



**MATERIAL SAFETY DATA SHEET &
EMERGENCY RESPONSE INFORMATION**

Revised: 4/12/02

Manufacturer: AeroTech, Inc.
Address: 3100 E. Charleston Blvd., Suite 123
Las Vegas, NV 89104
**Emergency Response
Telephone Number:** (800) 535-5053 (Domestic), (352) 323-3500 (Int'l)

SECTION I - PRODUCT IDENTIFICATION

Product Name: Hobby Rocket Motor Reload Kits
Synonyms: RMS™ Model Rocket and "Easy Access" Reload Kits,
"Lite" Reload Kits, "KBA" Reload Kits, Toy Propellant
Device
**Basic Description:
(Domestic)** Model rocket motor, 1.4S, NA0323, PG II
(30 grams or less per grain)

SECTION II - HAZARDOUS INGREDIENTS

Solid propellant reload kits contain propellant and delay charge module(s) which consist primarily of ammonium perchlorate (NH₄ClO₄) dispersed in synthetic rubber. Solid propellant reload kit ejection charges contain small quantities of black powder. All reload kits also contain a variety of inert components of various shapes and sizes.

SECTION III - PHYSICAL DATA

Boiling Point Range: Decomposes
Specific Gravity: Propellant ranges from .058 to .076 lb/cubic inch
Appearance: Plastic bags containing various colored parts
Odor: Slight to none
Physical State: Solid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Autoignition Temp.:	550 Deg. F
Flammability Class:	Flammable
Extinguishing Media:	Water only
Special Fire Proc.:	Fire action: Water. Protect against toxic fumes.
Unusual Fire Hazard:	Burning propellant gives off hydrogen chloride gas.
Unusual Explosion Hazard:	None Anticipated

SECTION V - HEALTH HAZARD DATA

Effects of Overexposure

Acute: None Known.

Chronic: None Known.

Overexposure -

Eyes: Ammonium perchlorate is a mild irritant to the skin, eyes, mucous membranes and the digestive tract.

Skin: Ammonium perchlorate is a mild irritant to the skin, eyes, mucous membranes and the digestive tract.

Inhalation: No information available.

Ingestion: Ammonium perchlorate is a mild irritant to the skin, eyes, mucous membranes and the digestive tract.

SECTION VI - EMERGENCY FIRST AID PROCEDURES

Ingestion:	If swallowed, induce vomiting. Call a physician.
Inhalation:	Avoid breathing exhaust fumes.
Skin Contact:	For mild exhaust burns use a first aid burn ointment. For severe burns see a physician immediately.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Note to Physician:	Chemical of exposure is ammonium perchlorate, a mild gastric irritant.

SECTION VII - REACTIVITY DATA

Conditions to Avoid:	Heat (propellant autoignites at 550 Deg. F).
Incompatibility:	Acids
Haz. Decomp. Products:	Oxides of carbon, sulphur dioxide, hydrogen chloride gas

SECTION VIII - SPILL OR LEAK PROCEDURES

Spills:	Replace reload kits in boxes and seal securely.
Waste Disposal Method:	Load reload kit into motor hardware. Pack motor firmly in hole in ground with nozzle pointing up. Ignite motor electrically and wait 5 minutes before approaching. Dispose of spent reload components in inert trash.

SECTION IX - SPECIAL PROTECTION INFORMATION

Ventilation Requirements:	None. Do not use reload kits indoors.
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Specific Personal Protective Equipment

Respiratory:	None. Avoid breathing exhaust fumes.
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Other Handling and Storage Requirements:

Store reload kits away from sources of heat and highly flammable materials.