



LABS BETA

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 01/01/2020

1. CHEMICAL PRODUCT IDENTIFICATION LABS BETA					
General Use: MILL SANITATION			EMERGENCY TELEPHONE NUMBER: LABS 502-4021-2325		
2. COMPOSITION/INFORMATION ON INGREDIENTS					
OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)			EXPOSURE LIMITS 8 HRS. TWA (PPM)		
Component	Hazard	CAS#	OSHA STEL	OSHA PEL	ACGIH TLV
POTASSIUM SALT OF HOPS BETA ACID	IRRITANT	N/A	NONE	NONE	NONE
3. HAZARDS IDENTIFICATION					
EMERGENCY OVERVIEW: THIS WATER BASED SOLUTION IS AN IRRITANT.					
POTENTIAL HEALTH EFFECTS					
INHALATION:	INHALING THE MIST MAY CAUSE IRRITATION.	EYE CONTACT:	MAY CAUSE EYE IRRITATION		
INGESTION:	MAY BE HARMFUL OR FATAL	CHRONIC:	NONE		
SKIN CONTACT:	CAN CAUSE SKIN IRRITATION.	TARGET ORGANS:	POINT OF CONTACT.		
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	N.D.				
4. FIRST AID MEASURES					
INHALATION:	REMOVE TO FRESH AIR.	SKIN CONTACT:	WASH WITH SOAP AND WATER.		
EYE CONTACT:	FLUSH EYES WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.	INGESTION:	INDUCE VOMITING IMMEDIATELY, AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.		
NOTES TO PHYSICIAN:	NONE				
5. FIRE FIGHTING MEASURES					
Flashpoint (°F) and Method:	WATER SOLUTION – DOES NOT BURN	Auto ignition Temperature (°F):	N.D.		
FLAMMABLE LIMITS:	Ingredient: NONE	UEL:	N/A	LEL:	N/A
GENERAL HAZARD:	IRRITANT – MAY BE SLIPPERY WHEN SPILLED.	FIRE FIGHTING EQUIPMENT:	WEAR SELF CONTAINED BREATHING APPARATUS.		
FIRE FIGHTING INSTRUCTIONS:					
EXTINGUISHING MEDIA:					
Foam:	YES	Alcohol Foam:	YES	CO2:	YES
Dry Chemical:	YES	Water:	YES	Other:	NONE
HAZARDOUS COMBUSTION PRODUCTS:	OXIDES OF ALUMINUM, CHLORINE AND SULFER.				
NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS:					
	0 – Insignificant	1 – Slight	2 – Moderate	3 – High	
	4 – Extreme	U – Unknown	* - No Information		
Health	:1				
Flammability	:0				
Reactivity	:0				
SPECIAL INFORMATION:	ACID.				

N/A: Not Applicable
N/D: Not Determined
N/E: Not Established

- Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.

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6. ACCIDENTAL RELEASE MEASURES
 LAND SPILL: **ABSORB AND NEUTRALIZE WITH SODA ASH. DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL GUIDELINES.** WATER SPILL: **REPORT TO THE APPROPRIATE AUTHORITIES.**

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (°F): **ROOM TEMPERATURE** STORAGE PRESSURE: **ATMOSPHERIC**

GENERAL: **STORE IN A COOL, DRY AREA, KEEP CONTAINER CLOSED, KEEP FROM FREEZING AND WASH AFTER HANDLING.**

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: **LOCAL EXHAUST – USE WITH ADEQUATE VENTILATION.**

PERSONAL PROTECTION: **GOGGLES**

RESPIRATOR: **NONE** PROTECTIVE CLOTHING: **RUBBER GLOVES**

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg)	:	SAME AS WATER	pH	:	10.0 – 11.5
Specific Gravity (Water=1)	:	1.00-1.03	Odor	:	TYPICAL
Solubility in Water	:	COMPLETE	Appearance	:	AMBER TO BROWN
Freezing Point	:	N.D.	Physical State	:	LIQUID
Evaporation Rate (BuAc=1)	:	N.D.	Vapor Density (Air=1)	:	SAME AS WATER
Viscosity	:	N.D.	Percent Volatile by Vol	:	N.D.
Boiling Point (°F)	:	212-220			

10. STABILITY AND REACTIVITY

GENERAL: **STABLE**

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: **PRODUCT DEGRADES AT ELEVATED TEMPS, STRONG BASES, METALS.**

HAZARDOUS DECOMPOSITION PRODUCTS: **UNKNOWN**

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC INFORMATION: **N/E**

CAS#: **NONE** % WT.: **N/A**

IARC: **NOT LISTED** NTP: **NOT LISTED** OSHA: **NOT LISTED** ACGIH: **NOT LISTED** OTHER: **NONE**

12. ECOLOGICAL INFORMATION: **NONE**

13. DISPOSAL CONSIDERATION

RCRA Hazard Class: **CORROSIVE - ACID.**

14. TRANSPORT INFORMATION:

DOT (Department of Transportation)

Proper Shipping Name: **CORROSIVE LIQUID, N.O.S**
 Hazard Class: **8** Identification Number: **UN1760**

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY.

CERCLA (Comprehensive Environmental Response Compensation, and Liability Act)

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: **NONE**

313 Reportable Ingredients: **NONE LISTED**

16. OTHER INFORMATION

REFERENCE: **PRODUCT FILE #F**

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL. IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.

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