



**Safety Data Sheet for STARTECH
Model Rocket Starter**

According to ISO 11014:2009

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Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: STARTECH Model Rocket Starter

Relevant identification uses of the substance and uses advised against:

Identified uses: Model rocketry.

Uses advised against: No other uses are advised.

Details of the Supplier of the Safety Data Sheet:

Estes Industries
1295 H Street
Penrose, CO 81240
+1-719-372-2059
hbrown@estesrockets.com

Emergency telephone numbers:

24-hour Emergency Contact:
CHEMTREC 24-hour: +1-800-424-9300 (USA)

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories:

Not classified as hazardous.

Label elements:

Hazard Pictograms: Not applicable.

Signal Word: Not applicable.

Hazard Statements: Not applicable.

Precautionary Statements: Not applicable.



Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	Classification EC1272/2008	
	EC-No.			
aluminium powder (stabilised)	7429-90-5	<10%	Flam. Sol. 1	H228
	231-072-3		Water-react. 2	H261
magnesium powder (pyrophoric)	7439-95-4	<10%	Pyr. Sol. 1	H250
	231-104-6		Water-react. 1	H260
Vinyl butyral-vinyl acetate-vinyl alcohol polymer	27360-07-2	<10%	Not classified	
	608-089-3			
Bismuth	7440-69-9	<10%	Not classified	
	231-177-4			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

In case of inhalation: Not an established exposure route.

In case of skin contact: Wash off with soap and plenty of water. In case of discomfort seek medical attention.

In case of eye contact: Flush eyes thoroughly with water. In case of discomfort seek medical attention.

In case of ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. In case of discomfort seek medical attention.

Most important symptoms and effects, both acute and delayed:

None known.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguishing media: Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Special protective equipment for fire-fighters: Use self-contained breathing apparatus.



Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Do not discharge into the drains/surface waters/groundwater.

Methods for containment and cleaning up:

Take up mechanically; Send in suitable containers for recovery or disposal.

Section 7: Handling and Storage

Precautions for safe handling:

Advice on safe handling: Avoid dust formation.

Conditions for safe storage, including incompatibilities:

Store in a cool, dry place.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Exposure controls:

Appropriate engineering controls: No data available.

Individual protection measures, such as personal protective equipment:

Respiratory protection: No special protective equipment required.

Hand protection: No special protective equipment required.

Eye protection: No special protective equipment required.

Skin protection: No special protective equipment required.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Solid.

Color: Grey.

Odor: Odorless.

Odor threshold: No data available.

pH (concentration): No data available.

Melting point/range (°C): No data available.

Boiling point/range (°C): No data available.

Flash point (°C): No data available.

Evaporation rate: No data available.

Flammability: No data available.

Upper/lower flammability/explosive limits: No data available.

Vapor pressure (20 °C) No data available.



Vapor density: No data available.
Relative density (25 °C): No data available.
Water solubility (g/L) at 20 °C: No data available.
n-Octanol/Water partition coefficient: No data available.
Auto-ignition temperature: No data available.
Viscosity, dynamic (mPa s): No data available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability: Stable under recommended conditions of storage.
Possibility of hazardous reactions: Hazardous polymerization is not expected to occur.
Conditions to avoid: No data available.
Materials to avoid: No data available.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity: No data available.
Skin corrosion/irritation: No data available.
Serious eye damage/irritation: No data available.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: Not data available.
Reproductive toxicity: No data available.
STOT-single exposure: No data available.
STOT-repeated exposure: No data available.
Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Product: Dispose of in accordance with local regulations.
Packaging: Dispose of as unused product.



Section 14: Transport Information

UN number: Not regulated as dangerous goods.

Proper shipping name: Not regulated as dangerous goods.

Hazard class: Not regulated as dangerous goods.

Packing group: Not regulated as dangerous goods.

Special precautions for user: Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR.

Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.

EU Regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

US Regulations:

SARA Title III Section 302/304 Extremely Hazardous Substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III Section 311/312 Hazard Categorization: Not applicable.

SARA Title III Section 313 Supplier Information:

Aluminum (fume or dust), CAS 7429-90-5

CERCLA Section 102(a) Hazardous Substance: This material does not contain any chemical components with CERCLA reportable quantities.

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text):

H228 Flammable solid.

H250 Catches fire spontaneously if exposed to air.

H260 In contact with water releases flammable gases which may ignite spontaneously.

H261 In contact with water releases flammable gases.

Training instructions: Use as instructed.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.