

## MATERIAL SAFETY DATA SHEET

### Green Plastic ABBH-CR02T

#### Section 1 – Material / Company Identification

Trade Name	Green plastic ABBH-CR02T
Chemical Nature	Biomass Filled ABS
Company	THIEN LONG LONG THANH MANUFACTURING – TRADING COMPANY LIMITED. Road No.7, Long Thanh Industrial Park, Tam An Commune, Long Thanh Rural District, Dong Nai Province, Vietnam
Emergency Contact	+84 251 3 514 367
Effective Date	April 9, 2024 (Rev:58)

#### Section 2 – Composition / Information on Ingredients

Substance / Mixture	Mixture
Chemical Name	Agricultural By-product Filled ABS plastic.
Synonyms	Biomass Filled ABS.

	Common Chemical Name	CAS No.	% [weight]
1	Bran and rice husk	-	20 ~ 35
2	2-Propenenitrile polymer with 1,3-butadiene and ethenylbenzene	9003-56-9	30 ~ 50
3	Additives	Secret	5 ~ 20

Product contains high molecular weight polymers, and is not expected to be chemically active under normal conditions of handling and processing

#### Section 3 – Hazards Identification

<b>Acute Health Effect</b>	<p><b>Ingestion:</b> Not available.</p> <p><b>Skin:</b> Not irritant. Contact with molten material may cause thermal burns.</p> <p>Processing fumes may cause irritation.</p> <p><b>Eye:</b> Not irritant.</p> <p><b>Inhalation:</b> Processing fumes may cause irritation to the respiratory tract.</p>
<b>Chronic Health Effects</b>	Toxicity to Animals: Not available.

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#### Section 4 – First-aid Measures

<b>Skin Contact</b>	Any molten materials on the skin should be cooled as quickly as possible, for example in water. Seek immediate medical attention.
<b>Eye Contact</b>	In case of eye contact with molten material, irrigate eye to cool and seek immediate medical attention. In the case of eye contact with cold material, which is an inert solid, remove as one would any foreign object. Avoid rubbing the eyes. In case of eye irritation, seek medical attention.
<b>Inhalation</b>	In case of exposure to vapors or fumes at elevated temperatures, remove to fresh air immediately. In case of indisposition or prolonged exposure, seek immediate medical attention.
<b>Ingestion</b>	Induce vomiting immediately with fingers or similar object. Seek medical attention, if necessary.

#### Section 5 – Fire-Fighting Measures

<b>Suitable extinguishing agents</b>	Water spray, dry chemical, foam or carbon dioxide. DO NOT use water jets for large fires.
<b>Hazards during fire-fighting</b>	Carbon monoxide, carbon dioxide.
<b>Special Protective Equipment for Firefighters</b>	Wear goggles and positive pressure, self-contained breathing apparatus and full protective equipment.

#### Section 6 – Accidental Release Measures

<b>Personal Precautions</b>	Keep away from sources of ignition. Spilled material may present a slip hazard on hard surfaces. Wear personal protective equipment to avoid inhalation and skin contamination.
<b>Environmental Precautions</b>	Discharge into the environment must be avoided.
<b>Methods for Cleaning</b>	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Pellets on the floor could present a serious slipping problem. Good housekeeping must be maintained at alltimes to avoid this hazard. Sweep, shovel, or vacuum material into clean containers.

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#### Section 7 – Handling and Storage

<b>Handling</b>	Keep away from possible ignition sources such as open flames and spark producing equipment. Provide general and/or local ventilation.
<b>Storage</b>	Ensured that bags are not damaged. Store in dry warehouse at a temperature below 50°C. Avoid storage in direct sunlight or at wet atmosphere. Keep away from flame, spark producing equipment, moisture, acid, alkaline or oxidizing material.

#### Section 8 – Exposure Controls/ Personal Protection

<b>Exposure limit(s)</b>	Value not tested.
<b>Exposure control</b>	Ventilation, enclosures, or other controls may be needed to keep air borne contaminants below exposure limits.
<b>Respiratory protection</b>	Wear respiratory protection if ventilation is inadequate. Breathing protection device if dust is formed.
<b>Hand protection</b>	Protective gloves.
<b>Eye protection</b>	Chemical workers goggles recommended.
<b>Skin protection</b>	Protect skin against contact with molten material.

#### Section 9 – Physical and Chemical Properties

<b>Physical State</b>	Solid.
<b>Color</b>	Slightly yellow to Beige (Textured).
<b>Softening Point</b>	> 80°C
<b>Melting point/Freezing point</b>	Not available.
<b>Boiling Point</b>	Not applicable.
<b>Flash Point</b>	Not available.
<b>Solubility in Water</b>	Insoluble.
<b>Odor</b>	Slight odor.
<b>Specific Gravity</b>	1.18 – 1.25 (Water =1)

#### Section 10 – Stability and Reactivity

<b>Stability</b>	This material is stable under recommended storage and handling conditions.
<b>Conditions to Avoid</b>	Avoid contact with incompatible materials and condition. Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces.
<b>Materials to Avoid</b>	Strong oxidizing agents, moisture, acid and alkaline.

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<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide and organic vapors.
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#### Section 11 – Toxicological Information

<b>Acute toxicity</b>	No relevant information available.
<b>Eye Effects</b>	Product is not considered primary eye irritant.
<b>Skin Effects</b>	Product is not considered primary skin irritant.
<b>Irritant Property</b>	Gas generated during heating and drying may irritate eyes and skin.
<b>Acute Oral Effects</b>	Not available.
<b>Carcinogenicity</b>	Not available.

#### Section 12 – Ecological Information

- No specific ecological information is available.

#### Section 13 – Disposal Considerations

- The pellets regrind, and purge of this material are nonhazardous and may be discarded in accordance with state, federal, and local regulations.

#### Section 14 – Transport Information

- The description shown may not apply to all shipping situations.

Regulatory information	UN number	Class	Packing group	Label	Proper Shipping Name
US DOT	Not regulated				
ADR/RID	Not regulated				
IMOG CODE	Not regulated				
ICAO/IATA	Not regulated				

#### Section 15 – Regulatory Information

- The material is not subject to classification according to EC lists and other sources of literature known to us.

#### Section 16 – Other Information

- The MSDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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- This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only.
  - It should not therefore be construed as guaranteeing any specific property of the product.

