

Material Safety Data Sheet



ECOLAB AERO-MAX SYNERGIZED PERMETHRIN

Section 1. Chemical product and company identification

Trade name : ECOLAB AERO-MAX SYNERGIZED PERMETHRIN
Product use : Insecticide.
Supplier : Ecolab Inc. Food & Beverage Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-392-3392
Code : 905219
Date of issue : **08-February-2006**
EPA Registration No. : 1021-1739-1677

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
Petroleum distillates	proprietary	
Piperonyl Butoxide	51-03-6	1
Permethrin	52645-53-1	1

Section 3. Hazards identification

Physical state : Liquid. (Liquid.)
Emergency overview : CAUTION!

HARMFUL IF ABSORBED THROUGH SKIN OR IF INHALED.
HARMFUL IF SWALLOWED. MAY BE FATAL IF SWALLOWED.
Aspiration hazard if swallowed. Can enter lungs and cause damage.
Can cause central nervous system (CNS) depression.
MAY CAUSE EYE AND SKIN IRRITATION.
Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Potential acute health effects

Eyes : Slightly irritating to the eyes.
Skin : Slightly irritating to the skin.
Inhalation : Slightly irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
Ingestion : Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.
See toxicological information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact : Flush contaminated skin with plenty of water. Wash clothing before reuse.
Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If irritation persists, get medical attention.
Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.

Section 5. Fire fighting measures

- Flash point** : 93.8889 °C (Closed cup)
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
- Dike liquid for later disposal.
This material increases the risk of fire and may aid combustion.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Do not allow to enter drains or watercourses.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Do not ingest. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.
Store between -30 and 50°C

Section 8. Exposure controls, personal protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
- Personal protection**
- Eyes** : No protective equipment is needed under normal use conditions.
- Hands** : No protective equipment is needed under normal use conditions.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.

<u>Name</u>	<u>Exposure limits</u>
Petroleum distillates	OSHA PEL (United States). TWA: 5 mg/m ³ 8 hour(s).
	ACGIH TLV (United States). TWA: 5 mg/m ³ 8 hour(s).

Section 9. Physical and chemical properties

- Physical state** : Liquid. (Liquid.)
- Color** : Colorless.
- Odor** : Faint odor.
- pH** : Not applicable.
- Boiling/condensation point** : >100 °C
- Specific gravity** : 0.854 (Water = 1)
- Dispersibility properties** : Not dispersible in cold water, hot water.
- Solubility** : Insoluble in cold water, hot water.

Section 10. Stability and reactivity

Stability : The product is stable.
 Reactivity : Highly reactive with acids, alkalis.

Section 11. Toxicological information

Potential acute health effects

Eyes : Slightly irritating to the eyes.
 Skin : Slightly irritating to the skin.
 Inhalation : Slightly irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
 Ingestion : Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.

Potential chronic health effects

Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	Not regulated.	-	-	-	-

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification : Not regulated.
 U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 TSCA 8(b) inventory : All materials are listed or exempt.
 California Prop. 65 : No products were found.
 EPA Registration No. : 1021-1739-1677

Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	1
	Fire hazard	1
	Reactivity	0
	Personal protection	--

Date of issue : 08-February-2006.
 Responsible name : Regulatory Affairs
 Date of previous issue : No previous validation.
Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**