

Safety Data Sheet

according to WHS Regulations

Printing date 12.05.2017

Revision: 12.05.2017

1 Identification

Product Name: NAPOLEON SHEEP DRENCH**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Anthelmintic drench for sheep**Details of Manufacturer or Importer:**

Nutrien Ag Solutions Limited
 Level 5, Building A, 26 Talavera Road
 Macquarie Park, NSW 2113

Phone Number: (02) 9889 5400**Emergency telephone number:** National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



skull and crossbones

Acute Toxicity (Oral) 3 H301 Toxic if swallowed.

Acute Toxicity (Dermal) 2 H310 Fatal in contact with skin.

Signal Word Danger**Hazard Statements**

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

Precautionary Statements

P280 Wear protective gloves / protective clothing.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P302+P352 IF ON SKIN: Wash with plenty of water.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

1491-41-4	Naphthalophos	80%
	Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 2, H310	
112926-00-8	Silica gel, precipitated, crystalline free	5 - <10%

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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May be harmful if inhaled.

Skin Contact: Fatal in contact with skin. This product can be absorbed through the skin, causing headache, blurred vision, giddiness, sweating, nausea, vomiting, cyanosis, spasms, and possible respiratory paralysis. May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: Toxic if swallowed. May cause symptoms similar to skin contact.

Medical Attention and Special Treatment:

In cases of poisoning atropine sulphate should be given at 5 - 10 minute intervals until dryness of the mouth occurs.

Atropine should NOT be given to patients suffering from cyanosis.

In cases of severe poisoning administer pralidoxime.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, sand or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, nitrogen and phosphorus and hydrogen cyanide.

Product is not flammable, but dust may form explosive dust cloud in air.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Australia approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust. Work from the up-wind side of the spill.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Clean the spill area with an aqueous detergent and small amounts of water and then spread hydrated lime over the effected area.

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7 Handling and Storage

Precautions for Safe Handling:

Take precautions to prevent formation of explosive dust mixtures.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from oxidising agents
Store at temperatures below 30 °C.

8 Exposure controls and personal protection

Exposure Standards:**112926-00-8 Silica gel, precipitated, crystalline free**WES | TWA: 10 mg/m³**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

This product is packaged to minimise dust formation, but where an inhalation risk exists wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC or rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Wettable powder
Colour:	Off-white to beige.
Odour:	Slight characteristic odour.
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	175 - 181 °C (Naphthalophos)
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available

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Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	~0.33 g/cm ³
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble - water dispersible
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products: Oxides of carbon, nitrogen and phosphorus and hydrogen cyanide.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

1491-41-4 Naphthalophos

Oral	LD ₅₀	88 mg/kg (rat)
Dermal	LD ₅₀	140 mg/kg (rat)

Acute Health Effects

Inhalation: May be harmful if inhaled.

Skin:

Fatal in contact with skin. This product can be absorbed through the skin, causing headache, blurred vision, giddiness, sweating, nausea, vomiting, cyanosis, spasms, and possible respiratory paralysis.

May cause skin irritation.

Eye: May cause eye irritation.

Ingestion: Toxic if swallowed. May cause symptoms similar to skin contact.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

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Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** Prolonged or repeated exposure may have a cumulative effect.**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for naphthalophos for a human is 0.0001 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.25 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2017).

12 Ecological Information

Ecotoxicity: Toxic to bees.**Aquatic toxicity:** No further relevant information available.**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number ADG, IMDG, IATA	UN2783
Proper Shipping Name ADG, IMDG, IATA	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC (Naphthalophos)
Dangerous Goods Class ADG Class:	6.1 Toxic substances.
Packing Group: ADG, IMDG, IATA	III
EMS Number:	F-A,S-A
Hazchem Code:	2X
Special Provisions:	61, 223, 274
Limited Quantities:	5 kg
Packagings & IBCs - Packing Instruction:	P002, IBC08, LP02
Packagings & IBCs - Special Packing Provisions:	B3
Portable Tanks & Bulk Containers - Instructions:	T1

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Portable Tanks & Bulk Containers - Special Provisions:

TP33

15 Regulatory information

Australian Inventory of Chemical Substances:

1491-41-4	Naphthalophos
112926-00-8	Silica gel, precipitated, crystalline free

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

16 Other information

Date of Preparation or Last Revision: 12.05.2017**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 3: Acute toxicity – Category 3

Acute Toxicity (Dermal) 2: Acute toxicity – Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

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