

1-GAL. AQUACIDE INSECTICIDE
WATER-BASE NATURAL PYRETHRIN (4)

NFPA/HRMIS : HEALTH - 1
FLAMMABILITY - 0
REACTIVITY - 0

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MATERIAL SAFETY DATA SHEET U.S. DEPARTMENT OF LABOR
COMPLIES WITH USDL SAFETY AND HEALTH REGULATIONS, (29 CFR 1910.1200)

SECTION I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AQUA-CIDE ANDERSON SANITARY MAINTENANCE PRODUCTS
PRODUCT USE: INSECTICIDE 418 W. Peace ST. - P O Box 10753
Raleigh, NC 27605
PRODUCT CODE: 6324 (919) 821-4000 Toll Free 1-800-632-8805
MSDS NUMBER: KOS : 62

EMERGENCIES: (404)-351-4705

REVISION DATE: 050198 (3)

SECTION II COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER	ACTIVE INGREDIENTS	%	TLV(UNITS)
8003-34-7	PYRETHRINS	0.10	5 MG/M3
51-03-6	PIPERONYL BUTOXIDE, TECHNICAL	0.20	n/e
113-48-4	N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	0.33	n/e

n/e = none established

SECTION III HAZARDS IDENTIFICATION

Primary Route(s) of Entry

Ingestion and skin contact/absorption

Immediate Health Effects

EYES

Exposure may cause mild eye irritation. Symptoms may include stinging, tearing, and redness.

SKIN

Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms include redness, burning, drying and cracking.

INGESTION

Single oral dose toxicity is high. Aspiration of this product into the lungs can cause chemical pneumonia and can be fatal. Swallowing large amounts may be harmful or fatal.

INHALATION

Exposure to vapor or mist is possible. Do not mist product. Use course spray only. Short term inhalation is not likely to cause harmful effects; breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.

Reproductive/Developmental Information

No Data

Carcinogenic Information

This product is not a carcinogen or potential carcinogen as defined by OSHA, NTP, or IARC.

Long Term Effects

No Data

SECTION IV FIRST AID MEASURES

EYES

Flush well with water. If irritation persists, call a physician.

SKIN

Flush well with water.

INGESTION

If swallowed, promptly drink a large amount of milk or other liquid. Call physician immediately.

INHALATION

Remove victim to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. Get medical attention.

SECTION V FIRE FIGHTING MEASURES

Flash Point
No flash at boil (C.C. Method)

Explosive Limit
No data

Autoignition Temperature
No data

Hazardous Products of Combustion
No data

Extinguishing Media
alcohol foam, water fog, carbon dioxide, dry chemical.

Fire Fighting Instructions
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

NFPA/HMIS Ratings
Health: 1, Flammability: 0, Reactivity: 0

SECTION VI ACCIDENTAL RELEASE MEASURES

In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

SECTION VII HANDLING AND STORAGE

Handling
Avoid contact with skin or clothing.

Storage
Store in a cool, dry place. Keep original container closed when not in use.

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection
Safety glasses or goggles are recommended when using this product.

Skin Protection
Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection

Avoid breathing vapors. Use MSHA/NIOSH (or equivalent) recommended respirators.

Engineering Controls

Normal mechanical exhaust is recommended.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor

Clear, light yellow liquid with floral odor

Vapor Pressure

Unknown

Vapor Density

Unknown

Boiling Point

188 degrees Fahrenheit

Solubility in Water

Complete

Evaporation Rate

(Water=1) : < 1

Percent Volatiles

95.5%

Specific Gravity

(H2O=1) 1.00 +/- 0.02

SECTION X STABILITY AND REACTIVITY

Chemical Stability

Stable

Conditions To Avoid

Temperature extremes

Incompatibility

None

Hazardous Decomposition
None known

Hazardous Polymerization
Will not occur

SECTION XI TOXICOLOGICAL INFORMATION

No Data

SECTION XII ECOLOGICAL INFORMATION

This product is toxic to fish, birds, and other wildlife. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or regional office of the E.P.A.

SECTION XIII DISPOSAL CONSIDERATION

Waste Disposal Information
Dispose of in accordance with all applicable Federal, State and Local regulations.

NOTE: See product label for specific disposal instructions.

SECTION XIV TRANSPORT INFORMATION

DOT Information -- 49 CFR 172.101
DOT Description:
INSECTICIDES, FUNGICIDES, INSECT OR REPELLENTS, NOI
ITEM 102120 (Class 60)

- Packaged in plastic containers

RQ (Reportable Quantity) - 49 CFR 172.101
Not applicable

SECTION XV REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status:
TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 355 Appendix A
None

SARA 302 Components - 40 CFR 355 Appendix A
None

Section 311/312 Hazard Class - 40 CFR 370.2
Immediate(X) Delayed(X) Fire(X) Reactive() Sudden
Release of Pressure()

SARA 313 Components - 40 CFR 372.65

CAS Number	Chemical Names	%
8003-34-7	Pyrethrins	< 1.00
51-03-6	Piperonyl Butoxide, Tech.	< 1.00

State and Local Regulations

California Proposition 65
None

North Carolina Administrative Code 2D.1104 and 2H.0610
None

South Carolina Regulation 62.5 Standard Number 8

CAS Number	Chemical Names	%
8003-34-7	Pyrethrins	< 1.00

SECTION XVI OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

This information was compiled from current manufacturer's MSDSS of the component parts of the product. As well as other sources; such as:

Code of Federal Regulations 29, Revised as of July 1, 1994.

Code of Federal Regulations 40, Revised as of July 1, 1994.

ANSI Z129.1-1994, Precautionary Labeling of Hazardous Industrial Chemicals.

Hazard Communication Handbook, A Right to Know Compliance Guide, Craig A, Moyer & Michael Francis. Clark Broadman Company, LTD. New York, New York. 1996.

RCRA Regulations and Keyword Index. Compiled and published by McCoy and Associates, Inc. Lakewood, Colorado. 1992,