

## **ISP Division, RCS Rocket Motor Components, Inc.**

### **Material Safety Data Sheet & Emergency Response Information**

Prepared in accordance with 29 CFR § 1910.1200 (g)

#### **Section 1. Product Identification**

Rocket motor, RDS rocket motor, composite rocket motor, rocket motor kit, rocket motor reloading kit, containing varying amounts of solid propellant. These products contain varying percentages of Ammonium Perchlorate dispersed in synthetic rubber with lesser amounts of proprietary ingredients such as burn rate modifiers and metal fuels.

#### **Section 2. Physical Characteristics**

Aluminum or black plastic cylinders or bags with various colored parts, little or no odor

#### **Section 3. Physical Hazards**

Rocket motors and reload kits are flammable, rocket motors may become propulsive in a fire. Propellant gives off varying amounts of Hydrogen Chloride and oxides of Carbon when burned.

#### **Section 4. Health Hazards**

Propellant is an irritant in the case of skin and eye contact, may be hazardous in the case of ingestion, and may be toxic to kidneys, lungs and the nervous system. Symptoms may include respiratory irritation, skin irritation, muscle tightness, vomiting, diarrhea, abdominal pain, muscular tremors, weakness, labored breathing, irregular heartbeat, convulsions. Inhalation of large amounts of combustion products may produce similar but lesser symptoms as ingestion.

#### **Section 5. Primary Routes of Entry**

Skin contact, ingestion, inhalation.

#### **Section 6. Permitted Exposure Limits**

None established for manufactured product.

## **Section 7. Carcinogenic Potential**

None known.

## **Section 8. Precautions for Safe Handling**

Keep away from flames and other sources of heat. Do not smoke within 25 feet of product. Do not ingest. Do not breathe exhaust fumes. Keep in original packaging until ready for use.

## **Section 9. Control Measures**

See section 8.

## **Section 10. Emergency & First Aid Procedures**

If ingested, induce vomiting and call a physician. If combustion products are inhaled, move to fresh air and call a physician if ill effects are noted. In the case of skin contact, wash area immediately and contact a physician if severe skin rash or irritation develops. For mild burns use a first aid burn ointment. For severe burns immerse the burned area in cold water at once and see a physician immediately.

## **Section 11. Date of Preparation or Revision**

December 3, 2008

## **Section 12. Contact Information**

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