1050 Cypress Creek Road Oakdale, Louisiana 71463

Precautionary statements:

SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION

Natural Advantage, LLC Address: Company

Telephone 318-215-1456 Fax: 318-335-1579

gamma-Undecalactone, Natural 5-Heptyldihydro-2(3H)-furanone Product Name: Chemical Name:

Product Number: NA3091 **EMERGENCY 24 HOUR** 1-800-424-9300 Contract # 219030 CONTACT: ChemTrec

II. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

Chronic aquatic toxicity Category C3

NFPA Hazard Rating: Health: 1 Fire: 1 Reactivity: 0

Labeling according to Regulation Pictogram: Signal word: Warning

(EC) No 1272/2008 [CLP]: Hazard statement: P273 Avoid release to the environment P501 Dispose of contents/container to an approved waste

H412 Harmful to aquatic life with long lasting effects disposal plant.

III. COMPOSITION/INFORMATION ON INGREDIENTS

gamma-Undecalactone, Natural Peach Lactone; Peach aldehyde 5-Heptyldihydro-2(3H)-furanone 104-67-6 Product Name: Chemical Name:

CAS#:: Synonyms: 203-225-4 Formula: C₁₁H₂₀O₂ EINECS#:: Molecular Wt.: 184.28 g/mol

IV. FIRST AID MEASURES

Remove from the exposure to fresh air. Contact a physician as necessary. If breathing is irregular or has stopped, start resuscitation and Inhalation administer oxygen if available. Eve Contact Flush immediately with clean water for at least 15 minutes. Contact a physician if irritation persists.

Skin Contact Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water. If irritation persists, contact a physician

Ingestion Do NOT induce vomiting. Give water to dilute. Contact a physician immediately

V. FIRE-FIGHTING MEASURES

Flashpoint (Method Used): >110°C (>230°F) (CC) Lower Flammable Limit (% by Volume): Information Not Applicable

Upper Flammable Limit (% by Volume): Information Not Applicable Water spray, Alcohol-resistant foam, dry chemical or carbon dioxide

Extinguishing Media:
Special Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn when fighting fires

involving chemicals. Unusual Fire and Explosion Hazards: None

NFPA Hazard Rating: Health: 1 Fire: 1 Reactivity: 0

VI. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is Eliminate all ignition sources. Ventilate area. Contain spill and recover free product. Report spill to appropriate authorities if released or spilled. Waste Disposal Method Place material into sealed containers and dispose of in accordance with current applicable laws and regulations.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. Good Precautions to be taken in handling and storing.

manufacturing practices dictate that an eyewash fountain and/or safety shower should be available in the work area.

Other Precautions:

VIII. CONTROL MEASURES

Occupational Exposure Limits Does not contain materials with occupational exposure limits.

Respiratory Protection: None generally required. If desired use NIOSH approved respirator. Ventilation: Local exhaust meeting ACGIH criteria as needed.

Protective Gloves: Use chemical resistant gloves

Protective Eyewear: Use splash goggles or face shield when eye contact might occur.

Other Protective Clothing or Equipment: None required.

IX. PHYSICAL AND CHEMICAL PROPERTIES

297°C (566°F) @ 760 mm Hg Specific Gravity (H₂0 = 1): 0.9234 - 0.9634 **Boiling Point:** Flash Point: >110°C (>230°F)

Vapor Pressure (mm Hg): Information Not Available Melting Point: Information Not Available Vapor Density (AIR =1): Evaporation Rate: Information Not Available Insoluble Colorless to Slightly Yellow Information Not Available Solubility in Water: Color: Information Not Available Oxidizing properties:

Flammability (solid, gas): Information Not Available Fruity, Peach-like Odor: Partition coefficient: Upper/lower flammability or explosive limits: Information Not Available Information Not Available Autoignition temperature: Information Not Available Decomposition temperature: Information Not Available

Viscosity: Information Not Available Explosive properties: Information Not Available Clear Liquid Appearance

X. REACTIVITY DATA

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Stability:		Chemically	Chemically Stable under recommended storage conditions. Conditions to Avoid: Excess Heat.					
Incompatibility with other Substance (Materials to Avoid):		Strong Base	Strong Bases.					
Hazardous Decomposition or Byproducts:		Carbon Oxio	Carbon Oxides form under fire conditions.					
Hazardous Polymerization:	No	No						
I. TOXICOLOGICAL INFOR	MATION							
Acute toxicity: LD50 Oral - Rat - 18.5 g/kg			Skin corrosion		ritation:		May be harmful	
		erious irritation			Respiratory or skin sensitization:		May be harmful	
		formation Not Availa			Reproductive toxicity: Specific target organ toxicity (repeated exposure):		Information Not Available	
Aspiration hazard: May be		formation Not Availa ay be harmful			an toxicity (rep	Information Not Available		
Carcinogenicity:	ga	amma-Undecalactor	ne is not	listed as carcinoger	nic by IARC, A	CGIH, NTP, or OSHA	١.	
II. ECOLOGICAL INFORMA	TION							
Toxicity:	ıt - 569 mg/l - 96h E	9 mg/l - 96h EC50 - Water Flea –		Persistence and Degradation:		Information Not Available		
Bioaccumulative potential:	able	Mobility		Mobility in so	oil:	Information Not Available		
PBT and vPvB assessment:	able			Other adverse effects:		Information Not Available		
(III. DISPOSAL CONSIDERA	TIONS				i			
Product:		ederal, state, and lo	cal envir	onmental regulation	s in disposing	this material.		
Contaminated packaging:	Dispose of a	s unused product.						
IV. TRANSPORTATION INF	ORMATION							
DOT (US) UN Number: Not Regulated		ed	Class: Information Not Applicable		Packing Group: Information Not Applicable			
Proper Shipping Name:	Information Not Applicable		Marine pollutant: No		Poison Inhalation Haz			
IMDG	UN Number: Not Regulate		Class: Information Not App		plicable Packing Group: Infor		mation Not Applicable	
Proper Shipping Name:	Information Not Applicabl	е	Marine	pollutant: No	i			
IATA	UN Number: Not Regulate	od	Class	Information Not Apr	oliooblo	Packing Group: Info	rmation Not Applicable	
Proper Shipping Name:	Information Not Applicable		Class: Information Not Applica		plicable	cable Packing Group: Information Not Applicable		
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V. REGULATORY INFORMATION OSHA Hazards								
US Federal	Irritant							
US Federal	TSCA: CAS# 104-67-6 is listed on the TSCA Inventory California Prop. 65: This product does not contain any chemicals known to cause cancer, birth defects, or any other reproductive ha						any other reproductive harm	
SARA 311/312	Acute Health Hazard							
Regulation	Complies with EC 1272/2008.							
VI. OTHER INFORMATION	·							
MSDS Creation Date:	11/07/2012							
MSDS Revision #:	3							
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Revision Date:	04/26/2019							
							used only as a guide. The	