

# MATERIAL SAFETY DATA SHEET

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No Blank Spaces Permitted By Law

**SECTION I****PRODUCT INFORMATION**

Trade Name(s) Appearing on Labels:

Universal Lemongrass Leaf and Powder

Chemical Names:

Cymboprgon citratus

Manufacturer:

Marianna Industries, Inc.

11222 I St

Omaha NE 68137

Distributor/Importers:

Universal Companies, Inc.

18260 Oak Park Dr.

Abingdon, VA 24210

Emergency Phone:

Infotrac 800-457-4280

Business Phone:

800-433-5303

Preparer:

Marianna Industries, Inc.

**SECTION II****POTENTIALLY HAZARDOUS INGREDIENTS**

Chemical Identity	%	CAS Numbers	Exposure Limits In Air		Other
			OSHA (PEL)	ACGIH (TLV)	
Lemongrass Leaf and Powder	100	N/D	N/D	N/D	N/D

**SECTION III****REACTIVITY AND STORAGE**

Proper Storage Conditions:

Store in a cool dry place in a sealed container

Conditions to Avoid:

Keep product away from heat and open flame

Incompatibility (materials to avoid):

Avoid Strong Oxidizing Agents

Harmful By-products:

Generates thick acrid smoke

Stability:      Stable  Unstable \_\_\_\_\_      Hazardous Polymerization:      May Occur \_\_\_\_\_ Will Not Occur

**HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS (HMIS)**

HMIS Rating Scales:      0 = Minimal      1 = Slight      2 = Moderate      3 = Serious      4 = Severe

This Product's Rating:      Health:   0        Flammability:   0        Reactivity:   0    
(With Other Chemicals)

**SECTION IV****HEALTH HAZARDS**

Route(s) of Entry Into the Body:                      Inhalation:                                **X**                                Skin:                                **X**                                Ingestion:                                **X**          

Ingredient(s) Listed as Cancer Causing Agents:                      NTP:                                **NO**                                IARC Monographs:                                **NO**                                OSHA Registered:                                **NO**          

Health Hazards (Resulting from misuse or overexposure):

Short Term Effects:

**EYE CONTACT:** May be irritating to eyes.  
**INHALATION:** May cause respiratory irritation  
**INGESTION:** Unknown  
**SKIN:** Unknown

Long Term Effects:

None.

Signs and Symptoms of Over-Exposure:

None.

Medical Conditions Generally Aggravated by Exposure:

NKn.

**Emergency and First Aid Treatment**

Eye Contact:

In the event of contact with eyes, irrigate with water for at least 15 minutes; obtain medical advice immediately.

Skin Contact:

Wash affected areas with water, if irritation persists, obtain medical advice.

Inhalation:

Remove from the exposure to fresh air. Contact a physician if necessary.

Ingestion:

Do not induce vomiting. Obtain medical advice immediately.

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Target Organ(s) Effected:

NKn.

**SECTION V CONTROL MEASURES**

Specified Respiratory Protection:

Appropriate respiratory gear is recommended.

Ventilation Required: Local Exhaust:  X  Mechanical: \_\_\_\_\_ Special: \_\_\_\_\_ (Specify)

Protective Gloves:

Where contact is likely, wear protective gloves or clothing.

Eye Protection:

Safety glasses recommended

Work/Hygienic Practices:

Good manufacturing practices.

Other Special Precautions or Protective Equipment:

Eye wash station in work area.

**SECTION VI PRECAUTIONS FOR SAFE HANDLING AND USE**

Precautions to Be Taken in Handling and Storage:

Keep product away from heat and open flame. Keep container closed when not in use.

Other Precautions for Safe Use:

None.

Procedures to Be Followed in the Event of a Spill:

Absorb spill with inert material and then place in suitable containers.

Waste Disposal Method:

Place material and absorbent into sealed containers and observe all Federal, State and local regulations regarding waste disposal.

**SECTION VII PHYSICAL CHARACTERISTICS**

Water Solubility: <b>Unknown</b>	Specific Gravity (H2O = 1): <b>ND</b>	Boiling Point: <b>ND</b>
Appearance: <b>Free Flowing Powder</b>	Vapor Pressure (mm Hg): <b>ND</b>	Melting Point: <b>ND</b>
Physical Form: <b>Solid</b>	Vapor Density (air = 1): <b>ND</b>	Odor: <b>Typical of Lemongrass Leaf Powder</b>
Percent Volatile by Weight: <b>N/A</b>	Evaporation Rate (IPA =1): <b>ND</b>	

**SECTION VIII FIRE AND EXPLOSION DATA**

Flash Point:  ND  °C  ND  °F Method Used:  ND

Flammable Limits in Air, % Volume LeL: <u> N/A </u> UeL: <u> N/A </u>	<u> X </u> Water Spray	<u> </u> Alcohol Foam
	<u> </u> Dry Chemical	<u> X </u> Carbon Dioxide
	<u> </u> Other(specify)	

Special Fire Fighting Procedures:

Use standard procedures and preferred extinguishing media above.

Hazardous Decomposition Products:

Thick Acrid Smoke.

Unusual Fire and/or Explosion Hazards:

None. Dust, in general, can be explosive in high concentrations. Do not allow dust to accumulate.

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Product Must Be Used With Adequate Ventilation and in Accordance With Manufacturers Instructions.

Abbreviations used:

NE = not established  
NKn = not known  
N/A = not applicable  
N/D = no data

IPA = Isopropyl Alcohol (Rubbing Alcohol)  
mm HG = millimeters of Mercury  
PEL = Permissible Exposure Limit  
TLV = Threshold Limit Value

CAS = Chemical Abstract Number  
NTP = National Toxicology Program  
IRAC = International Agency for Research on  
Cancer  
OSHA = Occupational Safety & Health Admin.  
CHEMTREC = Chemical Transportation  
Emergency Center

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Other Information or Special Instructions:

None.