

## SECTION 1 Identification

### 1.1. Product identifier

Product form : Mixture  
Trade name : Simpell

### 1.2. Other means of identification

Other means of identification : EPA- NO: 228-767

### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Insecticide  
Restrictions on use : All other uses not recommended above

### 1.4. Supplier's details

Nufarm Americas, Inc.  
11901 South Austin Avenue  
Alsip, IL 60803  
United States  
T 1-800-345-3330  
[www.nufarm.com](http://www.nufarm.com)

### 1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
CCN 16105  
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

## SECTION 2 Hazard Identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

Not classified

### 2.2. Label elements

#### GHS US labeling

No labeling applicable

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

# Simpell

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Spinosad Technical	CAS-No.: 168316-95-8	23.94	Aquatic Acute 1, H400
Propylene glycol	CAS-No.: 57-55-6	14.35	Not classified
Methyl naphthalene sulfonic acid, polymer with formaldehyde, sodium salt	CAS-No.: 81065-51-2	1.27	Eye Irrit. 2A, H319

Full text of hazard classes and H-statements : see section 16

### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious: Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Repeated or prolonged contact may cause skin irritation.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. May cause irritation to the digestive tract.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry chemical, CO <sub>2</sub> , dry sand, or alcohol-resistant foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

# Simpell

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 5.2. Specific hazards arising from the chemical

- Fire hazard : No fire hazard.
- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides. Sulfur oxides.

### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, Remove ignition sources, ventilate area. Avoid breathing mist, spray, vapors, gas. Avoid contact with skin and eyes. Prevent other non-emergency personnel from entering the danger area.

#### For emergency responders

- Protective equipment : Wear the recommended personal protective equipment.
- Emergency procedures : Evacuate personnel to a safe area. Ventilate spillage area. Stop leak if safe to do so.
- Environmental precautions : Follow product instructions and best practices for use to avoid misapplications of the product. Do not negligently allow product to enter off-target drains, sewers, or ground water.

### 6.2. Methods and materials for containment and cleaning up

- For containment : Contain with non-combustible inert absorbent.
- Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Decontaminate surfaces and equipment with water and detergent. Notify authorities if product enters sewers or public waters. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid breathing mist, spray, vapors, gas. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharge.
- Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container closed when not in use. Do not freeze. Do not store for prolonged periods in direct sunlight.

# Simpell

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

##### Propylene glycol (57-55-6)

##### USA - AIHA - Occupational Exposure Limits

WEEL TWA	10 mg/m <sup>3</sup> aerosol
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#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits.

#### 8.3. Individual protection measures, such as personal protective equipment

##### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

##### Hand protection:

Wear protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing. Body protection should be chosen depending on activity and possible exposure

##### Personal protective equipment symbol(s):



### SECTION 9 Physical and chemical properties

#### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Opaque.
Color	: Light brown
Odor	: Slightly stale-like odor
Odor threshold	: No data available
pH	: 7.54
Melting point	: Not applicable.
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.083 g/ml (20 °C/ 68 °F)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available

# Simpell

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Decomposition temperature	: No data available
Viscosity, kinematic	: 3253.14 mm <sup>2</sup> /s (20 °C / 68 °F)
Viscosity, dynamic	: 1700 – 2200 cP 68 °F/ 20 °C
Explosion limits	: No data available
Particle characteristics	: No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Incompatible materials.

### 10.5. Incompatible materials

Oxidizing agents. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Nitrogen oxides. Sulfur oxides.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified.

Simpell	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 2.13 mg/l
Propylene glycol	
LD50 oral	8000 mg/kg
LD50 dermal	20800 mg/kg

Skin corrosion/irritation : Not irritating to rabbits on cutaneous application  
pH: 7.54

Serious eye damage/irritation : Minimally irritating to rabbits on ocular application  
pH: 7.54

# Simpell

## Safety Data Sheet

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Respiratory or skin sensitization : Skin sensitization: Not classified. Local Lymph Node Assay : Not sensitizing

Propylene glycol	
Patch test, human	Not sensitive
Additional information	No sensitizing reaction was observed for guinea pigs

Germ cell mutagenicity : Not classified

Propylene glycol	
Dominant lethal test, rat	Negative

Carcinogenicity : Not classified

Propylene glycol	
Carcinogenicity: Lifetime study, Dermal, mouse	2-21 mg/day (No increased incidence in tumors)

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Propylene glycol	
NOAEL (subchronic, oral, animal/male, 90 days)	443 mg/kg body weight

Aspiration hazard : Not classified

Simpell	
Viscosity, kinematic	3253.14 mm <sup>2</sup> /s (20 °C / 68 °F)

Symptoms/effects after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact : Repeated or prolonged contact may cause skin irritation.

Symptoms/effects after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. May cause irritation to the digestive tract.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Ecology - general : Toxic to aquatic life. No specific data is currently available on this product's effects on aquatic life, however release of this product may have short term effects on the aquatic environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Propylene glycol	
LC50 - Fish [1]	100 mg/l
EC50 - Crustacea [1]	1000 mg/l
EC50 72h - Algae [1]	24200 mg/l
EC50 72h - Algae [2]	19300 mg/l
EC50 96h - Algae [1]	19000 mg/l
EC50 96h - Algae [2]	19100 mg/l

# Simpell

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Propylene glycol	
ErC50 algae	1000 mg/l
NOEC chronic crustacea	1000 mg/l
NOEC chronic algae	1000 mg/l

### 12.2. Persistence and degradability

Simpell	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Simpell	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified  
Fluorinated greenhouse gases : No

## SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.  
Additional information : Do not re-use empty containers.

## SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
<b>14.1. UN number</b>		
Not regulated for transport		
<b>14.2. Proper Shipping Name</b>		
Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>		
Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>		
	Not regulated	

# Simpell

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

DOT	IMDG	IATA
No supplementary information available		

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

## SECTION 15 Regulatory information

### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Spinosad Technical	CAS-No. 168316-95-8	23.94%
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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### FIFRA Labelling

EPA Registration Number	228-767
This chemical is a pesticide product registered by the U.S. 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. The following is the hazard information as required on the pesticide label.	
FIFRA Signal Word	Caution
FIFRA Precautionary Statement	Keep out of reach of children. Harmful if absorbed through skin.

### 15.2. International regulations

#### CANADA

##### Spinosad Technical (168316-95-8)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

##### Propylene glycol (57-55-6)

Listed on the Canadian DSL (Domestic Substances List)

##### Methyl naphthalene sulfonic acid, polymer with formaldehyde, sodium salt (81065-51-2)

Listed on the Canadian NDSL (Non-Domestic Substances List)

# Simpell

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### EU-Regulations

No additional information available

### National regulations

#### Spinosad Technical (168316-95-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Propylene glycol (57-55-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Propylene glycol(57-55-6)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16 Other information

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 10/8/2025

Issue date : 5/7/2024

Full text of hazard classes and H-statements	
H319	Causes serious eye irritation
H400	Very toxic to aquatic life

### Indication of changes:

HazCom 2024. Hazards identification. FIFRA Labelling. Transport information.

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.