SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: STEARIC ACID F-1000, F-1500

Recommended Use: Plastic Additive

Restrictions on Use: None known

Manufactured for and supplied by:

Supplier:	Harwick Standard Distribution Corporation
Supplier Address:	60 S. Seiberling Street, Akron, OH 44305
Contact:	Health, Safety & Environment
Telephone:	330-798-9300
Website:	www.harwickstandard.com

SECTION 2 – HAZARD(S) IDENTIFICATION

Physical hazards:	Not classified
Health hazards:	Not classified
Environmental hazards:	Not classified
OSHA defined hazards:	Combustible dust

GHS Label Elements:

Hazard symbol: None

Signal word: Warning

Hazard Statements: May form combustible dust concentrations in air.

Precautionary Statements:

Prevention:	Keep away from heat/sparks/open flames/hot surfaces.-No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Prevent dust accumulation to minimize explosion hazard. Observe good industrial hygiene practices.
Response:	Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.
Storage:	Store away from incompatible materials.
Disposal:	Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known

Supplemental information: None

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Components Chemical Identity	CAS Number	Weight %
Fatty acids, tallow, hydrogenated	61790-38-3	90-100

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove person to fresh air. Contact a physician if symptoms develop or persist.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

Skin contact: Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact: Do not rub eyes. Rinse with water. Get medical attention if irritation develops or persists.

Most important symptoms/effects, acute and delayed: Dusts may irritate the respiratory tract, skin and eyes.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2. Apply extinguishing media carefully to avoid creating airborne dust.

Unsuitable extinguishing method: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from chemical: Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

Special firefighting equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighting equipment/instructions: In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: May form combustible dust concentrations in air.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding exposure limits. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of SDS.

Methods and materials for containment and cleaning up:
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk.

For large spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.

For small spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.

Never return spills to original containers for reuse.

Environmental precautions:
Avoid discharge into drains, water courses on onto the ground.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Explosion-proof general and local exhaust ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Keep containers tightly closed in a dry, cool and wee-ventilated area. Store away from incompatible materials (See Section 10 of SDS).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No exposure limits noted for ingredients.

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin protection:	Wear suitable protective clothing.
Hand protection:	Wear appropriate chemical resistant gloves.
Respiratory protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
Thermal hazards:	Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Solid White Powder
Odor:	Slight
Odor threshold:	Not available
pH:	Not available
Melting point/Freezing point:	158-161.6°F (70-72°C)
Initial Boiling Point/Range:	Not available
Flash Point:	384.8°F (196°C) Cleveland Open Cup
Evaporation Rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower Flammable/ Explosive limits:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	Not available
Solubility (water):	Not available
Partition Coefficient:	Not available

(n-octanol/water)
Auto-ignition Temperature: 743°F (395°C)
Decomposition Temperature: Not available
Viscosity: Not available
Explosive Properties: Not explosive
Oxidizing Properties: Not oxidizing

SECTION 10 - STABILITY & REACTIVITY

Reactivity: Product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimize dust generation and accumulation.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: No hazardous decomposition products are known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
Inhalation: Dust may irritate respiratory system.
Skin Contact: Dust or powder may irritate the skin.
Eye Contact: Dust may irritate the eyes.
Ingestion: Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics:
Dusts may irritate the respiratory tract, skin and eyes.

Acute Toxicity: Not available

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization:
Respiratory sensitization: Not a respiratory sensitizer.
Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity-single exposure: Not classified

Specific target organ toxicity-repeated exposure: Not classified

Aspiration hazard: Not an aspiration hazard.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Waste from residues/unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated packaging: Since empties containers may retain product residue, follow label warnings even after container is empties. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - TRANSPORTATION INFORMATION

Special shipping information: Not DOT regulated.

SECTION 15 - REGULATORY INFORMATION

U.S.:

OSHA Status: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

United States TSCA Inventory: Chemical components comply with the EPA TSCA Inventory.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories Immediate hazard: No
Delayed hazard: No
Fire hazard: Yes
Pressure hazard: No
Reactivity hazard: No

SARA 313: This product does not contain a chemical listed at or above de minimis concentrations subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

CA Prop. 65: This product does not contain any ingredient known to the State of California to cause cancer or reproductive toxicity as listed under the State Drinking Water and Toxic Enforcement Act of 1986.

SECTION 16 - OTHER INFORMATION

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