SILVER FERN CHEMICAL, INC.

Safety Data Sheet
Acidulated Vegetable Oil Soapstock

Transport Symbol(s)	WHMIS	NFPA	Personal Protective Equipment
Not controlled	Not controlled		

Original Preparation Date: 20-Mar-2015 **Revision Date:** *20-Mar-2015* **Revision Number:** *1*

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name:
Acidulated Vegetable Oil Soapstock
Synonyms:
AAFCO: 33.7 - Vegetable Oil Refinery Lipid (IFN: 4-05-078)

Distributor:
Silver Fern Chemical, Inc.
2226 Queen Anne Avenue North
Seattle, WA 98109 USA
Customer Service: +1-866-282-3384 **Email:** info@silverfernchemical.com
Emergency response telephone number:
Infotrac +1-800-535-5053; Outside USA & Canada +1-352-323-3500

Use of the Substance / Preparation:
Animal feed ingredient. Industrial use.

2. HAZARDS IDENTIFICATION

Emergency Overview

Spontaneous combustion (fire) may result from oil soaked materials such as rags, steel wool, paper, and clothing. Place soaked materials in a sealed, metal container to prevent this. The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance	Physical State	Odor
Green - Black viscous liquid	Liquid	Characteristic / Oily

This product is NOT classified as hazardous according to 29 CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (OSHA / GHS); SOR/88-66, the Canadian Controlled Products Regulations (CPR); and/or NOM-002-SCT-2003 (Mexico).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description

Soaps, stocks, vegetable-oil, acidulated (A complex combination of fatty acids, neutral vegetable-oil, proteins, and other minor components produced by boiling vegetable-oil soapstock with mineral acid and, optionally, further separating the oil phase acidulated soapstock from the aqueous phase)

Non-hazardous Components

Chemical Name	CAS-No	Weight %	North American Hazard Indicator
Soaps, stocks, vegetable-oil, acidulated	68952-95-4	100	None known.

4. FIRST AID MEASURES

Description of first aid measures
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids.
Skin Contact Wash off with warm water and soap.
Inhalation Move to fresh air.
Ingestion Not for human consumption. Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.
General Advice No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.

Most important symptoms and affects, both acute and delayed
Eyes Contact with eyes may cause mild irritation.
Skin Health injuries are not known or expected under normal use.
Inhalation Avoid breathing vapors or mists. May cause irritation of respiratory tract. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist".
Ingestion Not for human consumption. Dependent on amounts, may be harmful if swallowed.

Indication of any immediate medical attention and special treatment needed
Notes to Physician Special forms of treatment and immediate medical attention are not specified. Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties
Material may pose fire hazard because it is dispersed (or spread) by water.

Extinguishing media
Suitable Extinguishing Media Dry chemical powder. Dry chemical. Carbon dioxide (CO_2). Foam. Sand. Fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture

Hazardous Combustion Products	Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO_2), Carbon monoxide (CO), Acrolein.
Specific Hazards Arising from the Chemical	Risk of ignition. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray.
Sensitivity to mechanical impact	No information available.
Sensitivity to static discharge	No information available.

Advice for fire-fighters
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.

NFPA

Health 0
Flammability 1
Stability and Reactivity 0
Physical hazard None known

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Remove all sources of ignition. Avoid high pressure washing or generation of aerosols. Material can create slippery conditions.
Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
Methods and Materials for Containment and Cleaning Up
Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.
Other Information
Oil soaked materials may spontaneously combust

7. HANDLING AND STORAGE

Handling
Ensure adequate ventilation. Do not use pressure to empty drums. Keep away from open flames, hot surfaces and sources of ignition. Product on surfaces can cause slippery conditions.
Storage
Store in well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits
This product is not known to contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. However, as an airborne mist containing vegetable oil, exposure limits pertaining to "vegetable oil mist" have been provided below.

Chemical Name	ACGIH TLV	OSHA PEL	Mexico	NIOSH
vegetable oil mist	TVL: 10 mg/m(3)	TWA: 5 mg/m³ mist, respirable fraction TWA: 15 mg/m³ mist, total	TWA: 10 mg/m³ (LMPE-PPT) except irritant oils mist	TWA: 10 mg/m³ total mist TWA: 5 mg/m³ respirable mist

Appropriate Engineering Controls Ensure adequate ventilation, especially in confined areas. It is not expected that exposure limits will be reached.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

Personal Protective Equipment

Eye/face Protection. If exposed to airborne mist, or if splashing is possible, appropriate safety glasses with side-shields or safety goggles are recommended.

Skin and Body Protection Oil resistant gloves are recommended. Appropriate body protection should be selected based on activity and possible exposure. Also take into consideration the specific local conditions under which the product is used.

Respiratory Protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green - Black viscous liquid
Physical State	Liquid
Odor	Characteristic / Oily
Odor Threshold	No information available
pH	4 - 6
Flash Point	204-260 °C / 400-500 °F (closed cup)
Autoignition Temperature	No information available
Boiling point	> 149 °C / 300 °F
Melting/Freezing Point	29-35 °C / 85-95 °F
Decomposition temperature	No information available
Oxidizing Properties	No information available
Water Solubility	Insoluble
Evaporation Rate	< 1.0 [Butyl acetate = 1.0]
Vapor Pressure	No information available
Vapor Density	> 1.0 (Air = 1.0)
Specific Gravity / Relative Density	0.90 (H_2O=1)
Partition Coefficient (n-octanol/water)	No information available

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.
Possibility of Hazardous Reactions Hazardous polymerization does not occur.
Conditions to Avoid Keep away from open flames, hot surfaces and sources of ignition. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids.
Incompatible Materials No materials to be especially mentioned.
Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO_2), Carbon monoxide (CO), Acrolein.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	Based on available data, no evidence of acute toxicity.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, no known aspiration hazard.

Potential health effects

Eyes	Contact with eyes may cause mild irritation.
Skin	Health injuries are not known or expected under normal use.
Inhalation	Avoid breathing vapors or mists. May cause irritation of respiratory tract. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist".
Ingestion	Not for human consumption. Dependent on amounts, may be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Contains no substances known to be hazardous to the environment. Contains no substances known to be not degradable in waste water treatment plants.

Persistence/Degradability	Biodegradable.
Mobility	Dispersible in water.

13. DISPOSAL CONSIDERATIONS

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

Waste Disposal Methods	Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction.
Contaminated Packaging	Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal. Oil soaked materials may spontaneously combust. Store soaked materials in a sealed, metal container to prevent this.

14. TRANSPORT INFORMATION

Domestic transport regulations (USA)
DOT Not regulated

Domestic transport regulations (Canada)
TDG Not regulated

Domestic transport regulations (Mexico)
MEX Not regulated

International transport regulations
ICAO Not regulated
IATA Not regulated
IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

As animal feed, this product is exempted from the following inventories: U.S.A. (TSCA). When used as "feed" defined in the Canadian Feeds Act 1995 and the Feeds Regulations (SOR/83-592), this product is exempted from the following inventory: Canada (DSL).

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS ISHL	CHINA	PICCS	KECL	NZIoC
Soaps, stocks, vegetable-oil, acidulated	Yes	Yes	No	Yes 273-179-8	No	Yes	No	No	No	Yes KE-31336	Yes

USA

Federal Regulations

Ozone Depleting Substances:
No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

CERCLA/SARA 103-302
Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 103-302.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 63)
This product is not known to contain any HAPS.

State Regulations

California Proposition 65
This product is not known to contain chemicals listed under Proposition 65.

State Right-to-Know
No known components subject to "Right-To-Know" legislation in the following States. Massachusetts. Minnesota. New Jersey. Pennsylvania.

Canada

WHMIS Product Classification
Not a WHMIS controlled product.

WHMIS Ingredient Disclosure List IDL
No known component is listed on the WHMIS ingredients disclosure list.

(NPRI) Canadian National Pollutant Release Inventory
No known component is listed on NPRI.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Mexico

Mexico - Grade Slight risk, Grade 1

16. OTHER INFORMATION

Original Preparation Date: 20-Mar-2015
Revision Date: 20-Mar-2015
Revision Number: 1

Reason for revision: New SDS format. This version replaces all previous versions.

Abbreviations and acronyms
ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values
AICS - Australian Inventory of Chemical Substances (Australia)
CAS - Chemical Abstract Service
CHINA - Chinese Inventory of Existing Chemical Substances (China)
DOT - U.S. Department of Transportation
DSL - Domestic Substance List (Canada)
EINECS - European Inventory of Existing Commercial Chemical Substances (EU)
ELINCS - European List of Notified Chemical Substances (EU)
ENCS - Existing and New Chemical Substances (Japan) / ISHL - Industrial Health and Safety Law (Japan)
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
IATA - International Air Transport Association Dangerous Goods Regulations
ICL - In Commerce List (Canada)
IMDG - International Maritime Dangerous Goods Code
IMO - International Maritime Organization
KECL - Korean Existing and Evaluated Chemical Substances (Korea)
LC50 - Lethal concentration that produces fatalities in 50% of a given test population
LD50 - Median lethal dose of a given test population
MEX - NOM-002-SCT/2003 List of Hazardous Substances and Materials Most Commonly Transported
MEXICO - Mexico Occupational Exposure Limits
NDSL - Non Domestic Substances List (Canada)
NFPA - National Fire Protection Association
NIOSH - National Institute of Occupational Safety and Health
NZIoC - New Zealand Inventory of Chemicals (New Zealand)
OSHA - Occupational Safety & Health Administration
OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits
PICCS - Inventory of Chemicals and Chemical Substances (Philippines)
STOT - Specific Target Organ Toxicity
TDG - Transportation of Dangerous Goods (Transport Canada)
TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA)
TWA - Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8-hours)
WHMIS - Workplace Hazardous Materials Information System

DISCLAIMER OF RESPONSIBILITY
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