



Draditat Idantifias

# SAFETY DATA SHEET

Global Harmonized System

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier				
Oleic Fatty Acid, Vegetable Grade – TRV700				
Product Use:  This product is commonly used in the production of soaps, emulsifiers, lubricants, carriers, and soap surfactants.				
Manufacturer/Supplier's Name:	Customer Contact Phone:	Email:		
TWIN RIVER TECHNOLOGIES	888-929-8780	Orders@trtlp.com		
Mailing Address: 780 Washington Street, Quincy, MA 02169	Customer Website: www.twinrivertechnologies.com			

**Emergency Telephone Number:** 

Please call TRT's Emergency Response Service Company, VelocityEHS: Reference TRT's Contract # MIS9075839

US, Canada, Puerto Rico, & the U.S. Virgin Islands Emergency #:1-800-255-3924

General International Emergency #s:1-800-255-3924 or 1-813-248-0585

Australia: 1-300-954-583 Brazil: 0-800-591-6042 Mexico: 800-099-0731

India: 000-800-100-4086 China: 400-120-0751

# SECTION 2 — HAZARDS IDENTIFICATION

# GHS – not a controlled product under Global Harmonized Systems

European Hazard Classification: This substance is not classified as dangerous according to Directive 67/548/EEC.

Potential Health Effects:

Eye - Accidental exposure to the eyes will cause only a mild but transient irritation.

Skin - Mild, primary skin irritation with prolonged or repeated contact.

Heated product may cause thermal burns if contacted.

Inhalation - Not applicable at ambient temperature. May elicit transient pulmonary irritation if inhaled.

Ingestion - May cause irritation of gastrointestinal tract.

**If product is heated,** vaporization can occur. Eye, skin, and upper respiratory irritation may occur.

Environmental Hazards: None identified.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation (mixture): Substance

Name CAS No. Wt/Wt % EC No. EC Symbols EC R-phrases

Date:12/23

Oleic Acid 112-80-1 70 - 1002040071 Not applicable Not applicable

Occupational exposure limits, if applicable, are listed in Section 8.

LC/LD50 information is listed in Section 11.

### SECTION 4 — FIRST AID MEASURES

Wash skin with soap and water upon contact. Remove contaminated clothing. If irritation develops, Skin Contact:

get medical attention. Wash clothing before reuse.

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eye Contact:

Get medical attention.

Avoid breathing dust. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If Inhalation

breathing is difficult, give oxygen. Get medical attention immediately.

If swallowed, do not induce vomiting. Get medical attention. Never give anything by mouth to an Ingestion

unconscious person.

### **SECTION 5 - FIRE FIGHTING MEASURES**

• Extinguishing media: SMALL FIRES: Use CO2 or dry chemical.

LARGE FIRES: Use foam.

• Unsuitable extinguishing media: Do not use water as an extinguishing media.

• Flash Point and method: ~356° F (>180° C) ASTM D 92

• Explosive limits in air:

Upper: Not available Lower: Not available

• Auto-ignition temperature: Not available

• Sensitivity to mechanical impact/static discharge: Not available

• Special Protective Equipment: Wear self-contained breathing apparatus and full protective clothing. • Other Fire Fighting Considerations: Cool containers with flooding quantities of water until well after fire is out.

Potential combustible dust if flaked or powdered. Dust generated from

flaked product will be combustible at sufficient concentration.

Does not decompose up to 400° F (204° C). Thermal decomposition or burning • Exposure hazards:

may produce carbon monoxide and/or carbon dioxide.

# SECTION 6 - ACCIDENTAL RELEASE MEASURES

• Personal Precautions: An appropriate NIOSH/MSHA approved respirator should be used if a mist, vapor or dust is

generated. Wear suitable gloves and eye/face protection. Do not touch damaged containers

or spilled material unless wearing appropriate protective clothing.

Minimize contamination of drains, surface and ground waters. • Environmental Precautions:

• Procedures for Spill/Leak Clean-up: Sweep or shovel solids. For liquid spills, neutralization is not required.

> Contain spill. Absorb or cover with dry earth, sand or other noncombustible material and transfer to containers for disposal. Dispose as any grease or oily

material in compliance with Federal, State, and/or Local requirements.

Refer to Section 8 for additional personal protection information.

Refer to Section 13 for disposal considerations.

### SECTION 7 - HANDLING AND STORAGE

Date:12/23

• Handling: Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and

clothing. Wash thoroughly after handling.

Since empty containers contain product residue, follow all hazard warnings and precautions even after

container is emptied. Keep away from sources of ignition.

• Storage: Keep away from possible contact with incompatible substances.

Store in acid resistant vessels such as stainless steel, aluminum, or steel coated with resin lining

such as Lithcote LC-19 or Kanigen. Do not store near sources of ignition.

• Specific use(s): Follow bulk handling and storage procedures as noted above.

Refer to Section 6 for clean-up of spillages. Refer to Section 13 for disposal considerations.

# SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

• General Precautions: Good industrial hygiene should be followed.

Avoid breathing (heated) vapors. Avoid eye and skin contact.

• Exposure Limit Values: Not established.

• Exposure Controls:

Engineering Controls: Ventilation: Local exhaust - preferred

Mechanical - may be necessary if working at elevated temperatures or in

enclosed areas.

Personal Protective Equipment:

Eye - Goggles or face shield with goggles, dependent upon potential exposure

Skin - Protective gloves: Rubber or plastic

Dependent upon degree of potential exposure, additional personal protective equipment

may be required, such as chemical boots and full protective clothing.

Inhalation - None required for ambient temperature, although an appropriate NIOSH/MSHA approved air-purifying respirator should be used if a mist, vapor or dust is generated. A

NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator.

WARNING: Air purifying respirators do not protect workers in oxygen-deficient

atmospheres.

Other Controls: Boots, eye wash fountain, safety shower, apron, protective clothing.

• Environmental Exposure Controls: Contact Twin Rivers Technologies Community information.

# SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Physical State @ 72° F (22° C): Liquid Appearance: Water white to yellowish

Odor: Musty, fatty

Odor Threshold: Not available

• Important health, safety and environmental information:

pH: 3 - 4

Boiling point/Boiling range: 464° F (240° C) @ 15 mm Hg Flash Point & Method: ~356° F (>180° C) ASTM D 92

Flammability (solid, gas): Not available Explosive properties: Not available Oxidizing properties: Not available

Date:12/23

Vapor pressure: @ 212° F (100° C) <0.75 mm Hg

Relative density: ~0.84 @ 75/25° C Freezing point: Not available

Solubility:

Water solubility: Negligible @ 72° F (22° C)

Fat solubility (solvent-oil to be specified): Not available

Partition coefficient: n-octanol/water: Not available

Viscosity: Not available Vapor density: Not available

Evaporation Rate (nBuOAc=1): Not available

Explosive Limits: Not available

Auto ignition temperature: Not available

Coefficient of water/oil distribution: Not available

# SECTION 10 - STABILITY AND REACTIVITY

• Stability: Stable under normal operational conditions.

• Conditions to Avoid: Not available

• Materials to Avoid: Strong oxidizing agents.

• Hazardous Decomposition Products: Does not decompose up to 400° F (204° C). Thermal decomposition or

burning may produce carbon monoxide and/or carbon dioxide.

• Hazardous Polymerization: Will not occur.

### SECTION 11 - TOXICOLOGICAL INFORMATION

Palmitic Acid	Stearic Acid

IRRITATION DATA:

Eye, rabbit Not irritating Not irritating Skin, rabbit Not irritating Not irritating \*\* 500 mg/24H MOD\*

Skin, human 75 mg/3D-I MLD 75 mg/3D-I MLD

ACUTE TOXICITY: Palmitic Acid Stearic Acid Myristic acid
Oral, rat LD50 >10 gm/kg >10 gm/kg >10 gm/kg

### **SECTION 12 - ECOLOGICAL INFORMATION**

Ecotoxicity:

Fishes Palmitic Acid Stearic Acid

Goldfish (lethal dose) 11 mg/l (sodium salt) 14 mg/l (sodium salt) Red killifish 96h LD50 150 mg/l (sodium salt) 125 mg/l (sodium salt)

#### **Aquatic Invertebrates**

Daphnia magna: Palmitic and stearic acids; not acutely toxic to Daphnia Magna at concentrations within its aqueous solubility (water hardness of 215 & 54 mg/L CACO<sub>3</sub>).

AlgaePalmitic AcidStearic AcidScenedesmus subspicatus EC50Not available> 1016 mg/lScenedesmus subspicatus NOECNot available> 1016 mg/l

**Biodegradation** 

Sodium stearate: 89% in 28 days "Sealed Vessel Test" (Modified Sturm Test)

# **SECTION 13 - DISPOSAL CONSIDERATIONS**

DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Do not dispose of via sinks, drains or into the immediate environment.

Date:12/23

Contaminated packaging: Observe local regulations.

### **SECTION 14 - TRANSPORT INFORMATION**

U.S. DOT: Not regulated for transport

Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA - DGR

### SECTION 15 - ADDITIONAL REGULATORY INFORMATION

#### **INVENTORY STATUS:**

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Octadecanoic acid TSCA, EINECS, DSL, AUSTRALIA, KOREA, ENCS, PHILIPPINES, CHINA

TRT1, TRT1655, TRT1618, TRT1855 WGK water endangering nwg, non-hazardous to waters class is based on the computation rule of VwVwS Annex 4 for mixtures.

#### EC LABELING AND CLASSIFICATION:

This product is not classified as dangerous according to Directive 67/548/EEC.

### Canada

### HAZARDOUS INGREDIENTS- WHMIS (Canadian Workplace Hazardous Materials Information System)

This product when tested as a whole is not a controlled substance within the meaning of the Hazardous Products Act. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

# **SECTION 16 - OTHER INFORMATION**

#### **EUROPE**

This product safety data sheet was prepared in compliance with 2001/58/EC.

References: RTECS ACCESSION NUMBER RT4550000 – Palmitic acid

\*RTECS ACCESSION NUMBER WI2800000 – Stearic acid RTECS ACCESSION NUMBER QH4375000 – Myristic acid

\*\*Acute toxicity and irritation studies on a series of fatty acids.

J. Am. Oil Chem. Soc., 56(1979), p. 760AK.

Verschueren. Handbook of environmental data on organic chemicals, 3rd ed. (1998).

The submission of the SDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Twin Rivers Technologies to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific product designated herein, and does not relate to use in combination with any other material of any other process. Twin Rivers Technologies assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the controlled product.

This Safety Data Sheet complies with OSHA/EPA/EU Standards and Requirements