



Safety Data Sheet

Issue Date: 05-01-2005

Revision Date: 09-20-2016

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Fatty Acid Scent

Other Means of Identification

SDS # USDA-0012

Synonyms

Recommended Use of the Chemical and Restrictions on Use

Recommended Use A mixture of the active ingredient fatty acids for use as an animal attractant.

Uses Advised Against Not for human consumption.

Details of the Supplier of the Safety Data Sheet

Supplier Address

United States Department of Agriculture
Animal & Plant Health Inspection Service
4700 River Road
Riverdale, MD 20737

Manufacturer Address

Pocatello Supply Depot
USDA APHIS Wildlife Services
238 E. Dillon Street
Pocatello, ID 83201

Emergency Telephone Number

Company Phone Number 1-208-236-6920
Emergency Telephone (24 hr) INFOTRAC: 1-352-323-3500 (International)
INFOTRAC: 1-800-535-5053 (North America)
Poison Control Center: 1-800-222-1222

2. HAZARDS IDENTIFICATION

Appearance Liquid

Physical State Liquid

Odor Malodorous

Classification

| | |
|-----------------------------------|-------------|
| Flammable liquids | Category 3 |
| Acute toxicity, Oral | Category 4 |
| Acute toxicity, Dermal | Category 3 |
| Acute toxicity, Inhalation | Category 3 |
| Skin corrosion/irritation | Category 1A |
| Serious eye damage/eye irritation | Category 1 |
| Reproductive toxicity | Category 2 |
| Acute aquatic toxicity | Category 3 |
| Chronic aquatic toxicity | Category 3 |

Hazards Not Otherwise Classified (HNOC)

Stench

Signal Word

Danger

Hazard Statements

Flammable liquid and vapour.
 Harmful if swallowed.
 Harmful if inhaled.
 Toxic in contact with skin.
 Causes severe skin burns and eye damage.
 Suspected of damaging fertility or the unborn child.
 Harmful to aquatic life with long lasting effects.

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 Keep container tightly closed.
 Take precautionary measures against static discharge.
 Wash face, hands and any exposed skin thoroughly after handling.
 Do not get in eyes, on skin, or on clothing.
 Do not eat, drink or smoke when using this product.
 Avoid release into the environment [if this is not the intended use].
 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
 IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER/doctor.
 Wash contaminated clothing before reuse.
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.
 Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | Synonym | CAS-No | EC-No | Index-No | Chemical Formula | Concentration |
|----------------------|------------------------|----------|-----------|--------------|--|---------------|
| Hexanoic acid | Caproic acid | 142-62-1 | 205-550-7 | | C ₆ H ₁₂ O ₂ | 30.25% |
| Butyric acid | Butanoic acid | 107-92-6 | 203-532-3 | 607-135-00-x | CH ₃ (CH ₂) ₂ COOH | 26.70% |
| Heptanoic acid | Enanthic acid | 111-14-8 | 203-838-7 | 607-196-00-2 | C ₇ H ₁₄ O ₂ | 12.70% |
| Octanoic acid | Caprylic acid | 124-07-2 | 204-677-5 | | C ₈ H ₁₆ O ₂ | 10.80% |
| Valeric acid | Pentanoic acid | 109-52-4 | 203-677-2 | 607-143-00-3 | C ₅ H ₁₀ O ₂ | 8.14% |
| Propionic Acid | Propanoic acid | 79-09-4 | 201-176-3 | 607-089-00-0 | C ₃ H ₆ O ₂ | 4.42% |
| 4-Methylvaleric acid | Isocaproic acid | 646-07-1 | 211-464-0 | | C ₆ H ₁₂ O ₂ | 2.12% |
| Isovaleric Acid | 3-Methylbutanoic acid | 503-74-2 | 207-975-3 | | C ₅ H ₁₀ O ₂ | 1.79% |
| Isobutyric Acid | 2-Methylpropionic acid | 79-31-2 | 201-195-7 | 607-063-00-9 | C ₄ H ₈ O ₂ | 1.60% |
| Acetic acid | Glacial acetic acid | 64-19-7 | 200-580-7 | 607-002-00-6 | C ₂ H ₃ O ₂ | 1.48% |

4. FIRST-AID MEASURES

First Aid Measures

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|-----------------------|---|
| General Advice | Consult a physician. When possible, have the product container or label with you when calling a poison control center, or doctor, or going for treatment. Move out of dangerous area. |
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Continue rinsing eyes during transport to hospital. Get medical advice/attention. |
| Skin Contact | Take off contaminated clothing and shoes immediately. Wash with plenty of soap and water. Take victim immediately to hospital. Wash contaminated clothing before reuse. |
| Inhalation | If breathed in, move person into fresh air. Get medical attention if necessary. If not breathing, give artificial respiration. |
| Ingestion | Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician. |

Most Important Symptoms and Effects

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| Symptoms | Symptoms of exposure may include burning sensation, coughing, shortness of breath, laryngitis, nausea, and vomiting. Inhalation may be fatal as a result of spasm, inflammation, and edema of the larynx, chemical pneumonitis, and pulmonary edema. |
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Indication of Any Immediate Medical Attention and Special Treatment Needed

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|---------------------------|--------------------|
| Notes to Physician | No data available. |
|---------------------------|--------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical powder. Alcohol-resistant foam. Water spray.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Hazardous Combustion Products Carbon monoxide (CO). Carbon dioxide (CO₂).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

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| Personal Precautions | Use personal protective equipment as required. See Section 8: Exposure Controls/Personal Protection. Keep unprotected persons away. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. |
| Environmental Precautions | Prevent from entering into soil, ditches, drains, sewers, waterways and/or groundwater. See Section 12: Ecological Information. See Section 13: Disposal Considerations. |

Methods and Material for Containment and Cleaning Up

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|--------------------------------|---|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Clean-Up | Soak up with inert absorbent material. Pick up and transfer to properly labeled, suitable, closed containers for disposal. Dispose of as hazardous waste. |

7. HANDLING AND STORAGE**Precautions for Safe Handling**

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|--------------------------------|--|
| Advice on Safe Handling | Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Avoid inhalation of vapour or mist. Use personal protection recommended in Section 8: Exposure Controls/Personal Protection. Use only as directed. While handling product keep out of reach of children and pets. Wash all implements used for handling or applying product with detergent and water. Do not use these implements for mixing, holding, or transferring food or feed. Keep away from sources of ignition – No smoking. Take measures to prevent the buildup of electrostatic charge. |
|--------------------------------|--|

Conditions for Safe Storage, Including Any Incompatibilities

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| Storage Conditions | Keep mixture in a cool, dry place away from everyone such as children, food, feed and domestic animals. Keep/store only in original container. Keep container tightly closed in a dry and well-ventilated place. |
| Incompatible Materials | Bases. Oxidizing agents. Reducing agents. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines****Components with Workplace Control Parameters**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------------|---|--|--|
| Propionic acid 79-09-4 | TWA: 10 ppm Remarks: Upper respiratory tract irritation Eye irritation Skin irritation | TWA: 10 ppm TWA: 30 mg/m ³ | TWA: 10 ppm TWA: 30 mg/m ³ ST: 15 ppm ST: 45 mg/m ³ |
| Acetic acid 64-19-7 | TWA: 10 ppm STEL: 15 ppm Remarks: Pulmonary function Upper respiratory tract irritation Eye irritation | TWA: 10 ppm TWA: 25 mg/m ³ | TWA: 10 ppm TWA: 25 mg/m ³ ST: 15 ppm ST: 37 mg/m ³ |

Appropriate Engineering Controls

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|-----------------------------|---|
| Engineering Controls | Apply technical measures to comply with the occupational exposure limits. Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. |
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Individual Protection Measures, Such as Personal Protective Equipment

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|---------------------------------|--|
| Eye/Face Protection | Goggles. Face-shield. |
| Skin and Body Protection | Handle with chemical-resistant latex or nitrile gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wear suitable protective clothing. Wash and dry hands. |

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. Where risk assessment shows air-purifying respirators are appropriate, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General Hygiene Considerations Wash hands thoroughly before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

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|-----------------------|--------|-----------------------|--------------------|
| Physical State | Liquid | Odor | Malodorous, Stench |
| Appearance | Liquid | Odor Threshold | Not determined |
| Color | | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|--|-------------------------|
| pH | No data available | |
| Melting Point/Freezing Point | -73 °C (-99.4 °F) | |
| Boiling Point/Boiling Range | 177 °C (350.6 °F) | |
| Flash Point | 81 °C (177.8 °F) TAG closed cup | |
| Evaporation Rate | No data available | |
| Flammability (Solid, Gas) | No data available | |
| Upper Flammability Limits | 11.8% (V) | |
| Lower Flammability Limit | 3.2% (V) | |
| Vapor Pressure | 0.8 mm Hg | |
| Vapor Density | 3.6 | |
| Specific Gravity | 0.94 | |
| Water Solubility | Moderate C1 – 10% by weight is soluble | |
| Solubility in Other Solvents | No data available | |
| Partition Coefficient | No data available | |
| Auto-ignition Temperature | No data available | |
| Decomposition Temperature | No data available | |
| Kinematic Viscosity | No data available | |
| Dynamic Viscosity | No data available | |
| Explosive Properties | No data available | |
| Oxidizing Properties | No data available | |
| Bulk Density | No data available | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Heat, flames and sparks. Keep out of reach of children. See Section 7: Handling and Storage.

Incompatible Materials

Oxidizing agents. Soluble carbonates and phosphates. Hydroxides. Metals. Peroxides. Permanganates (e.g., potassium permanganate, amines, alcohols, nitric acid).

Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

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|---------------------|----------------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | May be harmful if swallowed. |

Component Information

| Chemical Name | Oral LD50 | Inhalation LC50 | Dermal LD50 | Skin corrosion/irritation | Serious eye damage/eye irritation | Reproductive toxicity |
|----------------------------------|--------------------|--------------------------|-----------------------|--|---|---|
| Hexanoic acid 142-62-1 | No data available | No data available | No data available | Corrosive after 1-4 hrs (4-hr; rabbit) | Corrosive (10-min; mammal) | No data available |
| Butyric acid 107-92-6 | 1,632 mg/kg (rat) | No data available | 6,096 mg/kg (rabbit) | Causes burns (rabbit) | Risk of serious damage to eyes (rabbit) | No data available |
| Heptanoic acid 111-14-8 | 7,000 mg/kg (rat) | No data available | No data available | Causes burns (rabbit) | No data available | No data available |
| Octanoic acid 124-07-2 | >2,000 mg/kg (rat) | >0.1621 mg/l (4-hr; rat) | >5,000 mg/kg (rabbit) | Causes burns (4-hr; rabbit) | Irritating (rabbit) | Craniofacial, musculoskeletal system abnormalities (rat; oral) Suspected human reproductive toxicant |
| Valeric acid 109-52-4 | 600 mg/kg (mouse) | No data available | No data available | No data available | No data available | No data available |
| Propionic Acid 79-09-4 | 3,455 mg/kg (rat) | >20 mg/l (rat) | 3,235 mg/kg (rat) | Causes burns (rabbit) | Risk of serious damage to eyes (rabbit) | No data available |
| 4-Methylvaleric acid 646-07-1 | 2,050 mg/kg (rat) | No data available | 970 mg/kg (rabbit) | Causes irritation (rabbit) | Mild eye irritation (rabbit) | No data available |
| Isovaleric Acid 503-74-2 | >2,000 mg/kg (rat) | No data available | 3,560 mg/kg (rabbit) | Causes burns (24-hr; rabbit) | No data available | No data available |
| Isobutyric Acid 79-31-2 | No data available | No data available | 474 mg/kg (rabbit) | No data available | Corrosive (rabbit) | No data available |
| Acetic acid 64-19-7 | 3,310 mg/kg (rat) | 11.4 mg/l (4-hr; rat) | 1,112 mg/kg (rabbit) | Causes severe burns (rabbit) | Corrosive (rabbit) | No data available |

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see Section 4: First-Aid Measures for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, ACGIH, or NTP.

Numerical Measures of Toxicity

Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Component Information

| Chemical Name | Algae/Aquatic Plants | Fish LC ₅₀ | Crustacea EC ₅₀ | Persistence/Degradability |
|----------------------------------|---|--|--|--|
| Hexanoic acid 142-62-1 | No data available | 88 mg/l: 96-hr; <i>Pimephales promelas</i> (fathead minnow) | No data available | 84% (28 days); Readily biodegradable |
| Butyric acid 107-92-6 | No data available | No data available | 61.7 mg/l: 24-hr; <i>Daphnia magna</i> (water flea) | No data available |
| Heptanoic acid 111-14-8 | 61.2 mg/l: 72-hr; <i>Pseudokirchneriella subcapitata</i> (green algae) | 74.8 mg/l: 96-hr; <i>Oryzias latipes</i> | 72 mg/l: 48-hr; <i>Daphnia magna</i> (water flea) | 98.7% (11 days); Readily biodegradable |
| Octanoic acid 124-07-2 | 31 mg/l: 72-hr; <i>Pseudokirchneriella subcapitata</i> (green algae) | 22 mg/l: 96-hr; <i>Lepomis macrochirus</i> (bluegill sunfish) | 550 mg/l: 48-hr; <i>Daphnia magna</i> (water flea) | 51.6% (28 days); Not readily biodegradable |
| Valeric acid 109-52-4 | No data available | No data available | 45 mg/l: 48-hr; <i>Daphnia magna</i> (water flea) | No data available |
| Propionic Acid 79-09-4 | No data available | No data available | No data available | 93% (20 days); Readily biodegradable |
| 4-Methylvaleric acid 646-07-1 | No data available | No data available | No data available | No data available |
| Isovaleric Acid 503-74-2 | No data available | No data available | No data available | No data available |
| Isobutyric Acid 79-31-2 | 45.1 mg/l: 72-hr; <i>Desmodesmus subspicatus</i> (<i>Scenedesmus subspicatus</i>) | 146.6 mg/l: 96-hr; <i>Leuciscus idus</i> (Golden orfe) | 51.25 mg/l: 48-hr; <i>Daphnia magna</i> (water flea) | No data available |
| Acetic acid 64-19-7 | No data available | >1,000 mg/l: 96-hr; <i>Oncorhynchus mykiss</i> (rainbow trout) | >300.82 mg/l: 48-hr; <i>Daphnia magna</i> (water flea) | 99% (30 days); Readily biodegradable |

Bioaccumulation

No data available for any component.

Mobility

No data available for any component.

Other Adverse Effects

No data available for any component.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable national, regional and local laws and regulations.

Contaminated Packaging

Do not reuse container. Disposal should be in accordance with applicable national, regional and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN number: 3265
 Class: 8
 Packing group: II
 Proper shipping name: Corrosive liquid, acidic, organic, n.o.s.
 Reportable Quantity (RQ):
 Poison Inhalation Hazard: No

IATA

UN number: 3265
 Class: 8
 Packing group: II
 Proper shipping name: Corrosive liquid, acidic, organic, n.o.s.

IMDG

UN number: 3265
 Class: 8
 Packing group: II
 Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
 EMS-No: F-A, S-B

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|-----------------------------------|
| 15. REGULATORY INFORMATION |
|-----------------------------------|

US Federal Regulations**SARA 302**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|------------|---------------|--------------|
| Hexanoic acid 142-62-1 | X | X | X |
| Butyric acid 107-92-6 | X | X | X |
| Heptanoic acid 111-14-8 | X | | X |
| Octanoic acid 124-07-2 | X | | X |
| Valeric acid 109-52-4 | X | X | X |
| Propionic Acid 79-09-4 | X | X | X |
| 4-Methylvaleric acid 646-07-1 | X | | X |
| Isovaleric Acid 503-74-2 | X | X | X |
| Isobutyric Acid 79-31-2 | X | X | X |
| Acetic acid 64-19-7 | X | X | X |

16. OTHER INFORMATION

| | | | | |
|--------------------|----------------------------|--------------------------|------------------------------|--|
| <u>NFPA</u> | Health Hazards 3 | Flammability 2 | Instability 0 | Special Hazards Not determined |
| <u>HMIS</u> | Health Hazards 3 | Flammability 2 | Physical Hazards 0 | Personal Protection X |

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet