

# Safety Data Sheet

according to WHS Regulations

Printing date 28.01.2021

Revision: 28.01.2021

## 1 Identification

**Product Name:** LOVELAND PRODUCTS AWAKEN ST

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Liquid seed treatment preparation

**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 033 111

## 2 Hazard(s) Identification

**Hazardous Nature:**

Not 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)

The product is not classified, according to the Globally Harmonised System (GHS).

**Signal Word** None

**Hazard Statements** None

## 3 Composition and Information on Ingredients

**Chemical Characterization:** Mixtures

**Description:** This mixture does not contain any notifiable substances.

**Hazardous Components:** None

**Additional information:**

This product is a blend derived from acetic acid, anhydrous ammonia, copper sulphate, ferrous sulphate, manganese sulphate, potassium nitrate, sodium borate, sodium molybdate, urea ammonium nitrate, zinc oxide and zinc sulphate. CAS numbers are not supplied.

## 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 wash affected areas. Seek medical attention if symptoms occur.

**Eye Contact:**

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

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

**Symptoms Caused by Exposure:**

Inhalation: May cause mild respiratory irritation.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause mild eye irritation, redness and lachrymation.

Ingestion: May cause mild gastrointestinal irritation, nausea, vomiting, and diarrhoea.

(Contd. on page 2)

# Safety Data Sheet

according to WHS Regulations

Printing date 28.01.2021

Revision: 28.01.2021

**Product Name: LOVELAND PRODUCTS AWAKEN ST**

(Contd. of page 1)

## 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrogen, other nitrogen compounds, hydrogen cyanide, metal compounds and smoke.

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.

**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.

**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. Wash area after spills.

## 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.

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.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container, tightly closed when not in use. Protect from extreme temperatures. Store at temperatures between 5°C and 35°C. Keep away from strong oxidising agents, reducing agents, acids and bases.

## 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:**

Respiratory protection is not required under normal use conditions.

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:**

Rubber or PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

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 3)

# Safety Data Sheet

according to WHS Regulations

Printing date 28.01.2021

Revision: 28.01.2021

**Product Name: LOVELAND PRODUCTS AWAKEN ST**

(Contd. of page 2)

**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:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear dark green
<b>Odour:</b>	Slightly sweet odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	6.0-6.5
<b>Melting point/freezing point:</b>	<0 °C
<b>Initial Boiling Point/Boiling Range:</b>	~100 °C
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure at 20 °C:</b>	2.37 kPa (Water vapour pressure)
<b>Relative Density:</b>	1.187
<b>Vapour Density:</b>	As for water
<b>Evaporation Rate:</b>	As for water
<b>Solubility in Water:</b>	Completely soluble
<b>Partition Coefficient (n-octanol/water):</b>	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 storage and use.

**Conditions to Avoid:** Storage at temperatures below 5°C and above 35°C.

**Incompatible Materials:** Strong oxidising agents, reducing agents, acids and bases.

**Hazardous Decomposition Products:**

Oxides of carbon and nitrogen, other nitrogen compounds, hydrogen cyanide, metal compounds and smoke.

## 11 Toxicological Information

**Toxicity:****LD50/LC50 Values Relevant for Classification:****CAS: 7664-41-7 Ammonia, anhydrous**

Oral	LD50	350 mg/kg (rat)
Inhalation	LC50/4 h	2000 mg/l (rat)

**Acute Health Effects**

**Inhalation:** May cause mild respiratory irritation.

**Skin:** May cause mild skin irritation.

**Eye:** May cause mild eye irritation, redness and lachrymation.

**Ingestion:** May cause mild gastrointestinal irritation, nausea, vomiting, and diarrhoea.

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.01.2021

Revision: 28.01.2021

**Product Name: LOVELAND PRODUCTS AWAKEN ST**

(Contd. of page 3)

**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:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

### 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:** No information available**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

### 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

This product contains no hazardous ingredients.

All ingredients are listed.

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

Not Scheduled.

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.01.2021

Revision: 28.01.2021

**Product Name: LOVELAND PRODUCTS AWAKEN ST**

(Contd. of page 4)

### 16 Other Information

**Date of Preparation or Last Revision:** 28.01.2021**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)

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)

**Data altered compared to the previous version:**

Section 1: Details of Manufacturer or Importer, Emergency Phone Number, Section 2: Hazardous Nature Section, Section 4: Symptoms caused by exposure section, 5: Specific Hazards Arising from the Chemical, Section 6: Personal Precautions, Protective Equipment and Emergency Procedures, Section 10: Conditions to avoid, Section 11: Toxicological information, Section 12: Ecological information.

**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.