Captain Jack's Neem Oil Ready To Use

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Captain Jack's Neem Oil Ready To Use

Product code : 70051134

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Insecticide, Fungicide, Miticide

1.3. Details of the supplier of the safety data sheet

Bonide Products, LLC
6301 Sutliff Road
Oriskany, NY 13424

Telephone Number: (315) 736-8231
Comment: Bonide hours of operation are 8:00 a.m. to 4:30 p.m EST.

Website: www.bonide.com

Email address: sales@bonide.com

1.4. Emergency telephone numbers (24 hour)

Medical : SafetyCall - (833) 972-1101

Spills : CHEMTREC - 1 (800) 424-9300 and/or 1 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard Classification : Not classified by OSHA

2.2. Label elements

EPA Signal Word: Caution* (refer to section 15)

Hazard Statements: None

Pictogram: None

Precautionary Statements: Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

2.3. Other hazards

Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinsate.

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively foraging.

SECTION 3: Composition/information on ingredients

Mixture

Name	Product identifier	%
Clarified Hydrophobic Extract of Neem Oil	(CAS No) 947173-77-5	0.9

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration preferably by mouth to mouth, if possible. Call poison control center or doctor for further treatment advice.

First-aid measures after skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

First-aid measures after eye contact : Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contacts if present after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice..

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store away from direct sunlight, feed or foodstuffs. Keep container closed when not in use. Keep from freezing.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OSHA Permissible Exposure Limits (PELs): Not determined

ACGIH Threshold Limit Values: Not determined

Other Exposure Limits: Not determined

8.2. Exposure controls

Engineering Controls: None

Personal Protective Equipment

Eye/Face Protection: None specified

Skin Protection None specified

Hand Protection: None specified

Body Protection: None specified

Respiratory Protection: None specified

Thermal Hazards: None known

General Hygiene Considerations: Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Environmental exposure controls: Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinsate. This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively foraging.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	White Liquid.
Color	:	White.
Odor	:	Sour garlic.
Odor threshold	:	No data available
pH	:	6.5 - 7.1
Relative evaporation rate (butyl acetate=1)	:	No data available
Melting point / Freezing point	:	0 °C (32 °F)
Initial Boiling point	:	100 °C (212 °F)
Flash point	:	Not flammable
Self ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Density	:	0.943 - 1.04 g/ml
Solubility	:	99%
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity	:	1.001 cP
Explosive properties	:	Not explosive
Oxidizing properties	:	Not oxidising

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Do not freeze.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	LD50 (oral) > 5000 mg/kg (study with product containing 90% AI) LD50 (dermal) > 2000 mg/kg (study conducted with AI) LC50 (inhalation) > 6.17 ± 1.23 mg/L (study with product containing 90% AI)
Skin corrosion/irritation	:	Slightly irritating, Toxicity Category IV (study with product containing 90% AI)
Serious eye damage/irritation	:	Minimally irritating, Toxicity Category III (study with product containing 90% AI)
Respiratory or skin sensitization	:	Mildly sensitizing (study with product containing 90% AI)
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not applicable
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Test species	Test method	Test substance	LC_{50}
Bobwhite Quail	14-day acute oral	Active Ingredient	LD50 > 2,150 mg a.i./kg body weight
Pimephales promelas (Fathead Minnow)	96-hour	Active Ingredient	NOEC 96-hour: 2,000 mg/L
Daphnia magna	48-hour	Active Ingredient	NOEC 48-hour: 2,000 mg/L
Apis mellifera L	This product is highly toxic to bees exposed to direct treatment. Do not apply when bees are actively visiting the treatment area.		

12.2. Persistence and degradability

Neem oil degrades rapidly and does not persist in the environment.

12.3. Bioaccumulative potential

Neem oil is not intended for use in aquatic environments. Appropriate cautions are required for use around bodies of water.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Not regulated for transport for DOT.

SECTION 15: Regulatory information

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:

CAUTION: Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

SECTION 16: Other information

Other information : None.

SDS US (GHS HazCom 2012) - Pesticides

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.