
DSL]Canada	Yes	[TSCA]USA	Yes
This MSDS will conform to the WHMIS requirements in Canada and OSHA in the USA. Although it does not contain all the European Union formats it can be used to those requirements.			

SECTION 16 — OTHER INFORMATION

This MSDS is based on the information provided by the ingredient suppliers on their MSDS and thought to be correct. Many
Information are either not available or have not been established as the blended compound has not been tested. The
Manufacturer does not have control on how the product is used. All efforts have been made to make safety information
Available on possible situations. The buyer and their employees shall familiarize themselves completely about the product
before using. This MSDS and any other information about the ingredients available should be provided to person(s) dealing
With the product before hand in compliance with all regulations/legislations in force at the location. The manufacturer offers
No additional warranty and takes no responsibility for any damage that may occur from the unsafe use of this product.