SAFETY DATA SHEET

WEED SLAYER

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Weed Slayer.
Product Use: Broad spectrum, nonselective herbicide.
Supplier: AGRO RESEARCH INTERNATIONAL LLC
Address: 29203 State Road 46.
Sorrento, FL 32776
Telephone: 1 407 302 6116
Emergency phone: 1 407 435 9105
E-Mail: marc@agroresearchinternational.com

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	%	CAS #
Eugenol	0 - 6	97-53-0

SECTION 3: HAZARDS IDENTIFICATION

Toxicological risk classification according to WHO: U product unlikely to present acute hazard.
Physical state: dark brown liquid with a characteristic odor of cloves, noncorrosive and chemically stable in its form liquid.
This material is not a “health hazard” or a “physical hazard” as determined when reviewed according to the requirements of the Occupational Safety and Health Administration Hazard Communication Standard, 20 CFR 1910.1200.

Health hazards:
Eyes: Causes eye irritation, ardency, and redness.
Skin: brief contact with the skin is not toxic. Repeated or prolonged contact will dehydrate skin.
Ingestion: Can cause upper GI tract disturbance.
Inhalation: Can cause sneezing and coughing.

SECTION 4: FIRST AID MEASURES

Eye contact: if you wear contact lenses remove them immediately. Rinse with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical attention if irritation persists.

Skin contact: Immediately wash with water. Remove contaminated clothing and wash before use. Seek medical attention if irritation develops.

Inhalation: if it inhaled, bring the person immediately to take fresh air. Seek medical attention if discomfort persists.

Ingestion: Give plenty of water, never induce vomiting. Seek medical attention if consumed in large quantities.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the product: Non-combustible. **Flash Point:** 0

Fire Extinguishing: Non-combustible, use water.

General Information: In the case of a fire, wear breathing apparatus. Avoid direct contact with the product, product mists, and thermal decomposition products, which may produce oxides of carbon, nitrogen oxides and other organic substances.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protective equipment recommended. Stop the spill immediately. Pump the product into drums for disposal. Wash the affected area with plenty of water. Never return spills in original containers for re-use. For waste disposal, see section 13 of the this MSDS. Do not dump into rivers or lakes, keeping away from drains, surface, and groundwater.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid direct eye contact. Wash thoroughly exposed parts after handling and complies with the recommendations issued by good industrial hygiene practices.

Storage: Store in a clean and dry place. Store in original sealed containers, in a place where the temperature is below 90°F (32°C). Do not store with incompatible materials such as strong oxidizing agents, strong acids, and alkalis. It must be protected against physical damage and properly labeled.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Engineering:
Provide adequate ventilation. Install emergency showers and eye showers close to storage and handling areas.

Personal Protection:
Eye Protection: Use safety glasses with side shields or goggles when handling large quantities.

Skin Protection: Wear clothing and gloves PVC, latex or nitrile gloves during work. Gloves and protective clothing should be worn when working with a prolonged contact in your pure form.

Respiratory Protection: Ventilation should be adequate. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Dark brown
Odor:	Characteristic of cloves
Viscosity:	> 5000 cps at 70°F (21°C)
Boiling point (°C)	219°F (104.4°C)
Specific gravity (Water = 1)	≤ 1.46 at 60°F (15.6°C)
Vapor pressure (mm Hg)	Data not available
% Volatile (Wt%)	Data not available
Density (Water = 1)	1.4 at 70°F (21°C)
Solubility in water, fats, and organic solvents	Complete
pH	≤6

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: This product is stable under recommended storage and handling conditions. Stable at normal temperatures and pressure.

Hazardous decomposition products: Excessive heat decomposition can produce carbon and sulfur oxides and other organic substances.

Avoiding conditions: High temperatures or excessive heat above 120°F (49°C).

Incompatibilities: Reactive with strong oxidizing agents, alkalis, and strong acids.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Oral effects: Data not available
Skin contact: Data not available
Inhalation effects: Data not available
Eye contact: Data not available
Chronic/Carcinogenicity: Not evidence available
Mutagenicity: Not evidence available
Synergistic Materials: Solvents and soaps.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Data not available
Persistence and degradability: Data not available
Bioaccumulative potential: this product is not bioaccumulative

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with local regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds.
Empty containers may retain some product residues. This material and its container must be disposed of in a safe manner.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

During charging, transfer, transport, unloading, dissolving, mixing and sampling, it is not dangerous if precautions are taken use disclosed herein.
The transportation of dangerous good act classification for this product is: Not regulated. DOT classification: non-toxic, non-corrosive, chemical NOI, non-hazardous.

SECTION 15: REGULATORY INFORMATION

FIFRA Requirements:

The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) allows for federal control of pesticide distribution, sale and use.

Exemptions for pesticides of a character not requiring FIFRA regulation. The pesticides or classes of pesticides listed in this section have been determined to be of a character not requiring regulation under FIFRA, and are therefore exempt from all provisions of FIFRA when intended for use, and used, only in the manner specified. Eugenol is included on this list.

SECTION 16: ADICIONAL INFORMATION

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Prepared by Agro Research International LLC.

References:

The information contained in this safety data sheet material was obtained from sources believed to be accurate and reliable from a technical point of view. Despite that they have been deployed all efforts to ensure full disclosure of product hazards, in some cases, no data are available, which is declared. Whereas the conditions under which the product is used in practice are beyond the control of the supplier, it is assumed that users of this material have been fully trained according to the standards of industrial safety of each user. No express or implied warranties are given, and the provider is not liable for losses, injuries or consequential damages that may result from using or reliance on information contained herein.

Abbreviations:

WHO: World Health Organization
CFR: Code of Federal Regulations
NOI: Notice of intent - Chemical safety protocol - notice of intent (NOI)
DOT: Department of transportation.
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act.