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*The Best People.
The Best Products.
The Best Service.*

MATERIAL SAFETY DATA SHEET NO. 419

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	First Choice® GAVICIDE-C®
EPA Registration Number	11656-95
Chemical Name	Petroleum hydrocarbon
Common Name, Synonyms	Spray oil 440 Spray Oil Emulsified petroleum distillate
Manufactured For	Western Farm Service, Inc.
Telephone	(559) 436-2800 8am-5pm PST M-F
For fire, spill and/or leak emergencies contact:	CHEMTREC (800) 424-9300 24 hours every day
For medical emergencies and health and safety inquiries contact:	National Poison Control Center 1-800-222-1222

2. COMPOSITION / INFORMATION ON INGREDIENTS

Nutrients derived from the following **INGREDIENTS**

<u>Chemical Name</u>	<u>CAS #</u>
Hydrotreated Distillate, Light Paraffin	64742-55-8
Solvent Dewaxed Distillate, Light Paraffin	64742-56-9

3. HAZARDS IDENTIFICATION

Emergency Overview	Clear bright amber liquid. Characteristic petroleum odor
Primary Routes of Entry	Skin, eyes, respiratory tract
Target Organs	Lungs
Potential Health Effects	
Eyes	May cause mild eye irritation, including stinging, watering and redness.
Skin	Contact may cause mild skin irritation. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin.
Inhalation	Low degree of toxicity by inhalation. Breathing high concentrations of mist may cause irritation to nose and throat.
Ingestion	Ingesting large amounts may irritate the digestive tract.

3. HAZARDS IDENTIFICATION (con't)

Symptoms of Overexposure

Acute	See notes to Physician below
Chronic	Repeated or prolonged contact may cause redness, burning, drying and cracking of the skin.
Note to Physician	Aspiration Hazard. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. Patients who aspirate these oils should be followed for the development of long-term sequelae. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

4. FIRST AID MEASURES

Eyes	If irritation or redness develops, move away from exposure into fresh air. Flush eyes gently with clean water. If symptoms persist, seek medical attention.
Skin	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If redness or rash develops and persists, seek medical attention. Wash or clean contaminated clothing and shoes before wearing again.
Inhalation	If respiratory symptoms develop, remove person to fresh air immediately. Begin artificial respiration or CPR (cardiopulmonary resuscitation) if required and seek medical attention as appropriate.
Ingestion	Aspiration hazard. This material can enter the lungs and cause severe lung damage. DO NOT induce vomiting or give person anything by mouth. If person is drowsy or unconscious, place on left side with head down. If possible, do not leave person unattended. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flammable Properties:	Flash Point 385°F (196°C) Autoignition Temperature: ≥500°F (≥260°C)
Unusual Fire & Explosion Hazards:	This material may burn, but will not ignite readily. Vapors are heavier than air and can accumulate in low areas.
Extinguishing Media:	Dry chemical, carbon dioxide, foam, or water spray.
Special Fire Fighting Procedures:	Wear appropriate protective equipment including respiratory protection or self-contained breathing apparatus as conditions warrant. Keep unauthorized personnel away. Stay upwind. Stop spill/release if it can be done without risk. Apply low pressure water spray to knock down and absorb fumes and vapors and cool affected containers. Control runoff waters. Ventilate closed spaces before entering. Always stay away from the ends of tanks.

6. ACCIDENTAL RELEASE MEASURES

Keep all sources of ignition away from spill/release. Dike spill area to prevent spread and runoff into drains, storm sewers, and ditches that lead to waterways. Notify persons down wind of the spill/release and keep unauthorized personnel away. Collect spilled material into suitable containers for removal. Spilled material may also be absorbed into an appropriate absorbent material. Waste or spilled material that cannot be used according to label instructions must be disposed of according to applicable federal, state and local regulations. Notify the National Response Center if spill of any amount is made into or upon U.S. navigable waters or adjoining shorelines.

7. HANDLING AND STORAGE

Hygienic Practices It is advisable to wash promptly if skin becomes contaminated; before eating, drinking, using tobacco, or chewing gum; before using toilet facilities; and at the end of the work shift before leaving worksite.

Storage Store in cool, dry, well ventilated areas away from heat, open flame and all sources of ignition. Keep containers closed. Store only in approved containers. Protect containers against physical damage.

Maintenance Contents can ignite. Do not pressurize, cut, weld, braze, solder, grind or drill on or near containers. Containers may explode and cause injury or death. "Empty" containers may contain residue that can ignite. Review OSHA regulations and other government and industrial references pertaining to cleaning, vessel entry, repairing, welding, or other contemplated operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits for Oil Mist:	5.0 mg/m ³	ACGIH	TWA
	10.0 mg/m ³	ACGIH	STEL
	5.0 mg/m ³	MSHA	TWA
	5.0 mg/m ³	OSHA	TWA
	5.0 mg/m ³	CAL OSHA	TWA

Ventilation: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits listed above, additional ventilation exhaust systems may be required.

Eyes: Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

Skin: The use of gloves impervious to the material is advised. If irritation occurs, impervious clothing should be worn.

Respiratory: A NIOSH certified air purifying respirator with a Type 95 (R or P) particulate filter may be used when airborne concentrations are expected to exceed exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	Clear bright amber liquid with characteristic petroleum odor
Boiling Point Range	540°F/ 282°C
Flash Point	385°F/ 196°C
Freezing/Melting Point	20°F / -6°C
Vapor Pressure (mm Hg)	<0.01
Vapor Density (air = 1)	>5

9. PHYSICAL AND CHEMICAL PROPERTIES, (con't)

Percent Volatile (by volume)	Negligible
Specific gravity (H ₂ O = 1)	0.847 – 0.871
Bulk Density	7.16 lbs / gal
Viscosity	12.23 cSt @ 40°C 3.01 cSt @ 100°C
Evaporation Rate (nBuAc = 1)	<0.01
pH	no data
Molecular weight	330

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions storage and handling
Hazardous Polymerization	Will not occur
Incompatibility	Avoid contact with strong oxidizing agents
Hazardous Decomposition Products	Combustion can yield carbon, nitrogen and sulfur oxides
Conditions to Avoid	Avoid all possible sources of ignition

11. TOXICOLOGICAL INFORMATION

No data found

This product has not been identified as a carcinogen by NTP, IARC or OSHA

FOR HEALTH EMERGENCIES CALL THE NATIONAL POISON CONTROL CENTER
1-800-222-1222

12. ECOLOGICAL INFORMATION

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Prevent spread and runoff into storm sewers and ditches that lead to waterways.

13. DISPOSAL CONSIDERATIONS

Waste or spilled material that cannot be used according to label instructions due to contamination by physical or chemical impurities would become used oil. RECYCLE ALL USED OIL. While being recycled, used oil is regulated by 40 CFR 279. In California used oil is managed as hazardous waste until tested to show it is not hazardous. Consult state and local regulations regarding the proper handling of used oil.

14. TRANSPORTATION INFORMATION

Note: Not classified as hazardous by the D.O.T.

Freight description: Insecticides, N.O.I., liquid

FOR TRANSPORTATION EMERGENCIES CALL CHEMTREC 1-800-424-9300

15. REGULATORY INFORMATION

This product is not subject to SARA Title III (EPCRA) reporting

Spills of any amount must be reported to the National Response Center under the regulations of 40 CFR Part 110.

CALIFORNIA Proposition 65: N/A

EPA NATIONAL RESPONSE CENTER 1-800-424-8802

16. OTHER INFORMATION

DATE PREPARED	August 11, 2005
NAME OF RESPONSIBLE PARTY	Western Farm Service, Inc. P. O. Box 1168 Fresno, California 93715-1168 (559) 436-2800

NOTICE

All information appearing in this document is based on data provided by third party sources and is compiled to comply with the Federal Hazard Communication Standard. The information is believed to be accurate as of the preparation date but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.

Western Farm Service, Inc. makes no warranty of merchantability, fitness for any purpose or otherwise, expressed or implied, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on the label.