



SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

| | |
|---|--|
| Identification | Coconut Fatty Acid, Fatty Acids C12-C18 |
| Trade Name | Magnol-COFA2 |
| | Aliphatic Carboxylic Acids |
| CAS # | Decanoic acid or lower 334-48-5 |
| | Dodecanoic acid 143-07-7 |
| | Tetradecanoic acid 544-63-8 |
| | Hexadecanoic acid 57-10-3 |
| | Octadecanoic acid 57-11-4 |
| | 9-Octadecenoic acid 112-80-1 |
| Product use | Not available |
| Recommended Restrictions | Not available |
| Synonym(s) | Not available |
| Chemical formula | Not available |
| Company information | Magnakron Corp. 300 Rike Drive Millstone Twp., NJ, 08535 732-928-5800 Info@magnakron.com Chemtrec: 1-800-424-9300 |
| 24 Hour Emergency response information | |
| Chemtrec number | CCN620540 |

Section 2: Hazards identification

| | |
|------------------------------|---|
| GHS classification | |
| Physical Hazards | Not available |
| Health hazards | May cause irritation to mucous membranes and upper respiratory tract with coughing and sore throat. |
| Environmental hazards | Not available |

Section 3: Composition/information on ingredients

| Components | CAS # | Percent |
|------------------------|----------|---------|
| Decanoic acid or lower | 334-48-5 | - |
| Dodecanoic acid | 143-07-7 | 45-60 |
| Tetradecanoic acid | 544-63-8 | 17-27 |
| Hexadecanoic acid | 57-10-3 | 0-15 |
| Octadecanoic acid | 57-11-4 | 7 max |
| 9-Octadecenoic acid | 112-80-1 | - |

Section 4: First aid measures

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| First aid procedures | |
| Inhalation | Not applicable at ambient temperature. If product is heated, vaporization can occur. Eye, skin and upper respiratory irritation can occur. |
| Skin | Mild, primary skin irritation with prolonged or repeated contact. Heated product may cause thermal burns if contacted |
| Eye | Accidental exposure to the eyes will cause only a mild but transient irritation |



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Ingestion

May cause sore throat, gastrointestinal irritation, and stomach pain. Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

Notes to physician

Not available

Section 5: Fire-fighter measures

Suitable extinguishing media

Small Fires: use CO₂ or dry chemical
Large Fires: Use foam. DO NOT use water.
Do not use water as an extinguishing media.

Specific hazards arising from the chemical

Potential combustible dust if flaked or powdered. Dust generated from flaked product will be combustible at sufficient concentration.

Protective equipment and precautions for firefighters

Wear positive-pressure self-contained breathing precautions for firefighters apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves).

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.

Environmental precautions

Minimize contamination of drains, surface and ground waters. Dike flow of spilled material using soil or sandbags to minimize contamination of drains, surface and ground waters.

Methods for containment Methods for cleaning up

Not available
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.
Occupational Spill: Scoop or scrape up and place in suitable clean, dry containers for reclamation or later disposal. Fatty acid can be readily converted to water-soluble soap by the addition of an alkali such as sodium carbonate. This dissolves the fatty acid in water allowing it to be cleaned up by hosing or flushing with water. Keep unnecessary people away.

Sections 7: Handling and storage

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.



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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.

Section 8: Exposure controls / personal protection

Recommended monitoring procedures

Ventilation: Local Exhaust- preferred/ Mechanical- May be necessary if working at elevated temperatures or in enclosed areas.

Personal protective equipment

Eye/face protection

Goggles or face shield with goggles, dependent upon potential exposure.

Skin protection

Dependent upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective clothing.

Respiratory protection

None required for ambient temperatures, 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.

Hand protection

Protective gloves: Rubber or plastic.

Section 9: Physical and chemical properties

Appearance

Off white to light brown

Physical state

Solid @ 22°C

Color

Off white to light brown

Odor

Musty, fatty

pH

3-4

Melting point/Freezing point

Not available

Boiling point

>500°F (260°C) @ 760 mm Hg (101.3kPa)

Flash point

>300°F (148.9°C) PMCC

Evaporation rate

Not available

Flammability limits in air, lower

Not available

% by volume

Flammability limits in are, upper

Not available

% by volume

Vapor pressure

Not available

Vapor density

Not available

Relative density

Not available

Solubility (H2O)

Negligible @ 72°F (22°C)

Octanol/H2O coeff

Not available

Auto-ignition temperature

Not available

Decomposition temperature

Not available

Viscosity

Not available

Specific Gravity

0.85-0.90 @ 49/25°C

Section 10: Stability and reactivity

Chemical stability

Stable under normal operational conditions

Possibility of hazardous reactions

Not Available

Conditions to avoid

Not Available



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Materials to avoid
Hazardous Decomposition
products

Strong Oxidizing Agents
Does not decompose up to 400°F (204°C). Thermal decomposition or burning may produce carbon monoxide and/ or carbon dioxide.

Section 11: Toxicological Information

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|----------------------------|--|
| Acute Oral Toxicity | Practically non-toxic. The acute oral LD50 for rates is greater than 22g/kg of body weight. |
| Skin Safety | Undiluted coconut fatty acids produced mild, primary irritation on normal skin a 24- hour occluded patch test with humans. |
| Eye Safety | Undiluted coconut fatty acid produced mild transient eye irritation with rabbits. |

Section 12: Ecological Information

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|-----------------------------------|--------------------|
| 96 hour LC50 Bluegills | 900mg/l |
| Microbiological Inhibition | None @ 10,000 mg/l |

Section 13: Disposal Considerations

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| Disposal instructions | 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. |
| Contaminated packaging | Observe local regulations. |

Section 14: Transport Information

| | |
|-------------------------------------|-------------------------------|
| DOT | Not a DOT controlled material |
| Basic shipping requirements: | |
| UN number | |
| Proper shipping name | |
| Hazard class | |
| Packing group | |
| Additional information: | |
| Special provisions | |
| Packing exceptions | |
| Packaging non bulk | |
| Packaging bulk | |
| ERG number | |
| Hazard ID | |

Section 15: Regulatory Information

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| Inventory Status | TSCA (US), AICS (Australia), IECSC (China), EINECS (EU), KECI (Korea), New Zealand (Composite) List of Single Component Substances to be considered for Transfer (April 2003). |
| Canada | HAZARDOUS INGREDIENTS: WHMIS (Canadian Workplace Hazardous Materials Information System) |
| US federal regulations | Not available |
| CERCLA (Superfund) reportable quantity | None |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | |
| Hazard categories | Not available |



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Section 302 extremely hazardous substances
Section 311 hazardous chemical

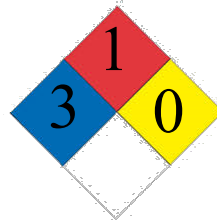
Not available

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Section 16: Other Information

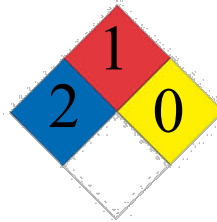
HMIS® ratings

Health: 3
Flammability: 1
Reactivity: 0



NFPA ratings

Health: 2
Flammability: 1
Reactivity: 0



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