

MATERIAL SAFETY DATA SHEET

Date Prepared: January 1, 2008

Date Revised: 1st Edition

Declaration conditions: information declared by resin manufacturer

1. Products & Company's Profile

Product Name	Bioval BBB
Product Type	Airsoft BB Ammunition
Distributor	Airsoft Assist
Address	

Information Phone

Information Fax

2. Chemical composition

Component name	% by wt	CAS Reg No
Starch Derivative	66.12%	
Protein	8.84%	
Oil/Fat	4.24%	
Crude Fiber	2.67%	
Ash	1.29%	
Sugars	1.84%	
Moisture	15%	

3. Hazardous Information

Dangerous high velocity airsoft bb ammunition. Certified high velocity impact and ballistic eyewear and face protection must be worn at all times. May cause serious injury or death if handled without due diligence. May cause serious damage to material damage to targeted areas.

Flammable - will ignite if in contact to open flames for extended periods of time.

Corrosive - No

Explosive - No

Reactive - No

Toxic - No

4. Physical Chemical Characteristics

Odor - Odorless

Boiling point - Not applicable

Melting point range - 135° ~ 185° centigrade

Vapor pressure - Not applicable

Vapor density - Not applicable

Specific gravity (H₂O = 1) - 1.75 ~ 1.95

Solubility in water - Not soluble

Solubility in other liquid - Soluble in hot aromatic, chlorinated solvent

Viscosity - Not applicable

PH - Not applicable

Flash point - Not applicable

Flammability limits - Not applicable

Auto ignition temperature - Not applicable

5. Stability and reactivity

Stability – Stable.

Incompatible materials – Hot aromatic, chlorinated solvents and hot strong oxidants.

Condition to avoid – Not applicable

Hazardous decomposition – Carbon monoxide and carbon dioxide may be generated by product if burned.

Hazardous polymerization – Will not occur.

6. FIRST AID

Ballistic Impact Eye – seek immediate medical attention.

Eye – If irritation develops, seek medical attention immediately.

Skin – If irritation develops, seek medical attention immediately.

Burn – If in contact with hot molten resin, flush the wounded area with plenty of cold water to cool down skin and quickly seek medical attention. Do not stop flushing until medical specialists arrive.

Inhalation – If exposed to the thermal decomposition gas, evacuate the exposed person to fresh air environment and seek medical attention immediately.

Ingestion – If illness or adverse symptoms develop, seek medical attention immediately.

7. Fire Fighting Measure

Suitable fire fighting agents – Water spray, foam, carbon dioxide, dry chemicals

Precautions – Molten resin will flow and will catch fire if exposed to open flames.

Protective clothing – Wear appropriate safety equipment for firefighting conditions including, but not limited to, a self contained certified firefighting breathing apparatus and certified protective fire-fighting garments.

8. Accidental Release and countermeasure

Spilled pellet – slipping hazard. Collect and discard immediately. Keep out of water sources and sewers.

Molten resin spillage – cool with water then dispose of accordingly. Protective gloves, eyewear and clothing are mandatory.

9. Handling and Storage

Handling – Wear appropriate personal protection equipment. Material is in solid form and is non-hazardous. No risk to the health of operators when handling at room temperature. During processing, avoid inhalation of the fumes and vapors.

Storage – Store away from open flames and hot environments. Do not allow dust accumulation on bbs. Avoid contact with water, hot aromatic, chlorinated solvents and other hot strong oxidants.

10. Exposure and Protection

Protection – wear certified high velocity impact and ballistic eyewear and face protection at all times. Wear appropriate body protection.

Route of entry and effect of Inhalation – Vapors are unlikely to be produced at room temperature.

Resin Dust – may produce irritation to the mucous membrane of the nose, throat and upper respiratory tract.

Skin contact – Essentially non-irritating but in contact with hot molten resin will cause severe burns

Ingestion – May cause choking if swallowed. Do not swallow. Do not eat.

Acute effects – No known applicable information

Chronic effects – No known applicable information
Permissible exposure level – No known applicable information
Biodegradability – No known applicable information
Aquatic toxicity – No known applicable information
Mobility – No known applicable information
Bio-accumulative potential – No known applicable information

11. Transportation

Common	See section 9
On Land	See section 9
On Sea	See section 9
On Air	See section 9

12. Packaging

Available in various types of commercial packaging.

13. Disposal Method

Disposal method – authorized landfill site or incineration depending on local applicable laws and regulations.

14. Regulatory Information

Conforms to EU standards

Disclaimer: This information is provided without warranty. The information is provided by the resin manufacturer. This information should be used to make an independent determination of the methods to safeguard workers and the environment.