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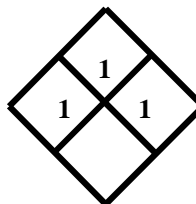
Material Safety Data Sheet

MSDS No: 6732

**1. PRODUCT IDENTIFICATION**

Trade Name: RP 39 Aluminum Grain

Chemical Family: Aluminum Metal



NFPA RATING

|                      |   |
|----------------------|---|
| Health:              | 1 |
| Flammability:        | 1 |
| Reactivity:          | 1 |
| Personal Protection: |   |

HMIS RATING

Intended Use or Product Type: Aluminum grain

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

| O<br>S<br>H<br>A | CAS No.       | CHEMICAL IDENTITY      | EXPOSURE LIMITS |      |         |      | CARCINOGEN STATUS |      |     |      |
|------------------|---------------|------------------------|-----------------|------|---------|------|-------------------|------|-----|------|
|                  |               |                        | ACGIH           |      | OSHA    |      | MFR.              | IARC | NTP | OSHA |
|                  |               |                        | TWA             | STEL | PEL     | STEL |                   |      |     |      |
| *                | 7429-90-5     | Aluminum               | 2 mg/m3         | NE   | 5 mg/m3 | NE   | NE                | NR   | NR  | NR   |
|                  | Concentration | 60.00 - 100.00 % by wt |                 |      |         |      |                   |      |     |      |

NE = Not Established NR = Not Reviewed \* = OSHA Hazardous Ingredient

**3. HAZARDS IDENTIFICATION**

**Emergency Overview:** In accord with good industrial practice, handle with due care. Dust hazard. Avoid dusty conditions. Avoid breathing dust. Use with adequate ventilation.

**Primary Route(s) of Entry:** Dermal or inhalation

**4. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

**Inhalation:** Remove to fresh air. Seek immediate medical attention.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.



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**Overexposure Effects:** Aluminum is practically inert with little degree of toxicity.

**Medical Conditions Aggravated by Exposure:** Skin and eye conditions.

**Additional Information:** Referral to a physician is recommended if there is any question about the seriousness of any injury.

## **5. FIRE FIGHTING MEASURES**

|   |                 |
|---|-----------------|
| <b>Flash Point:</b>                                   | Not Applicable  |
| <b>Flammable Limits in Air (Lower - % by volume):</b> | Not established |
| <b>Flammable Limits in Air (Upper - % by volume):</b> | Not established |

**Fire Fighting Extinguishing Media:** Carbon dioxide, dry chemical, foam.

**Fire Fighting Equipment:** Use self-contained breathing apparatus.

**Fire and Explosion Hazards:** Aluminum dust can be ignited by static discharge.

## **6. ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** Sweep up into approved disposal container. Thoroughly vacuum area. Do not create dusty condition.

## **7. HANDLING AND STORAGE**

**Signal Word:** Caution!

**Precautions:** Dust hazard. Avoid dusty conditions. Avoid breathing dust. Use with adequate ventilation. Use normal industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

**Other Handling Information:** Nuisance dust may be generated when sanding or sawing cured material.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Skin Protection:** Wear canvas gloves as a standard handling procedure.

**Respiratory Protection:** Use NIOSH approved dust mask, if required during machining.

**Eye Protection:** Wear safety glasses to protect against dust particles during machining.

**Engineering Controls:** General mechanical and local exhaust in accordance with ACGIH recommendations.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

|                        |         |
|------------------------|---------|
| <b>Color:</b>          | Grey    |
| <b>Odor:</b>           | No Odor |
| <b>Physical State:</b> | Grain   |

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|                                  |                |
|----------------------------------|----------------|
| <b>Solubility in Water:</b>      | Insoluble      |
| <b>Vapor Pressure:</b>           | Not Determined |
| <b>Specific Gravity:</b>         | Not Determined |
| <b>Boiling Point:</b>            | Not Determined |
| <b>Melting Point:</b>            | Not Determined |
| <b>Evaporation Rate:</b>         | Not Determined |
| <b>Density:</b>                  | Not Determined |
| <b>Vapor Density:</b>            | Not Determined |
| <b>pH:</b>                       | Not Determined |
| <b>Coefficient of water/oil:</b> | Not Determined |

**Percent Volatile:** 0%

**10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Contact with water, acids or foreign materials.

**Stability:** Stable.

**Incompatibility:** Water, acids, alkalies and oxidizing agents

**Hazardous Decomposition Products:** Hydrogen - generated by reaction with acids, bases or water

**Hazardous Polymerization:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Eye Irritation:** Nuisance dust may cause irritation.

**12. ECOLOGICAL INFORMATION**

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

**14. TRANSPORT INFORMATION**

|                              |               |
|------------------------------|---------------|
| <b>DOT: Non-Bulk</b>         |               |
| <b>Proper Shipping Name:</b> | Not Regulated |
| <b>IATA: Non-Bulk</b>        |               |
| <b>Proper Shipping Name:</b> | Not Regulated |
| <b>IMDG: Non-Bulk</b>        |               |
| <b>Proper Shipping Name:</b> | Not Regulated |
| <b>TDG: Non-Bulk</b>         |               |
| <b>Proper Shipping Name:</b> | Not Regulated |



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**15. REGULATORY INFORMATION****US Federal Regulations:**

**Occupational Safety and Health Act (OSHA):** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

**Resource Conservation and Recovery Act (RCRA):** Not a hazardous waste under RCRA (40 CFR 261).

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material.

Chemical Name: Aluminum  
Percent in Composition: 60 - 100 % by wt  
Comment:

**TSCA Section 8(b) - Inventory Status:** All chemical components of this product are in compliance with TSCA inventory requirements.

**TSCA Section 12(b) - Export Notification:** This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

**International Regulations:**

**Canadian Inventory Status:** This product contains only chemicals that are currently listed on the Canadian Domestic Substance List.

**Canadian WHMIS:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Not WHMIS controlled.

**State Regulations:**

**California Proposition 65:** This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

**Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: Aluminum  
CAS Number: 7429-90-5  
Comment: Environmental Hazardous Substance

**16. OTHER INFORMATION**

**MSDS No:** 6732  
**Approved By:** Dianne Blessing  
**Title:** EHS Specialist

**Disclaimer:** The information and recommendations contained herein are based upon tests in controlled laboratory conditions, are believed to be correct, and are provided for the sole purpose of hazard communication as part of Huntsman's product safety

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program. This product has not been tested for, and therefore is not recommended or suitable for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended or likely, or for uses for which implantation within the human body is intended, and Huntsman assumes no liability for any such uses.

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