MATERIAL SAFETY DATA SHEET (MSDS)

BINH AN BIOFUEL JOINT STOCK COMPANY
BAU DIA HAMLET, PHU TRUNG COMMUNE, DONG NAI CITY, VIETNAM
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CASHEW NUTSHELL LIQUID

Company/undertaking identification **BINH AN BIOFUEL JOINT STOCK COMPANY**

1. PRODUCT IDENTIFICATION

Product Name: Cashew nutshell liquid (Refined, De-Carboxylated). Chemical
Chemical/ Common Name: Distilled anacardium pericarp extract (Cashew nutshell liquid)
US INCI Name: Anacardium occidentale (cashew) seed oil
EU INCI Name: Anacardium occidentale
CAS: 8007-24-7
Manufacturer: **BINH AN BIOFUEL JOINT STOCK COMPANY**
Add: Bau Dia hamlet, Phu Trung commune, Dong Nai city, Vietnam.
Emergency call number: +84 392.678.626

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS Number	EINECS Number	Proportions (%W/W)
Cashew nutshell liquid	8007-24-7	Not Allocated	100% pure

Family: Alkyl Phenol
Appearance: Dark Reddish-Brown Liquid

3. TECHNICAL DATA

Cashew nutshell liquid is versatile by the product of the cashew industry. The Cashew Nut has a shell of about 1/8-inch thickness inside which is a soft honeycomb
structure containing a dark reddish brown viscous liquid. It is called Cashew nutshell liquid, which is the pericarp fluid of the cashew nut. It is often considered as the better and cheaper material for unsaturated phenols

4.APPLICATIONS

Some common Applications
Manufacturing of C.N.S.L Based Resins, Varnishes
Manufacturing of Cardanol (Card Phenol)
Manufacturing Foundry Resins
Manufacturing of Anti Corrosive Lining Chemicals
Manufacturing of Acid-resistant Paints Manufacturing of insecticides and Fungicides Manufacturing of Rubber Compounding Resins Manufacturing of Cashew Lacquaers
Manufacturing of Enamels/ Paints

5. STORAGE & HANDLING

Storage Procedure:
Protect containers from physical abuse
Keep the container tightly closed.
Store in a cool dry-well ventilated storage area.
Keep separate from incompatibles
Precautions during storage: Store in a well-ventilated place, protected from the sunlight. Individual protective measures: Prolonged contact with the skin is not recommended and personal handling the product is recommended to use safety glasses. Any Spray in the eye or on the skin must be referred to Doctor immediately

6. TRANSPORT INFORMATION

General Information: This confirms that, the goods are in proper condition for transportation and it is non-hazardous substance. There is no restriction to transportation in road, rail, air and ocean as per IATA / ICAO regulation.

6.1. Transportation:

Transport by Road and Rail (ADR/RID): Not dangerous

Maritime transport (IMDG code): Not dangerous

Inland navigation (ADNR): Not dangerous

Air Freight (ICAO): Not dangerous

No special transport required

Not to be transported with classes 1(Explosives), 2.1 (Flammable Gases) (nb this applies only when in bulk), 2.3 (poisonous Gases), 2.4 (Spontaneously Combustible Substances), 5.1 (Oxidizing Agents), 5.2 (Organic Peroxides), 7 (Radioactive Substances)

6.2. Proper Shipping Name: Not Regulated

6.3. UN Number: Not allocated

6.4. Packing Group: Not allocated

6.5. DG Class: Not allocated

6.6. Poison Schedule: Not Schedule

6.7. Hazchem Code: Not allocated

IATA:

UN Number: NA

UN Proper Shipping Name: NA

Transport Hazard Class: NA

Packing Group : NA

Environmental Hazards: NA

Special Precautions For Use :NA

7. ACCIDENTAL RELEASE, SPILL & LEAKAGE PROCEDURE

Environmental Precautions:

Stop the flow of material, if this is without risk. Eliminate the source of ignition.

Ventilate the contaminated area. Contain the spill and prevent the material from obtaining access to any confined spaces.

Measures after leakage: Dispose this off as per the local regulations.

Do not discharge in sewer system. Disposal should be in accordance with local state or national legislation.

Extinguishing Media: C02, dry chemical powder

8. REACTIVITY DATA:

Stability: Stable

Conditions to Avoid: N.A

Incompatibility: N.A.

Hazardous Decomposition or by products: N.A

Hazardous Polymerization: Will not occur

Conditions to avoid: N.A.

9. FIRE AND EXPLOSION DATA:

Flash Point: above 100 degrees Celsius

Boiling Point: Above 300 Degree Celsius

10. HAZAROUS IDENTIFICATION

Harmful if swallowed, inhaled or absorbed through skin

May cause severe respiratory and digestive track irritation

Causes severe eye and skin burns

11. EMERGENCY & FIRST AID PROCEDURE

EYE: Wash with plenty of eyewash and obtain medical help.

SKIN: Wash with oil or petrol.

INHALATION: The affected person should be moved to fresh air and made to rest

INGESTION: Induce vomiting, treat symptomatically.

12. PRECAUTIONS FOR SAFE HANDLING AND USE:

Step to be taken in case of spill: Observe precautions from other sections. Cover with absorbent material. Collect spilled material. Clean up residue with an appropriate solvent. Place it in a leak proof container and seal.

Waste disposal method: Incinerate in an industrial or commercial facility. Precautions in handling and storing: Avoid heat and flame. Avoid all contact with eyes and skin. Use in well-ventilated area. Avoid prolonged breathing of fumes.

Immediately remove all contaminated clothes and wash properly before use. When cured above 300F may release vapor may cause skin irritation

Other precautions: N.A.

13. ECOLOGICAL INFORMATION : Environmental Fate: N.A.

14. TOXICITY INFORMATION: Toxic: N.A. Anticipated: N.A

15. CONTROL MEASURES:

Ventilation: Local ventilations recommended.

Protective gloves: Rubber gloves.

Respiratory protection: Local ventilation recommended.

Eye Protection: Safety glasses or goggles Other

Protective clothing: N.A

Hygiene practices: N.A

16. OTHER INFORMATION:

Disclaimer

The data information and suggestions contained herein are given purely as a guide **BINH AN BIOFUEL JOINT STOCK COMPANY**

Undertakes no responsibility for the results derived from their adoption. Buyers and users should make their own assessment of our product under their own conditions of usage and for their own requirements.

This supersedes all previous technical literature on this product by N.A-
Not Applicable N/A- Not Available

Dong Nai, November 18th, 2026

BINH AN BIOFUEL JOINT STOCK COMPANY

