



Section 1: Identification

GHS Product Identifier: AC-50W Root Inhibitor
Classification: Additive
Product Use: Industrial Use Only

Supplier
 Avanti International
 1100 Hercules Ave., Suite 320
 Houston, TX 77058
 Phone: 800.877.2570
 Fax: 281.486.7300

24 HR. EMERGENCY TELEPHONE NUMBER
 Chemtrec: 800.424.9300

Section 2: Hazards Identification

GHS Classification

Hazard Class	Category	
Acute tox.	4	Acute toxicity (Inhalation)
Carc.	1A	Carcinogenicity

GHS Label Elements

Hazard pictograms:



Signal Word	Danger
Hazards Statements:	
H315	Causes Skin Irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspect of causing cancer.
H373	Causes damage to organs (respiratory tract) through prolonged or repeated exposure if inhaled.
Precautionary Statements:	Prevention:
P201	Obtain Special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Use personal Protective equipment as required
	Response:
P303 + P311	IF exposed or concerned: Get medical advice/attention
P308 + P311	IF ON SKIN (or hair): Wash with plenty of soap and water.
P337 + P311	Call a poison center or doctor/physician if you feel unwell.
P362 + P364	Take off contaminated clothing and wash before reuse.
	Storage:
P405	Store locked up.
	Disposal:
P501	Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

Hazards not otherwise classified

Have the product label with you when calling a poison control center or doctor or going in for treatment.

Other information

41% of the mixture consists of ingredient(s) of unknown toxicity.

Section 3: Composition/Information on Ingredients
--

Weight %	Components	CAS-No.	Classification
50%	2,6-DICHLOROBENZONITRILE	1194-65-6	
<38.9%*	Kaolin clay	1332-58-7	
<2%*	QUARTZ	14808-60-7	

The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: First-Aid Measures

Description of First-Aid Measures**General advice:**

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

If inhaled:

Remove the affected individual into fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give-mouth-to-mouth resuscitation

If on skin:

Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

If in eyes:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing or at least 15 minutes. Keep eye wide open while rinsing, If symptoms persist, call a physician.

If swallowed:

Immediate medical attention is required. Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Self-Protection of the First Aider:

Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed.

Symptoms: No information available

Indication of any immediate medical attention and special treatment needed

Note to Physicians: Treat symptomatically

Section 5: Fire-Fighting Measures
--

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact: None
 Sensitivity to Static Discharge: None

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.

Section 6: Accidental Release Measures**Personal Precautions, Protective Equipment and Emergency Procedures**

Ensure adequate ventilation, especially in confined areas.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning-UpMethods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

Section 7: Handling and Storage**Precautions for Safe Handling**Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage (Including Any Incompatibilities)Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible Materials

Strong oxidizing agents. Heat

Section 8: Exposure Controls/Personal Protection

Chemical Names	ACGIH TLV	OSHA PEL	NIOSH IDLH
Kaolin clay 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
QUARTZ 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	(vacated) TWA: 0.1 mg/m ³ respirable dust : (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcfTWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust

$:(10)/(\%SiO_2 + 2) \text{ mg/m}^3$
TWA respirable fraction

NIOSH IDLH Immediately Dangerous to Life or Health



Individual protection measures, such as personal protective equipment

Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Skin and Body Protection:

Wear protective gloves and protective clothing.

Eye Protection:

Tight sealing safety goggles

General Safety and Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice

Section 9: Physical and Chemical Properties

Appearance: Solid, Tan Powder

Odor: Aromatic

Odor Threshold: Not determined

pH: Not Applicable

Freezing Point: No available information

Boiling Point: No available information

Flashpoint: No available information

Evaporation Rate: No available information

Flammability: No available information

Lower Explosion Limits: No available information

Upper explosion limits: No available information

Vapor Pressure: No available information

Vapor Density: No available information

Relative Density: No available information

Solubility in Water: Insoluble in water

Partition Coefficient n-octanol/water: No available information

Auto-ignition Temperature: No available information

Decomposition Temperature: No available information

Viscosity: No available information

Section 10: Stability and Reactivity

Reactivity

No data available.

Chemical stability

Stable.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Will not occur.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Strong oxidizing agents. Heat

Hazardous Decomposition Products

Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

Section 11: Toxicological Information**Information on likely routes of exposure**Product Information**Inhalation***May cause irritation of respiratory tract.***Skin***May cause irritation. Harmful if absorbed through skin.***Eye***May cause irritation***Ingestion***May cause irritation.*

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
QUARTZ 14808-60-7	= 500mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposureSensitization: No information available.Germ cell mutagenicity: No information available.Carcinogenicity: The table indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
QUART 14808-60-7	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X- Present

Reproductive toxicity - No information available.**STOT-single exposure** - No information available.**STOT - repeated exposure** - No information available.

Target Organ Effects – Eyes, lungs, Respiratory system.
Aspiration hazard - No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity – 39% of the mixture consists of ingredient(s) of unknown toxicity
Oral LD50 – 4970 mg/kg (rat)
Dermal LD50 - >2000 mg/kg

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) - 73838 mg/kg
ATEmix (dermal) – 1300 mg/kg

Section 12: Ecological Information

Ecotoxicity

Toxic to aquatic life with long lasting effects.39% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

Section 13: Disposal Considerations

Waste treatment methods

Disposal of wastes

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

Contaminated packaging

Do not reuse container, unless specified by manufacturer

Section 14: Transport Information

DOT (Department of Transportation)

The following guidelines apply for domestic ground transportation. If shipping by air or ocean, please contact our Transportation Dept.

PESTICIDES, NOI – NMFC 155050-6

In our current available sizes, this product does not qualify as a Hazardous Material.

Section 15: Regulatory Information

U.S. EPA Label Information

EPA Pesticide Registration Number 2217-676

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

Caution, keep out of reach of children. Harmful if swallowed or absorbed through skin or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing dust.

International Inventories

TSCA	Not listed
DSL/NDSL	Not listed
EINECS/ELINCS	Not listed
ENCS	Not listed
IECSC	Not listed
KECL	Not listed
PICCS	Not listed
AICS	Not listed

Legend:

TSCA: United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL: Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS: Japan Existing and New Chemical Substances

IECSC: China Inventory of Existing Chemical Substances

KECL: Korean Existing and Evaluated Chemical Substances

PICCS: Philippines Inventory of Chemicals and Chemical Substances

AICS: Australian Inventory of Chemical Substances

Chemical Name	Kaolin clay	QUARTZ
TSCA	X	X
DSL	X	X
NDSL		
EINECS	X	X
ELINCS		
ENCS	X	X
IECSC	X	X
KECL	X	X
PICCS	X	X
AICS	X	X

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 313/312 Hazard Categories

Acute health hazard: Yes

Chronic health hazard: No

Fire hazard: No

Sudden release of pressure hazard: No

Reactive hazard: No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40CFR 122.21 and 40 CFR 122.42)

CERLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Kaolin clay 1332-58-7	X	X	X
QUARTZ 14808-60-7	X	X	X

International Regulations

Mexico – Grade Slight risk, Grade 1

Chemical Name	Carcinogenicity	Exposure Limits
Kaolin clay		Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³
QUARTZ		Mexico: WTA 0.1 mg/m ³

Section 16: Other Information

NFPA	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties
HMIS	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection X

The information provided in this Safety Data Sheet is correct to the best of Avanti International's knowledge, information and belief at the date of this publication. The information given is designed only as 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 other process, unless specified in the text. AVANTI INTERNATIONAL MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Each user is also responsible for evaluating the conditions of use and designing the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. Avanti International assumes no responsibility for injury to the recipient or third persons or for any damage to any property resulting from misuse of the product.