

SAFETY DATA SHEET

Issue No: 2.1	Revision date: 26 June 2023 First print date: 2 June 2016
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	AMARILLO
Other means of identification:	Liquid Glue
Recommended Use:	Agricultural Glue
Supplier:	ICA International Chemicals (Pty) Ltd
Address:	28 Planken Street Plankenbrug Industrial STELLENBOSCH · 7600 · SOUTH AFRICA
Telephone No:	+27-21 886 9812
Fax No:	+27-21 886 8209
Emergency Tel No:	Griffon Poison Information Centre: +27-82 446 8946 Human Poison Helpline: +27-861 555 777

2. HAZARD IDENTIFICATION

Eye Irritation – Category 2A
Skin Irritation – Category 3
Skin Sensitization – Category 1
Chronic Aquatic Toxicity – Category 3

Label Elements

Classification and Labelling of Chemicals (GHS) Rev 9, 2021; Regulation EC No. 1272/2008 [EU-GHS/CLP]



Signal word

WARNING

Hazard Statements

H316 – Causes mild skin irritation
H317 – May cause an allergic skin reaction
H319 – Cause serious eye irritation
H412 – Harmful to Aquatic life with long lasting effects

General Precautionary Statements

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.

Prevention Precautionary Statements

P103: Read carefully and follow all instructions.
P261: Avoid breathing fumes and vapours.
P264: Wash hands and exposed skin thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.

Response Precautionary Statements

P280: Wear protective gloves/protective clothing/eye and face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P354 + P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P317: If skin irritation or rash occurs: Get medical help.
P337 + P317: If eye irritation persists: Get medical help.
P362 + P364: Take off contaminated clothing and wash it before reuse.

Storage Precautionary Statements

No storage statements.

Disposal Precautionary Statements

P501: Dispose of contents and container in accordance with national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS NO:	CONCENTRATION % (% Liquid w/v)	CLASSIFICATION EC 1272/2008
Synthetic resins	-	25	Not classified
Synthetic elastomers	-	20	Not classified
4-Nonylphenol branched, ethoxylated	127087-87-0	< 2	Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 2, H411
Preservative	55965-84-9	< 1	Skin Corr. 1C, H314; Eye Dam. 1, H318; Skin Sens 1, H317; Aquatic Acute 1 H400; Aquatic Chronic 1, H410

There are no additional ingredients present which, within the current knowledge of the provider of this SDS, and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. See section 16 for legend of additional H-phrases not in section 2.

4. FIRST AID MEASURES

Show this SAFETY DATA SHEET to a doctor.

GENERAL ADVICE: No special measures required. Take affected persons out into the fresh air and remove contaminated clothing.

INHALATION:

- Remove the victim from immediate source of exposure. Move victim to fresh air if it can be done safely. In case of unconsciousness, place patient on side for transportation and keep comfortable.
- If victim's breathing has stopped, perform artificial respiration.
- Administer oxygen if victim's breathing is difficult or irregular.
- Get immediate medical help.

SKIN:

- Remove and isolate contaminated clothing, shoes, and leather goods immediately and take a shower.
- Rinse affected areas (skin) immediately with non-abrasive soap or mild detergent and large amounts of running water. Wash contaminated clothing before reuse.
- Get medical help if irritation develops and persists.

EYES:

- Rinse eyes cautiously with clean running water for at least 15 minutes, while holding eyelids apart.
- Remove contact lenses after 5 minutes if present and easy to do.
- Continue rinsing while holding eyelids apart.
- Seek medical advice/attention.

INGESTION:

- If swallowed, DO NOT induce vomiting, unless instructed to do so by poison control center or doctor.
- Have person sip a glass of water if able to swallow
- Never give anything by mouth to an unconscious person.
- If vomiting does occur, keep on giving fluids. Get medical help.

NOTE TO PHYSICIAN:

- There is no specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient.

POTENTIAL HEALTH AFFECTS, ACUTE AND DELAYED

- Inhalation of vapor or mist in a closed space can cause headaches, irritation of nasal passages or lungs. Product is harmless if swallowed in small amounts.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Small fires: Dry chemical powder, carbon dioxide (CO₂), water spray or alcohol-resistant foam

Large fires: Water spray, fog, or alcohol-resistant foam

FIRE INVOLVING TANKS:

Cool containers with flooding quantities of water until well after fire is out. DO NOT get water inside containers. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire.

UNSUITABLE EXTINGUISHING MEDIA:

DO NOT use high volume water jet, due to contamination risk.

SPECIFIC EXTINGUISHING METHODS:

Fight fire from maximum distance. For massive fire, use unmanned hose holder or monitor nozzles. Collect contaminated extinguishing water separately; do not allow contaminated water to reach the sewage or effluent systems.

SPECIFIC HAZARDS ARISING FROM COMBUSTION PRODUCTS:

In case of fire, the formation of Carbon monoxide (CO), Nitrogen oxides (NO_x) can be expected.

PRECAUTIONS FOR FIRE FIGHTERS:

Fire fighters should wear full protective gear including self-contained breathing apparatus (SCBA). Fight fire from safe distance. Contact with the fumes and vapours should be avoided by staying upwind. Clean all clothing before reuse. Severely contaminated clothing cannot be adequately decontaminated and must be disposed as a hazardous waste. Shower with soap and water after contact with chemical product.

FURTHER INFORMATION:

- If possible, safely move undamaged intact containers away from the area around the fire.
- Keep containers cool by spraying with water if exposed to fire.
- Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
- In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK:

PERSONAL PRECAUTIONS:

Avoid contact with skin and eyes. Do not touch or walk through spilled material. Do not inhale spray or fumes.

PROTECTIVE EQUIPMENT:

Wear personal protective clothing and equipment (see section 8).

EMERGENCY PROCEDURES:

Keep people and animals away.

ENVIRONMENTAL PRECAUTIONS:

Use water spray to reduce vapours or divert vapour cloud drift.

PREVENT spilled material from entering waterway and sewer systems, basements, and confined areas. If the product contaminates rivers and lakes or waterways immediately inform respective authorities.

METHODS AND MATERIALS FOR CONTAINMENT:

Contain and absorb liquid spills with inert material, remove by scoop or vacuum. Use approved industrial vacuum cleaner for removal and place in clearly marked waste containers.

METHODS AND MATERIALS FOR CLEANING UP:

Contain spillage, and then collect with non-combustible absorbent material, (e.g., sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean, non-sparking tools to collect absorbed material.

SECONDARY DISASTER PREVENTION MEASURES:

NA

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

- Suitable Technical Measures
- Suitable Precautions
- Prevention of contact

- Always store in their original containers, which include the label listing ingredients, directions for use, and first aid steps in case of accidental poisoning.
- Never transfer to soft drink bottles or other containers. Children or others may mistake them for something to eat or drink.
- Wear suitable protective clothing which include chemical-resistant overalls, footwear, socks, dust mask, eye shields and gloves.
- Wash hands before eating, drinking, chewing gum, smoking, or using the toilet. Wash hands, arms, and face after application. Wash gloves and contaminated protective clothing daily before reuse.
- Keep out of reach of unauthorized persons, children, and animals. Always store in their original containers, tightly closed with original cap and the original label, in a cool, dry, and well-ventilated area out of direct sunlight at 5 – 35°C. Protect from freezing.
- DO NOT reuse the container for any other purpose.

CONDITIONS FOR SAFE STORAGE:

- Suitable Technical Measures
- Separation measures from incompatible substances and mixtures

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ADI – Acceptable Daily Intake

Not listed

AOEL – Accepted Operator Exposure Level

Not listed

NATIONAL EXPOSURE STANDARDS:

Not listed

BIOLOGICAL LIMIT VALUES:

Not available

ENGINEERING CONTROLS:

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. If airborne vapours are generated use local exhaust ventilation controls. **Facilities should be equipped with an**

PERSONAL PROTECTIVE EQUIPMENT:

eyewash station and a safety shower. Where necessary, seek additional occupational hygiene advice.

Respiratory Protection: Where exposure through inhalation may occur when handling in closed area, wear a face mask. If the product is used in confined spaces a respirator suitable for protection from dusts and mists of pesticides is adequate.

Hand Protection: Wear chemical-resistant gloves made of any waterproof material such as nitrile rubber. Glove thickness: 0.5 mm

Eye Protection: The use of safety goggles is recommended.

Skin and Body Protection: Wear suitable protective clothing which include chemical-resistant overalls, footwear, socks, dust mask, eye shields and gloves. Remove and wash contaminated protective clothing daily.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOUR:	Yellow
ODOUR:	Characteristic
MELTING POINT / FREEZING POINT °C:	No data
BOILING POINT:	No data
DECOMPOSITION TEMPERATURE (a.i):	No data
FLAMMABILITY:	Not flammable
EXPLOSIVE LIMITS:	Not relevant
FLASH POINT:	No data
AUTO-IGNITION TEMPERATURE:	No data
pH (1% IN WATER):	7.0 – 8.0
KINEMATIC VISCOSITY:	
Kinematic viscosity = $\frac{\text{Dynamic viscosity (mPa/s)}}{\text{Density (g/cm}^3\text{)}}$	Kinematic viscosity = 4124 – 4902 mm ² /s
VISCOSITY:	4000 – 5000 mPa/s
DENSITY / RELATIVE DENSITY:	0.97-1.02 (g/cm ³)
SOLUBILITY - WATER (a.i):	Miscible at any ratio
N-OCTANOL / WATER PARTITION COEFFICIENT (a.i):	No data
VAPOUR PRESSURE (a.i):	No data
RELATIVE VAPOUR DENSITY:	No data
PARTICLE CHARACTERISTICS: (SOLIDS)	Not applicable

10. STABILITY AND REACTIVITY

REACTIVITY:	Stable under normal conditions no reaction with fire-fighting water.
CHEMICAL STABILITY:	Stable under normal use and storage conditions for at least 2 years.
HAZARDOUS REACTION:	Hazardous polymerization is not expected to occur.
CONDITIONS TO AVOID: (e.g. – heat, pressure, static discharge, shock, or vibration)	Avoid storage in moist or hot conditions, near to heat or ignition sources. Keep away from food, drink and open bodies of water.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	When heated to decomposition, irritant or dangerous fumes/vapours may be emitted. See section 5.

11. TOXICOLOGICAL INFORMATION

		ANIMAL ACUTE TOXICITY DATA (ATE)
ORAL:		Not Classified
DERMAL:		Not Classified
INHALATION:		Not Classified
SKIN IRRITATION / CORROSION:	Causes mild skin irritation.	Category 3
SERIOUS EYE IRRITATION / DAMAGE:	Causes serious eye irritation	Category 2A
RESPIRATORY OR SKIN SENSITIZATION:	May cause an allergic skin reaction	Category 1

GERM CELL MUTAGENICITY:		Not Classified
CARCINOGENICITY:	Not carcinogenic	Not Classified
REPRODUCTIVE TOXICITY:		Not Classified
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:		Not Classified
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:		Not Classified
ASPIRATION HAZARD:		Not Classified

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

	Birds: LD ₅₀ (oral)	No data
	Fish: LC ₅₀	No data
	Aquatic invertebrates	No data
	Aquatic crustaceans	No data
	Algae - EC ₅₀ / NOEC	No data
	Bees	No data
	Earthworms: LC ₅₀ / NOEC	No data
AQUATIC TOXICITY:	Summation Method	
	Aquatic Chronic – Category 3	
PERSISTENCE, DEGRADABILITY AND MOBILITY:	No data	
BIO-ACCUMULATIVE POTENTIAL:	None expected	
SOIL MICRO-ORGANISMS:	Carbon transformation	No significant adverse effects expected
	Nitrogen transformation	No significant adverse effects expected

13. DISPOSAL CONSIDERATIONS

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities.

Emptied containers can be washed with soap and water. Dispose of in a licensed recycling or refuse facility. Crushing, puncturing or other means to prevent unauthorized use of used containers, recommended.

14. TRANSPORT INFORMATION

UN NUMBER:	Not regulated for transport
UN PROPER SHIPPING NAME:	Not applicable
TRANSPORT HAZARD CLASS(ES):	Not applicable
PACKING GROUP:	Not applicable
TRANSPORT PICTOGRAMS:	Not applicable
ENVIRONMENTAL HAZARD:	Marine Pollutant: Yes, category 3.
TRANSPORT IN BULK:	Not applicable, not to be transported in bulk.
SPECIAL PRECAUTIONS FOR USER:	Not applicable

15. REGULATORY INFORMATION

Conform to South African Regulation for Hazardous Chemical Agents, 2021.
SDS valid for five years from date of issue.

16. OTHER INFORMATION

Legend: Full text of H-Statements referred to under sections 3:

H314 – Causes severe skin burns and eye damage

H315 – Causes skin irritation

H318 – Causes serious eye damage

H400 – Very toxic to aquatic life

H410 – Very toxic to aquatic life with long lasting effects

Key literature references and sources of data: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 9, 2021. UN Model Regulations Rev. 22

(2021). EU REGULATION (EC) No. 1272/2008.

This Safety Data Sheet (SDS) summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how to prevent accidents in the normal workplace including in conjunction with other products.

The information was obtained from sources which we believe are reliable. However, the information is provided in good faith. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and for these reasons we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used for this product only.

First Edition Date: First print date: 2 June 2016

Issue: 2.1 – 15 November 2023 (update to GHS 2021, SA Regulation for Hazardous Chemical Agents, 2021).

END of SDS