

# Safety Data Sheet

according to WHS Regulations

Printing date 20.04.2021

Revision: 16.02.2021

## 1 Identification

**Product Name:** LOVELAND NUTRIWET ADJUVANT

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Wetting agent

**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:** 1800 44 88 92

## 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.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



Corrosion

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



Skin Corrosion/Irritation 2 H315 Causes skin irritation.

**Signal Word** Danger

**Hazard Statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Precautionary Statements**

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

## 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)

# Safety Data Sheet

according to WHS Regulations

Printing date 20.04.2021

Revision: 16.02.2021

**Product Name: LOVELAND NUTRIWET ADJUVANT**

(Contd. of page 1)

Hazardous Components:		
	Alcohols, C12-14, ethoxylated, sulfates, sodium salts ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Skin Corrosion/Irritation 2, H315; Aquatic Chronic 3, H412	15-20%
CAS: 8008-57-9	Citrus aurantium dulcis (Orange) oil ⚠ Flammable Liquids 3, H226	5-10%
CAS: 64425-86-1	Alcohols, C13-15, ethoxylated ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Acute Toxicity (Oral) 4, H302	5-10%

## 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. 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 develop and persist.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

**Ingestion:**

Wash mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms develop.

**Symptoms Caused by Exposure:**

Inhalation: Prolonged exposure may be harmful.

Skin Contact: Causes skin irritation. May cause redness and pain.

Eye Contact: Causes serious eye damage. May cause stinging, redness, lachrymation, swelling and blurred vision.

Ingestion: May cause gastrointestinal discomfort.

## 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use water jet as this will spread the fire.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include gases hazardous to health, such as carbon monoxide, carbon dioxide, sulphur oxides and sodium oxides.

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.

Prevent firefighting run off from entering drains or water courses.

**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 protective equipment. Keep unprotected persons away.

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

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 20.04.2021

Revision: 16.02.2021

**Product Name: LOVELAND NUTRIWET ADJUVANT**

(Contd. of page 2)

**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. Avoid breathing mist or vapour. Ensure adequate ventilation. Take care as surfaces may present as a slip hazard. Clean surface thoroughly with water to remove any residual contamination.

## 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, mist or spray. 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 the original container, kept in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Keep away from strong oxidising agents.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Ensure adequate ventilation of the working area.

**Respiratory Protection:**

Use an approved full-face organic 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:**

Chemical resistant 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 and an impervious apron (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:**

Wear safety glasses with side shields (or goggles), and a face shield if there is risk of splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Green
<b>Odour:</b>	Citrus

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Printing date 20.04.2021

Revision: 16.02.2021

**Product Name: LOVELAND NUTRIWET ADJUVANT**

(Contd. of page 3)

<b>Odour Threshold:</b>	No information available
<b>pH-Value at 20 °C:</b>	6.8-7.8
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	>100 °C
<b>Flammability:</b>	Product is non flammable.
<b>Ignition Temperature</b>	No information available
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Density:</b>	No information available
<b>Relative Density at 23 °C:</b>	1.0-1.1 (Water = 1)
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Completely soluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity at 23 °C:</b>	80-130 cP
<b>Solvent separation test:</b>	No information available
<b>VOC:</b>	No information available

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation is not expected to occur.

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

**Conditions to Avoid:** Contact with incompatible materials.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:**

Hazardous combustion products include gases hazardous to health, such as carbon monoxide, carbon dioxide, sulphur oxides and sodium oxides.

## 11 Toxicological Information

**Toxicity:**

**LD50/LC50 Values Relevant for Classification:**

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalation	LC50	>2.13 mg/l (rat)

**Acute Health Effects**

**Inhalation:** Prolonged exposure may be harmful.

**Skin:** Causes skin irritation. May cause redness and pain.

**Eye:** Causes serious eye damage. May cause stinging, redness, lachrymation, swelling and blurred vision.

**Ingestion:** May cause gastrointestinal discomfort.

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Printing date 20.04.2021

Revision: 16.02.2021

**Product Name: LOVELAND NUTRIWET ADJUVANT**

(Contd. of page 4)

**Skin Corrosion / Irritation:** Causes skin irritation.**Serious Eye Damage / Irritation:** Causes serious eye damage.**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:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No data associated with long term health effects.**Existing Conditions Aggravated by Exposure:** No data available.

## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:**

EC50/48 h 11 mg/l (daphnia)

LC50/96 h 18.7 mg/l (fish)

**Persistence and Degradability:** No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**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** Not regulated.**Proper Shipping Name** Not regulated.**Dangerous Goods Class** Not regulated.**Packing Group:** Not regulated.

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

Printing date 20.04.2021

Revision: 16.02.2021

**Product Name: LOVELAND NUTRIWET ADJUVANT**

(Contd. of page 5)

## 15 Regulatory Information

### Australian Inventory of Industrial Chemicals:

All ingredients are listed.

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

Poisons Schedule: 5

### Australia: Priority Existing Chemicals

None of the ingredients is listed.

## 16 Other Information

**Date of Preparation or Last Revision:** 16.02.2021**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)

### Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

VOC: Volatile Organic Compounds

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

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

Flammable Liquids 3: Flammable liquids – Category 3

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

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

### 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 - July 2020”

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 Limited 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.