



## SAFETY DATA SHEET

Revision: 07/28/15 Replaces version: 12/18/13

### SECTION 1- IDENTIFICATION OF SUBSTANCE

Classification: ALUMINUM PARTICULATES

Product(s) Name: RSA- xxx(x)- xx(x); AL SHOT/ NEEDLES. K-1xx- (xxxx); AL FLAKE/ GRANULES

Family: Inert Material/ Metal

### SECTION 2- HAZARDS IDENTIFICATION

Not hazardous in solid form. Fines and/ or particles from processing may be readily ignitable. Fine particles and molten metal are highly reactive with water, oxidizers, acids, alkalis, halogenated compounds and certain metal oxides

### SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

Identity	CAS No.	OSHA PEL mgm/ m <sup>3</sup>	ACGIH- TLV mgm/ m <sup>3</sup>	% By Weight
Aluminum	7429- 90- 5	--	10.0	94.5
Silicon	7440- 21- 3	--	10.0	9.4 max
Copper	7440- 50- 8	--	00.1 (fume)	1.0 max
Zinc	7440- 66- 6	5.0 (fume)	5.0 (ZnO fume)	1.0 max
Other	Not Hazardous	--	--	1.1 max

### SECTION 4- FIRST AID MEASURES

Inhalation of dust: In case of discomfort, remove to a ventilated area. If discomfort persists, consult a physician.

Skin contact: In case of discomfort, rinse with water. If discomfort persists, consult a physician.

Eye contact: Flush eyes thoroughly with water. If discomfort persists, consult a physician.

Ingestion: Not applicable

### SECTION 5- FIRE FIGHTING MEASURES

Flashpoint: N/A Auto Ignition Temp: N/A Flammability Limits: N/A

Extinguishing Media: Dry earth, sand, or Class D media ONLY. Do not use halogenated extinguishing media.

Fire Fighting Procedures: Wear full protective clothing. Use fire fighting materials and procedures adapted to the immediate environment.

### SECTION 6- ACCIDENTAL RELEASE MEASURES

Solid form: Recycle unused/ scrap product if possible.

### SECTION 7- HANDLING AND STORAGE

Storage: Product should be kept dry. DO NOT STORE OUTSIDE.

Spills: No special handling is required.

Waste Disposal: Recycle unused/ scrap product.

## **SECTION 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION**

Ventilation: Local and/ or exhaust.

Eye Protection: Safety glasses

Respiratory Protection: No special protection is required for product as shipped.

## **SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

Physical appearance/ form: Silver to Gray. Odorless. Solid, (Flake, Granule, Shot, Needle).

Melting point: 1050- 1220°F (565- 660°C)

Boiling point: 3733°F (2056°C)

Flash Point: N/A

NFPA fire code: 0

Specific gravity: 2.71

pH: N/A

Water solubility: N/A Vapor pressure/ density: N/A

## **SECTION 10- STABILITY AND REACTIVITY**

Stability: Material is stable and non- reactive under normal condition of use, storage, and transport.

STORE INDOORS, KEEP DRY. DO NOT ALLOW DUST TO ACCUMULATE.

Heat generation and release of flammable hydrogen gas may occur when exposed to water, strong oxidizers, acids and alkalis, and halogenated compounds. A violent thermite reaction may occur if exposed to certain metal oxides, (ie. iron oxide, (rust), or copper and lead oxides.)

## **SECTION 11- TOXOLOGICAL INFORMATION**

Aluminum in solid form does not present any acute health effects.

## **SECTION 12- ECOLOGICAL INFORMATION**

Aluminum and its alloys under solid form, such as manufactured items, do not present any environmental hazard.

Exotoxicity: Not demonstrated using OECD protocol.

Biodegradability: N/A

## **SECTION 13- DISPOSAL CONSIDERATIONS**

Reuse or recycle material whenever possible. Recycle or dispose of material in accordance to local, state, or federal regulations.

## **SECTION 14- TRANSPORT INFORMATION**

There are no special handling/ shipping procedures for this product.

## **SECTION 15- REGULATORY INFORMATION**

USA: Section 313: This product contains no chemicals in concentrations subject to reporting requirements of section 313 of the Emergency Planning and Community Right- To- Know Act, (EPCRA Title III of SARA) and 40 CFR 372.

EU: Warning Symbol(s); Risk Phrase(s); Safety Phrase(s). N/A

## **SECTION 16- OTHER INFORMATION**

This Safety Data Sheet is in accordance with-

OSHA (USA), WHMIS (Canada), and EC Directive 2001/58/EC (Europe)

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