

# MATERIAL SAFETY DATA SHEET

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## SECTION I

## PRODUCT IDENTIFICATION

PRODUCT NAME : LANCERACID, Citric  
CHEMICAL NAME : ACIDIC BLEND  
FORMULA : PROPRIETARY  
DOT HAZARD CLASS : CITRIC ACID SOLUTION, NON-HAZARDOUS

<u>HAZARD RATING (NFPA 704)</u>	<u>HAZARD RATING</u>	<u>PROTECTIVE EQUIPMENT</u>
HEALTH: 0	0=MINIMAL	A= GOGGLES
FIRE: 0	1=SLIGHT	B= GOGGLES, GLOVES
REACTIVITY: 0	2=MODERATE	C= GOGGLES, GLOVES, APRON
PROTECTIVE EQUIPMENT: C	3=SERIOUS	D= GOGGLES, GLOVES, APRON, FACE SHIELD
	4=SEVERE	E= GOGGLES, GLOVES, RESPIRATOR

**CHEMTREC'S 24 HOUR EMERGENCY TELEPHONE NUMBER 800-424-9300**

## SECTION II

## HAZARDOUS INGREDIENTS

SUBSTANCES LISTED IN THIS SECTION ARE THOSE IDENTIFIED AS BEING PRESENT AT A CONCENTRATION OF 1% OR GREATER, OR 0.1% IF THE SUBSTANCE IS ON THE LIST OF POTENTIAL CARCINOGENS CITED IN OSHA HAZARD COMMUNICATION STANDARD.

MATERIAL	CAS#	TLV	PEL
NONE			

## SECTION III

## PHYSICAL DATA

BOILING POINT: 212 °F  
VAPOR PRESSURE: <1.0  
VAPOR DENSITY: (AIR=1): WATER BASED  
EVAPORATION RATE: (BUTYL ACETATE=1): >1  
PH (CONCENTRATE): 1.0-2.5  
DESCRIPTION: CLEAR SOLUTION, SLIGHT CITRUS ODOR

VOLATILE: 0%  
SOLUBILITY IN WATER: COMPLETE  
SPECIFIC GRAVITY: 1.07-1.11  
VISCOSITY: NOT APPLICABLE

## SECTION IV

## FIRE AND EXPLOSION HAZARDS

FLASH POINTS: NON-FLAMMABLE  
EXTINGUISHING MEDIA: WATER. WEAR PROTECTIVE PRESSURE SELF-BREATHING CONTAINED APPARATUS.  
UNUSUAL FIRE OR EXPLOSIVE HAZARD: NONE  
METHOD USED: C.O.C.

**SECTION V****HEALTH HAZARD DATA*****SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)***

- EYE CONTACT : MAY CAUSE PAIN, LACHRYMATION (TEAR), AND MINOR IRRITATION TO CORNEAL.
- INHALATION : MAY CAUSE MILD IRRITATION OF NOSE AND MOUTH.
- INGESTION : CAN CAUSE BURNS TO MOUTH, THROAT, AND GASTROINTESTINAL TRACT. MAY ALSO CAUSE ULCERATION.
- SKIN CONTACT : SHORT, SINGLE EXPOSURE MAY CAUSE IRRITATION.

***FIRST AID MEASURES***

- EYE CONTACT : IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. PROMPT MEDICAL ATTENTION IS ESSENTIAL.
- INHALATION : REMOVE TO FRESH AREA. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. CALL A PHYSICIAN.
- INGESTION : DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER AND SEEK MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
- SKIN CONTACT : WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE REUSE. IF IRRITATION OCCURS AND PERSISTS SEEK MEDICAL ATTENTION.

**SECTION VI****REACTIVITY DATA**

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH MOST METALS, STRONG ALKALIES OR OXIDIZERS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: DIRECT FLAME, CONTACT WITH METALS.

HAZARDOUS DECOMPOSITION: NONE

## **SECTION VII**

## **SPILL OR LEAK PROCEDURES**

CLEAN-UP PROCEDURES: ONLY TRAINED AND PROPERLY PROTECTED PERSONNEL SHOULD BE INVOLVED IN SPILLED CLEAN-UP OPERATIONS. MOP UP AND PLACE MATERIAL IN SEALABLE CONTAINERS FOR DISPOSAL. USE LIMESTONE, LIME OR SODA ASH TO NEUTRALIZE THE RESIDUES. FLUSH CONTAMINATED AREAS WITH WATER.

RECOMMENDED WASTE DISPOSAL METHOD: THE MATERIALS RESULTED FROM THE CLEAN-UP OPERATIONS MAY BE HAZARDOUS; THEREFORE, ARE SUBJECTED TO SPECIFIC REGULATIONS. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. ENSURE THAT ALL APPLICABLE AGENCIES RECEIVE PROPER NOTIFICATION OF SPILL AND DISPOSAL METHODS.

## **SECTION VIII**

## **SPECIAL PROTECTION DATA**

RESPIRATORY PROTECTION	:	NIOSH-APPROVED RESPIRATOR EQUIPPED WITH CARTRIDGE FOR ORGANIC/ACID VAPORS.
EYE PROTECTION	:	CHEMICAL GOGGLES.
PROTECTIVE CLOTHING	:	RUBBER GLOVES, APRON. FULL-LENGTH CLOTHING AND SAFETY SHOES.
VENTILATION	:	LOCAL MECHANICAL EXHAUST VENTILATION
OTHER PROTECTIVE MEASURES:	:	EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE.

## **SECTION IX**

## **SPECIAL PRECAUTION**

HYGIENIC PRACTICES IN HANDLING STORING: WASH THOROUGHLY AFTER HANDLING.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL, DRY, VENTILATED AREAS

DISPOSAL OF EMPTY CONTAINER: EMPTY CONTAINERS SHOULD BE TRIPLE RINSED WITH WATER AND DISPOSED OF PURSUANT TO LOCAL, STATE, AND FEDERAL REQUIREMENTS.

## **SECTION X**

## **USER'S RESPONSIBILITY**

THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH THE USER. THE USER SHOULD CONSIDER THE HEALTH HAZARD AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

**THE INFORMATION CONTAINED HEREIN, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, IS ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.**