

100 Rawson Road • Suite 205 • Victor, NY 14564 • bioworksinc.com • 800.877.9443

Revision date: 4/28/2023

Version: 1.0

Page: 1/6

EpiShield[™]

Safety Data Sheet

1. Identification

Product Identifier NI02ES-1
Product Synonyms None

Recommended uses and

restrictions

Minimum risk insecticide and miticide for horticulture

Supplier Information BioWorks, Inc.

100 Rawson Rd., Ste. 205

Contact: Victor, NY 14564

Telephone +1-800-877-9443 Website bioworksinc.com

Emergency telephone number CHEMTREC 1-800-424-9300

2. Hazards Identification

Hazard Classification Not classified; all hazards are not otherwise classified

(HNOC)

OSHA Defined Hazards

Not Classified

Hazards Not Otherwise Classified

Direct contact with eye may cause irritation. Prolonged inhalation of spray mist or droplets may cause respiratory irritation. May cause skin irritation upon direct contact.

Label Elements

Signal Word CAUTION

Precautionary Statement

Prevention Wear eye/face protection and use in well ventilated areas.

Avoid breathing spray mist or droplets and wash thoroughly

after use.

Response If in eye: Rinse carefully with plenty of water.

If inhaled: Move to a well-ventilated area to allow fresh air

breathing.

If on skin: Rinse thoroughly with plenty of water.

Storage Keep in original closed container at RT (20C°).

Disposal Follow your local waste disposal agency instructions for any

leftover product and the container.

Revision date: 4/28/2023 Version: 1.0

Page: 2/6

3. Composition/information on ingredients

Mixture

Ingredient	CAS Number	Percentage
Peppermint oil	8006-90-4	15
Clove oil	800-34-8	10
Sodium lauryl sulfate	151-21-3	3
Inert 1	Trade Secret	0-30*
Inert 2	Trade Secret	0-30*
Inert 3	Trade Secret	0-30*
Inert 4	Trade Secret	0-30*
Inert 5	Trade Secret	0-30*

Composition Comments

US GHS: * Designates that a specific chemical identity and/or exact percentage of the composition has been withheld as a trade secret according to paragraph (i) of § 1910-1200.

4. First-Aid Measures

INGESTION Do not induce vomiting. Drink plenty of water and get

medical attention.

INHALATION Move the affected person immediately to a well-ventilated

area with fresh air and get medical attention.

SKIN CONTACT Wash the area thoroughly with soap and water.

EYE CONTACT Immediately wash with plenty of water for 15 minutes.

In all cases, contact a doctor or poison control office if irritation or symptoms persist. Ensure that medical personnel are aware of materials involved and take

precautions accordingly.

5. Fire-fighting measures

Suitable extinguishing media Special Protective Equipment and Precautions for Firefighters General Information Use extinguishing media appropriate for fire and surroundings such as carbon dioxide, water or foam. Full protective clothing and breathing apparatus should be worn in case of fire.

In case of fire, avoid contact with product mist and thermal decomposition products.

EpiShield™ Safety Data Sheet

Emergency Procedures

Containment Procedures

Revision date: 4/28/2023

Version: 1.0 Page: 3/6

6. Accidental release measures

Personal Precautions Keep unnecessary personnel away from upwind of spill or

leak. Eliminate all ignition sources and ventilate accidental

release area.

Protective Equipment Wear appropriate protective equipment such as safety

glasses, face shield, rubber gloves, long-sleeved shirt, long pants, socks and safety boots. A self-contained breathing apparatus may be used in case of inadequate ventilation. First responders and cleanup team should wear protective

First responders and cleanup team should wear protective equipment, secure the accidental release areas and call local authorities if significant spillage can not be contained. Keep combustible materials away from spill. Immediately

contain spills with absorbents to prevent entry into drainage

or bodies of water.

Cleanup Procedures Large spills: Stop the flow of material if it can be done

without risks. Use absorbents to soak up the spilled material and transfer to suitable containers for disposal. Clean the area with water and absorbents. Dispose used absorbents

according to local regulations.

Small spills: Soak up the spill with appropriate absorbents and dispose according to local regulations. Clean the area

with water and cleaning towels.

7. Handling and storage

Observe good industrial hygiene and safety procedures.

Precautions for Safe Handling

Keep the containers closed when not in use. After expose

Keep the containers closed when not in use. After exposure,

wash hands with soap and plenty of water.

Storage Recommendations Keep in original closed container at RT (20C°). Avoid direct

sun light or heating. Keep away from children.

8. Exposure controls/personal protection

Occupational Exposure Limits There are no available PEL, TLV or other recommended

exposure limits for this mixture.

Biological Limit Values No biological exposure limits noted.

Appropriate Engineering Controls Use local exhaust ventilations when using this product in

enclosed spaces.

Personal Protection

Eye: Wear safety glasses/goggles with side shields.

Skin: Wear appropriate protective clothing and chemical resistant

gloves.

EpiShield™ Safety Data Sheet

Revision date : 4/28/2023

Version: 1.0 Page: 4/6

Inhalation: Respiratory protection is not normally needed except when

engineering controls may not provide adequate ventilation.

Use an appropriate respirator when needed.

9. Physical and chemical properties

Appearance:LiquidPhysical state:Liquid

Color: Pale yellow

Odor: Slightly minty and clove

Melting/freezing point: N/D **Auto-ignition temperature:** N/A **Decomposition temperature:** N/D N/D **Evaporation rate:** Flammability (solid, gas): N/A Flash point: N/A Initial boiling point and range: N/D Partition coefficient (n-N/D

octanol/water):

pH: N/D
Relative density: N/D
Solubility(ies): Water
Upper/lower explosive limits: N/A
Upper/lower flammability limits: N/A
Vapor pressure: N/D
Viscosity: N/D

N/A = Not Applicable N/D = Not Determined

10. Stability and reactivity

Reactivity No dangerous reaction under normal conditions of use,

storage and transport.

Chemical Stability
Possibility of Hazardous Reactions

Possibility of Hazardous Reactions

Hazardous Decomposition Products

Mixture is stable under normal conditions. Hazardous polymerization does not occur.

No known hazardous decomposition products.

Conditions to avoid Avoid exposure to extreme high or low temperatures.

11. Toxicological information

Information on Likely Routes of

Exposure

Inhalation: Not available

EpiShield™ Safety Data Sheet

Revision date: 4/28/2023

Version: 1.0 Page: 5/6

Eye contact:Not availableSkin contact:Not availableIngestion:Not available

Symptoms Related to the Physical,

Direct contact with eyes may cause mild temporary irritation

Chemical and Toxicological

Characteristics

Acute Toxicity

Carcinogenicity:

US. National Toxicology Program

Not available
Not listed

(NTP) Report of Carcinogenesis

IARC Monographs Evaluation of Not listed

Carcinogenicity

OSHA Specifically Regulated Not regulated

Substances

Reproductive ToxicitySpecific Target Organ Toxicity –
Not available
Not classified

Single Exposure

Specific Target Organ Toxicity -

Repeated Exposure

Not classified

Aspiration Hazard Not available

12. Ecological information (non-mandatory)

Ecotoxicity No ecotoxicity data available for this mixture.

Persistence Degradability

Bioaccumulative Potential

Mobility in Soil

Other Adverse Effects

Not available

Not available

13. Disposal considerations (non-mandatory)

Do not contaminate water or food. Do not refill or reuse containers. Recycle the containers if appropriate. Dispose or incinerate according to your procedures. Follow your local waste disposal agency instructions for any leftover product in the container. Also refer to section 8 for appropriate personal protective equipment.

14. Transport information (non-mandatory)

This mixture is not regulated for transport.

US DOT name:
IATA name:
Not regulated
Not regulated
Not regulated
Not regulated
Not regulated

Revision date: 4/28/2023

Version: 1.0 Page: 6/6

15. Regulatory information (non-mandatory)

BioWorks Inc. represents that this product qualifies for exemption from the United States Environmental Protection Agency (EPA) under FIFRA Section 25(b). Not registered or intended for sale in Canada.

16. Other information

The information in this SDS has been obtained from current sources and is correct to the best of our knowledge, information and belief at the date of its publication. The information has been designed only as a guidance for use, safe handling, storage, transport, disposal and release and is not to be considered a warranty or quality specification. Despite that all efforts have been deployed to ensure full disclosure but in some cases no data are available which is declared.