Heegermaterials

SAFETY DATA SHEET

Date Revised: 01/15/2022

1. Identification

Product Identifier: Aluminum 6061 Powder

CAS Number: N/A

Relevant identified uses of the substance: Scientific research and development

Supplier details:

Heeger Materials Inc. 230 Steele St Denver CO 80206 United States Tel: 925-385-8104

Ser Materi Emergency telephone number: +1 800-424-9300

2. Hazard(s) identification

Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 GHS02 Flame Pyr. Sol. 1 H250 Catches fire spontaneously if exposed to air. Water-react. 2 H261 In contact with water releases flammable gas. Classification according to Directive 67/548/EEC or Directive 1999/45/EC F; Highly flammable R15-17: Contact with water liberates extremely flammable gases. Spontaneously flammable in air. Information concerning particular hazards for human and environment: N/A Hazards not otherwise classified No data available. Label elements Labelling according to Regulation (EC) No 1272/2008 The substance is classified and labeled according to the CLP regulation. Hazard pictograms

GHS02

Signal word: Danger Hazard statements H250 Catches fire spontaneously if exposed to air. H261 In contact with water releases flammable gas. Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P222 Do not allow contact with air. P231+P232 Handle under inert gas. Protect from moisture. P370+P378 In case of fire: Use for extinction: Special powder for metal fires. P422 Store contents under inert gas. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification B6 - Reactive flammable material Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Health (acute effects) = 1Flammability = 3Physical Hazard = 2Other hazards Results of PBT and vPvB assessment: PBT: N/A. vPvB: N/A

3. Composition/Information on Ingredients

Substances CAS No. / Substance Name: 7429-90-5 Aluminum Identification number(s): EC number: 231-072-3 Index number: 013-001-00-6

4. First-aid measures

Description of first aid measures If inhaled: In case of unconsciousness place patient stably in side position for transportation. Supply fresh air. If not breathing, provide artificial respiration. Keep patient warm. Seek immediate medical advice. In case of skin contact: Immediately wash with soap and water; rinse thoroughly. Seek immediate medical advice. In case of eye contact: Rinse opened eye for several minutes under running water. Consult a physician. If swallowed: Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed No information available. Indication of any immediate medical attention and special treatment needed No information available.

5. Fire-fighting measures

Extinguishing media Suitable extinguishing media Special powder for metal fires. Do not use water. For safety reasons unsuitable extinguishing media Water Special hazards arising from the substance or mixture Spontaneously flammable in air. If this product is involved in a fire, the following can be released: Metal oxide fume Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6. Accidental release measures Personal precautions, Wear protective equipment. Keep unprotector Ensure adequate ventilation Keep away from ignition sources Environmental precautions: No special measures required. Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents Prevention of secondary hazards: Keep away from ignition sources. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and storage

Handling Precautions for safe handling Handle under dry protective gas. Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure adequate ventilation. Information about protection against explosions and fires: Substance/product is self ignitable. Conditions for safe storage, including any incompatibilities Storage

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Do not store together with acids.

Store away from oxidizing agents.

Store away from strong bases.

Store away from halogenated compounds.

Store away from air.

Store away from water/moisture.

Further information about storage conditions:

Store under dry inert gas.

This product is moisture sensitive.

This product is air sensitive.

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed containers.

Protect from humidity and water.

Specific end use(s)

No further relevant information available

8. Exposure controls / personal protection

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters

kplan. Components with limit values that require monitoring at the workplace:

7429-90-5 Aluminum (100.0%)

PEL (USA) Long-term value: 15*; 15** mg/m³

*Total dust; ** Respirable fraction

REL (USA) Long-term value: 10* 5** mg/m³

*Total dust **Respirable fraction

TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction

EL (Canada) Long-term value: 1.0 mg/m³ metal and insoluble compdounds, respirable

EV (Canada) Long-term value: 5 mg/m³ aluminium-containing (as aluminium)

Additional information: No data

Exposure controls

Personal protective equipment

Follow typical general protective and industrial hygiene measures for handling chemicals.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Breathing equipment:

Use suitable respirator when high concentrations are present.

Protection of hands:

Impervious gloves

Inspect gloves prior to use.

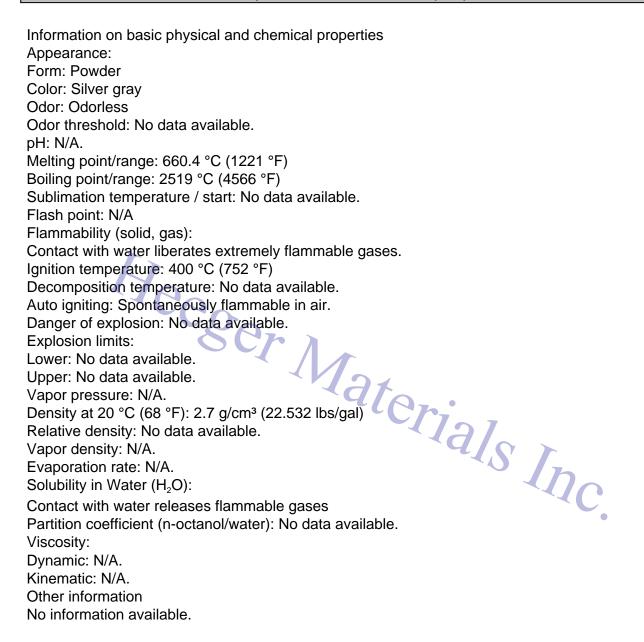
Suitability of gloves should be determined both by material and quality, the latter of which may vary by manufacturer.

Penetration time of glove material (in minutes): No data available.

Eve protection:

Safety glasses

9. Physical and chemical properties



10. Stability and reactivity

Reactivity

In contact with water releases flammable gases which may ignite spontaneously. Catches fire spontaneously if exposed to air. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions Spontaneously flammable in air. Contact with water releases flammable gases Conditions to avoid No information available. Incompatible materials: Acids Air Oxidizing agents Bases Halocarbons Water/moisture Hazardous decomposition products: Metal oxide fume

11. Toxicological information

Information on toxicological effects Acute toxicity: N/A LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation Sensitization: No sensitizing effects known. Germ cell mutagenicity: N/A Carcinogenicity: ACGIH A4: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals. Reproductive toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for this substance. 21s Specific target organ system toxicity - repeated exposure: N/A Specific target organ system toxicity - single exposure: N/A Aspiration hazard: N/A Subacute to chronic toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

12. Ecological information

Toxicity Aquatic toxicity: No information available. Persistence and degradability: No information available. Bioaccumulative potential: No information available. Mobility in soil: No information available. Additional ecological information: General notes: Do not allow material to be released to the environment without official permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PBT and vPvB assessment: PBT: N/A. vPvB: N/A. Other adverse effects No further relevant information available

13. Disposal considerations

Waste treatment methods Recommendation: Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.

Ber Materials Inc. 14. Transport information **UN-Number** DOT, IMDG, IATA UN1396 UN proper shipping name DOT Aluminum powder, uncoated IMDG, IATA ALUMINIUM POWDER, UNCOATED Transport hazard class(es) DOT Class 4.3 Substances which, in contact with water, emit flammable gases. Label 4.3 Class 4.3 (W2) Substances which, in contact with water, emit flammable gases Label 4.3 IMDG, IATA Class 4.3 Substances which, in contact with water, emit flammable gases. Label 4.3 Packing group DOT, IMDG, IATA Ш Environmental hazards: N/A. Special precautions for user Warning: Substances which, in contact with water, emit flammable gases EMS Number:

F-G,S-O Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code N/A. Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": UN1396, Aluminum powder, uncoated, 4.3, II

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture National regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. All components of this product are listed on the Canadian Domestic Substances List (DSL). SARA Section 313 (specific toxic chemical listings) 7429-90-5 Aluminum California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Material Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. This product is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. **REACH - Pre-registered substances** Substance is listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the

properties of the product. Heeger Materials shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Heeser Materials Inc.