



MATERIAL SAFETY DATA SHEET

A FAMILY OF SOLUTIONS

SB-432

REVISION NUMBER: 1.9

REVISION DATE: 13/May/2010

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

PRODUCT NAME: SB-432

COMPANY: J.M. Huber Corporation
1000 Parkwood Circle Suite 1000
Atlanta, GA 30339
USA
Tel: 1-678-247-7300
Fax: 1-678-247-2797

EMERGENCY TELEPHONE: CHEMTREC: 1-800-424-9300 or 1-703-527-3887 International

INTERNET: www.hubermaterials.com

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Dust may cause mechanical irritation to eyes.

SKIN CONTACT: Dust may cause mechanical irritation to skin.

INGESTION: constipation. Ingestion of large amounts may cause: nausea.

INHALATION: Inhalation of dust may cause respiratory tract irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT(S) | CAS NUMBER | %W/W |
|---------------------|------------|------|
| Aluminum Trihydrate | 21645-51-2 | 100 |

4. FIRST AID MEASURES

EYE CONTACT: Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.

SKIN CONTACT: Wash skin with soap and water.

INGESTION: Rinse mouth with water. Do not induce vomiting.

INHALATION: Remove person to fresh air.

GENERAL ADVICE: In case of doubt or when symptoms persist, seek medical attention.

5. FIRE-FIGHTING MEASURES

NFPA: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0
HMIS: HEALTH: 1 FLAMMABILITY: 0 PHYSICAL HAZARD: 0

EXTINGUISHING MEDIA: All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.

UNSAFE EXTINGUISHING MEDIA None.

SPECIAL EXPOSURE HAZARDS: None.

SPECIAL PROTECTIVE EQUIPMENT: Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid dust formation. In case of exposure to high levels of airborne dust, wear a personal respirator in compliance with national legislation.

ENVIRONMENTAL PRECAUTIONS: This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing in drain.

CLEAN UP METHODS: Collect mechanically and or by flushing with water. Avoid dry sweeping. Use water spraying or ventilated vacuum system to prevent dust formation.

7. HANDLING AND STORAGE

HANDLING: Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

STORAGE: Store in a dry area. Keep containers closed and protect from physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:

| COMPONENT(S) | OSHA-TWA | ACGIH TLV-TWA |
|---------------------|----------------------|----------------------|
| Aluminum Trihydrate | 10 mg/m ³ | 10 mg/m ³ |
| Respirable dust | 5 mg/m ³ | 3 mg/m ³ |
| Total dust | 15 mg/m ³ | 10 mg/m ³ |

ENGINEERING CONTROLS: Use mechanical ventilation (dilution and local exhaust) to control exposure.

EYE PROTECTION: Safety glasses with side shields.

SKIN AND BODY PROTECTION: Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure potential.

HAND PROTECTION: Impervious gloves chemical resistant.

RESPIRATORY PROTECTION: In case of exposure to high levels of airborne dust, wear a respirator in compliance with national legislation.

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practice.

ENVIRONMENTAL EXPOSURE: This product does not present any particular risk for the environment. Refer to applicable national, state and local regulations prior to washing in drain.

9. PHYSICAL CHEMICAL PROPERTIES

| | |
|-----------------------------------|-------------------------------|
| APPEARANCE: | White powder |
| ODOR: | Odorless. |
| pH: | 8.4-10.2, 5% water suspension |
| FLASH POINT: | Non-combustible |
| DENSITY: | 2.4 g/cm ³ , 20° C |
| WATER SOLUBILITY: | 1.5 g/l, 20°C |
| DECOMPOSITION TEMPERATURE: | 200° C |

10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient temperature (21°C) and pressure (760 mm Hg).

CONDITIONS TO AVOID: None

MATERIALS TO AVOID: Strong Acids

HAZARDOUS DECOMPOSITION PRODUCTS: None

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: LD50 Oral (rat) > 5000 mg/kg

EYE CONTACT: Dust may cause mechanical irritation to eyes.

EYE IRRITATION: Non-irritating.

SKIN IRRITATION: Non-irritating.

SENSITIZATION: Does not cause sensitization.

CHRONIC TOXICITY: No evidence of mutagenic, reproductive or carcinogenic effects.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: EC50 (Fish) > 10000 mg/l EC50 (Daphnia > 10000 mg/l)

MOBILITY: Inert material.

PERSISTENCE / DEGRABILITY: Non-degradable

BIOACUMULATIVE POTENTIAL: Inert Material

OTHER ADVERSE EFFECTS: None known.

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with local, state and national regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated

15. REGULATORY INFORMATION

CLASSIFICATION: This product is not classified as dangerous.

NATIONAL CHEMICAL INVENTORY LISTING:

AUSTRALIA (AICS): Aluminum trihydrate 21645-51-2

CANADA (DSL/NDL): Aluminum trihydrate 21645-51-2

CHINA (IECSC): Aluminum trihydrate 21645-51-2

EUROPE (EINECS): Aluminum trihydrate EC No. 244-492-7

JAPAN (ENCS): Aluminum trihydrate ENCS (1)-17

KOREA (KECI): Aluminum trihydrate KE-00980

NEW ZEALAND (NZIoC): Aluminum trihydrate 21645-51-2

PHILIPPINES (PICCS): Aluminum trihydrate 21645-51-2

USA (TSCA): Aluminum trihydrate 21645-51-2

SARA 311 / 312 HAZARD: Acute

SARA 313 SUBSTANCES: Generic Category Aluminum Compounds

CERCLA RQ: None

CLEAN AIR ACT: The components of this product are not regulated under any of the following sections of the Clean Air Act: Section 111 Volatile Organic Compounds, Section 112 Hazardous Air Pollutants, Section 112 Statutory Air Pollutants, Section 112 High-Risk Pollutants, Section 112(r) Accidental Release Prevention Substances or Section 602 Ozone Depleting Substance. As a powder product, it would be regulated under Section 109 Criteria Pollutants particulates.

PROPOSITION 65: The product contains the following chemicals at levels known to the State of California to cause cancer:., Crystalline Silica.

CONEG: We certify that heavy metals defined as lead, mercury, cadmium and hexavalent chromium are not intentionally introduced to this product and with respect to lead, mercury, cadmium and hexavalent chromium, the incidental level of these four metals is less than 100 ppm.

FDA: May be used in accordance with the following 21 CFR Sections: 176.210, 177.1200, 177.2600, 182.90

16. OTHER INFORMATION

DISCLAIMER: The information contained in this Safety Data Sheet to the best of J.M. Huber's knowledge and belief as of the date indicated is believed to be accurate and reliable. However, no representation, warranty or guarantee is implied or expressed regarding the accuracy, reliability or completeness of this information or the use of the product. Nothing contained herein should be construed as a recommendation to use this product in conflict with National or local regulations or existing patents covering any material or its use.

END OF MATERIAL SAFETY DATA SHEET