SAFETY DATA SHEET

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SECTION 1. IDENTIFICATION

Product Name: Aluminum Borate

Product Number: All applicable American Elements product codes, e.g. AL-BAT-01-P

CAS #: 11121-16-7

Relevant identified uses of the substance: Scientific research and development

Supplier details:
American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351

Emergency telephone number:
+1 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Reproductive toxicity, Category 2



Signal word:
Danger
Hazard statement(s):
Suspected of damaging fertility or the unborn child
Precautionary statement(s) Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
Response:
IF exposed or concerned: Get medical advice/ attention.
Storage:
Store locked up.
Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulation.
Other hazards which do not result in classification

None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name: Aluminum Borate
Common names and synonyms: Aluminum Borate
CAS number: 11121-16-7
EC number: N/A
Concentration: 100%

SECTION 4. FIRST AID MEASURES

General advice:
Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled:
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact:
Wash off with soap and plenty of water. Consult a physician.
In case of eye contact:
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed:
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms/effects, acute and delayed:
N/A
Indication of immediate medical attention and special treatment needed, if necessary:
N/A

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards arising from the chemical:
N/A
Special protective actions for fire-fighters:
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Environmental Precautions:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up:
Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use.Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities:
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Occupational Exposure limit values: N/A
Biological limit values: N/A
Appropriate engineering controls:
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Individual protection measures, such as personal protective equipment (PPE):
Eye/face protection:
Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection:
Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Respiratory protection:
Wear dust mask when handling large quantities.
Thermal hazards:
N/A

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Powder
Colour: N/A
Odour : N/A
Melting point/ freezing point: N/A
Boiling point or initial boiling point and boiling range: N/A
Flammability: N/A
Lower and upper explosion limit / flammability limit: N/A
Flash point: N/A
Auto-ignition temperature: N/A
Decomposition temperature: N/A
pH: N/A
Kinematic viscosity: N/A
Solubility: N/A
Partition coefficient n-octanol/water (log value): N/A

Vapour pressure: N/A
Density and/or relative density: N/A
Relative vapour density: N/A
Particle characteristics: N/A

SECTION 10. STABILITY AND REACTIVITY

Reactivity: N/A
Chemical stability:
Stable under recommended storage conditions.
Possibility of hazardous reactions: N/A
Conditions to avoid: N/A
Incompatible materials: N/A
Hazardous decomposition products: N/A

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:
Oral: N/A
Inhalation: N/A
Dermal: N/A
Skin corrosion/irritation: N/A
Serious eye damage/irritation: N/A
Respiratory or skin sensitization: N/A
Germ cell mutagenicity: N/A
Carcinogenicity: N/A
Reproductive toxicity: N/A
STOT-single exposure: N/A
STOT-repeated exposure: N/A
Aspiration hazard: N/A

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:
Toxicity to fish: no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: no data available
Toxicity to microorganisms: no data available
Persistence and degradability: N/A
Bioaccumulative potential: N/A
Mobility in soil: N/A
Other adverse effects: N/A

SECTION 13. DISPOSAL CONSIDERATIONS

Product:
The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or

disposal. Do not discharge to sewer systems.
Contaminated packaging:
Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14. TRANSPORT INFORMATION

UN Number
ADR/RID: N/A
IMDG: N/A
IATA: N/A
UN Proper Shipping Name
ADR/RID: N/A
IMDG: N/A
IATA: N/A
Transport hazard class(es)
ADR/RID: N/A
IMDG: N/A
IATA: N/A
Packing group, if applicable
ADR/RID: N/A
IMDG: N/A
IATA: N/A
Environmental hazards
ADR/RID: No
IMDG: No
IATA: No
Special precautions for user: N/A
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: N/A

SECTION 15. REGULATORY INFORMATION

Chemical name: Aluminum Borate
Common names and synonyms: Alumnium Borate
CAS number: 11121-16-7
EC number: N/A
European Inventory of Existing Commercial Chemical Substances (EINECS): Listed.
EC Inventory: Listed.
United States Toxic Substances Control Act (TSCA) Inventory: Listed.
China Catalog of Hazardous chemicals 2015: Not Listed.
New Zealand Inventory of Chemicals (NZIoC): Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS): Not Listed.
Vietnam National Chemical Inventory: Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC): Listed.

SECTION 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. American Elements 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. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.