

Safety Data Sheet

according to WHS Regulations

Printing date 11.09.2020

Revision: 11.09.2020

1 Identification

Product Name: COVINE EQUALISER SHEEP DIP

Other Means of Identification: Temephos is an organophosphorus insecticide.

APVMA Number: 69650/123651

Recommended Use of the Chemical and Restriction on Use:

Animal insecticide for use as described on the product label.

Details of Manufacturer or Importer:

Nutrien Ag Solutions

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 (Inhalation) 3 H331 Toxic if inhaled.



health hazard

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Signal Word Danger

Hazard Statements

H302 Harmful if swallowed.

H331 Toxic if inhaled.

H304 May be fatal if swallowed and enters airways.

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

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

P271 Use only outdoors or in a well-ventilated area.

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

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P331 Do NOT induce vomiting.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 11.09.2020

Revision: 11.09.2020

Product Name: COVINE EQUALISER SHEEP DIP

(Contd. of page 1)

P311 Call a POISON CENTER/doctor.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 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:**

CAS: 64742-94-5	Solvent naphtha (petroleum), heavy arom. ⚠️ Aspiration Hazard 1, H304	25-50%
CAS: 3383-96-8	Temephos ⚠️ Acute Toxicity (Inhalation) 3, H331; ⚠️ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312	25-50%

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, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

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.

Information for Doctor: Symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

Symptoms Caused by Exposure:

Inhalation: Toxic if inhaled. May cause headache, fatigue, dizziness, loss of appetite with nausea, stomach cramps and diarrhoea; blurred vision associated with excessive tearing, contracted pupils of the eye, excessive sweating and salivation, slowed heartbeat, often fewer than 50 per minute and rippling of surface muscles just under the skin.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause mild eye irritation.

Ingestion: Harmful if swallowed. May cause symptoms similar to inhalation. May be fatal if swallowed and enters airways.

Moderately severe organophosphate insecticide poisoning cases exhibit all the signs and symptoms found in mild poisonings, but in addition, the victim is unable to walk, often complains of chest discomfort and tightness, exhibits marked constriction of the pupils (pinpoint pupils), exhibits muscle twitching; has involuntary urination and bowel movement. Severe poisonings are indicated by incontinence, unconsciousness and seizures.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog or fine water spray.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, sulphur and phosphorus.

This product is not flammable, but may burn or decompose in a fire.

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

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 11.09.2020

Revision: 11.09.2020

Product Name: COVINE EQUALISER SHEEP DIP

(Contd. of page 2)

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 respiratory protection, chemical resistant gloves, safety glasses, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

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.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

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 strong oxidising agents. Protect from physical damage. Check regularly for leaks.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 3383-96-8 Temephos**NES | TWA: 10 mg/m³**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

Use approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl 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.

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 11.09.2020

Revision: 11.09.2020

Product Name: COVINE EQUALISER SHEEP DIP

(Contd. of page 3)

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Clear, straw coloured
Odour:	Mild
Odour Threshold:	Not determined.
pH-Value:	Not determined.
Melting point/freezing point:	Not determined
Initial Boiling Point/Boiling Range:	Not determined
Flash Point:	96 °C
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour Pressure:	Not determined.
Density:	Not determined.
Relative Density at 20 °C:	1.08-1.18
Vapour Density:	Not determined.
Evaporation Rate:	Not determined.
Solubility in Water:	Emulsifiable
Partition Coefficient (n-octanol/water):	Not determined.

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, hot surfaces and direct sunlight.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Oxides of carbon, sulphur and phosphorus.

11 Toxicological Information

Toxicity:**LD50/LC50 Values Relevant for Classification:****CAS: 3383-96-8 Temephos**

Oral	LD50	1,000 mg/kg (rat)
Dermal	LD50	970 mg/kg (rabbit)
Inhalation	LC50/4 h	1.3 mg/l (rat)

CAS: 64742-94-5 Solvent naphtha (petroleum), heavy arom.

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 11.09.2020

Revision: 11.09.2020

Product Name: COVINE EQUALISER SHEEP DIP

(Contd. of page 4)

Acute Health Effects**Inhalation:**

Toxic if inhaled. May cause headache, fatigue, dizziness, loss of appetite with nausea, stomach cramps and diarrhoea; blurred vision associated with excessive tearing, contracted pupils of the eye, excessive sweating and salivation, slowed heartbeat, often fewer than 50 per minute and rippling of surface muscles just under the skin.

Skin: May cause mild skin irritation.

Eye: May cause mild eye irritation.

Ingestion:

Harmful if swallowed. May cause symptoms similar to inhalation. May be fatal if swallowed and enters airways.

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.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information:

The Australian Acceptable Daily Intake (ADI) for temephos for a human is 0.1 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 1 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', 2020).

12 Ecological Information

Ecotoxicity: Organophosphates are highly toxic to birds and mammals.

Aquatic toxicity:

CAS: 64742-94-5 Solvent naphtha (petroleum), heavy arom.

EC50/48 h 12 mg/l (daphnia)

EC50/72 h 2.5 mg/l (skeletonema costatum)

LC50/96 h 45 mg/l (fathead minnow)

May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: No information available

Bioaccumulative Potential: Bioaccumulation is unlikely.

Mobility in Soil: No information available

Other adverse effects: No information available

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 11.09.2020

Revision: 11.09.2020

Product Name: COVINE EQUALISER SHEEP DIP

(Contd. of page 5)

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	UN3018
Proper Shipping Name ADG, IMDG, IATA	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (Temephos)
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:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Portable Tanks & Bulk Containers - Instructions:	T7
Portable Tanks & Bulk Containers - Special Provisions:	TP2, TP28

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 64742-94-5 Solvent naphtha (petroleum), heavy arom.

CAS: 3383-96-8 Temephos

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

Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 11.09.2020

Prepared by: MSDS.COM.AU Pty Ltd

www.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 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Printing date 11.09.2020

Revision: 11.09.2020

Product Name: COVINE EQUALISER SHEEP DIP

(Contd. of page 6)

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

Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4

Acute Toxicity (Inhalation) 3: Acute toxicity - inhalation – Category 3

Aspiration Hazard 1: Aspiration hazard – Category 1

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 - May 2018”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Nutrien Ag Solutions makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.