

Infosafe No™ NU04H	Issue Date : July 2021	ISSUED by NUFARM
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Product Name **LIASE Liquid Herbicide Adjuvant**

Not classified as hazardous

1. Identification

GHS Product Identifier	LIASE Liquid Herbicide Adjuvant
Product Code	3355
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia
Telephone/Fax Number	Tel: +61 3 9282-1000
Emergency phone number	1800 033 498 (24hr Australia)
E-mail Address	SDSANZ@nufarm.com
Recommended use of the chemical and restrictions on use	A liquid herbicide adjuvant for use with Glyphosate based herbicides to minimise antagonism when tank mixing with flowable herbicides and improve performance under adverse environmental conditions as per the label.
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

2. Hazard Identification

GHS classification of the substance/mixture	Not classified as hazardous under the GHS criteria.
Other Information	Poisons Schedule : Not Scheduled

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ammonium sulphate	7783-20-2	417 g/L

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered.
Ingestion	Rinse mouth and then drink plenty of water.
Skin	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Hazards from Combustion Products	If involved in a fire, the dehydrated components may emit toxic fumes of nitrogen, sulphur oxides and ammonia.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
Specific hazards arising from the chemical	

6. Accidental release measures

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Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal.
Clean-up Methods - Small Spillages	Ammonium sulphate is used widely as a fertiliser. Small spillages can be diluted with water and worked into the soil.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standards have been set for this product or the active ingredients.
Appropriate engineering controls	Natural ventilation is sufficient when handling concentrate and preparing spray solution.
Personal Protective Equipment	It is good practice to wear suitable personal protective equipment (PPE). Avoid skin and eye contact.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

9. Physical and chemical properties

Form	Liquid
Appearance	Colourless liquid.
Melting Point	<0°C
Boiling Point	>100°C
Solubility in Water	Soluble in water.
Specific Gravity	1.19
Volatile Component	60% (water)
Flammability	Not flammable

10. Stability and reactivity

Possibility of hazardous reactions	The addition of a strong alkali such as caustic soda will result in the evolution of ammonia vapour which is irritating to eyes and lungs. Ammonium sulfate reacts with sodium hypochlorite.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat) 3000 mg/kg for ammonium sulfate
Ingestion	The concentrate is of low toxicity if swallowed.
Inhalation	When applying the product as a spray avoid breathing in spray mist.
Skin	Prolonged contact with the concentrate may cause irritation.
Eye	The concentrate may cause irritation of the eyes unless washed off immediately.
Chronic Effects	No information available, no chronic effects expected.

12. Ecological information

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Other Precautions Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

13. Disposal considerations

Product Disposal On site disposal of the concentrated product is not acceptable.

Container Disposal Do not use this container for any other purpose.
 Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank.
 If recycling, replace cap and return clean containers to recycler or designated collection point.
 If not recycling, puncture or shred and bury containers in local authority landfill.
 If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.
 Empty containers and product should not be burnt.
 Returnable containers: empty contents fully into application equipment.
 Replace cap, close all valves and return to the point of supply for refill or storage.
 drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.

14. Transport information

Storage and Transport Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory Information Australia: WHS regulations (2011) - Schedule 11: classification not listed.

Poisons Schedule Not Scheduled

Packaging & Labelling KEEP OUT OF REACH OF CHILDREN
 READ SAFETY DIRECTIONS BEFORE OPENING OR USING

16. Other Information

Date of preparation or last revision of SDS Revised 12/07/2021.
 This SDS replaces document dated 19 August 2016.

Contact Person/Point Normal Hours: SDS Coordinator Phone: +61 3 9282 1000
 After Hours: Shift Supervisor Phone: 1800 033 498

Revisions Highlighted The SDS was reviewed to include GHS requirements.

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