

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY INFORMATION

- ◆ **Product name:** AlumVax Hydroxide
- ◆ **Catalog number:** AH0050, AH0250
- ◆ **Chemical name or synonyms:** Aluminum hydroxide gel
- ◆ **Contact:**

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SECTION 2 – HAZARDS IDENTIFICATION

- ◆ **GHS Classification**
No
- ◆ **GHS Label element**

Signal Word:	None
Hazard Statements:	None
Pictograms:	None
- ◆ This product contains hazardous ingredients (Yes; No; Not Applicable or no information): **May cause skin irritation and/or dermatitis.**
- ◆ This product contains hazardous carcinogens (Yes; No; N/A): **No**
- ◆ This product contains hazardous ingredients to the environment. (Yes; No; N/A): **No**

SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

<u>Ingredient name</u>	<u>CAS number</u>	<u>%</u>	<u>EINECS</u>	<u>Classification</u>
Aluminum hydroxide Al(OH) ₃	21654-51-2	< 3%	244-492-7	Eye Irrit. 2, H319
Water	7732-18-5	>97%	231-791-2	None

Ingredients are not hazardous or their concentrations do not exceed the limit specified according to 29 CFR 1910.1200 Hazard Communication Standard (USA) and Directive 1999/45/EC-2001/59/EC (EU).

See section 16 for full text of the H-statement.

SECTION 4 – FIRST AID MEASURES

- ◆ **Effects and symptoms:**
 - *Inhalation* May be harmful if inhaled. May cause respiratory tract irritation
 - *Ingestion* May be harmful in case of ingestion.
 - *Skin contact* May cause skin irritation.
 - *Eye contact* Hazardous in case of eye contact. Causes serious eye irritation
 - *Aggravating conditions* Repeated or prolonged exposure is not known to aggravate medical conditions.
- ◆ **First-Aid measures:**
 - *Inhalation* If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
 - *Ingestion* Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If person is conscious, rinse mouth with water. Get medical attention.
 - *Skin contact* In case of contact, immediately flush skin with plenty of water and soap while removing contaminated clothing and shoes. Wash clothes before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
 - *Eye contact* In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

- Notes to physician Not available.
- Protection of first-aiders Not available.

SECTION 5 – FIRE FIGHTING MEASURES

- ◆ **Flammability of the product:** May be combustible at high temperature.
- ◆ **Flash Point:** Not available.
- ◆ **Fire hazards in presence of various substances:** Not available.
- ◆ **Fire fighting media and instructions:** Water spray, carbon dioxide, dry chemical powder or appropriate foam.
- ◆ **Protective clothing (fire):** Be sure to use an approved/certified respirator or equivalent.
- ◆ **Hazardous thermal decomposition products:** Aluminum oxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- ◆ **Personal precautions:** Wear protective equipment: safety glasses, lab coat and gloves.
- ◆ **Environmental precautions and clean-up methods:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.
- ◆ **Small spill and leak:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- ◆ **Additional information:** No dangerous substances are released.

SECTION 7 – HANDLING AND STORAGE

- ◆ **Handling:** Avoid contact with eyes, skin and clothing.
- ◆ **Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Store at +4°C. Avoid exposure to light.
- ◆ **Intended use:** Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific application.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

- ◆ **Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Ensure that eyewash stations and safety showers are proximal to the workstation location.
- ◆ **Personal protection**
 - **Eyes:** Safety glasses.
 - **Body:** Lab coat and gloves.
 - **Respiratory:** Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- ◆ **Appearance**
 - **Physical State:** Suspension gel.
 - **Color:** White.
 - **Odor:** Not available.
 - **Taste:** Not available.
- ◆ **pH:** ~6.0-6.5.
- ◆ **Boiling point:** Not available.
- ◆ **Decomposition temperature:** Not available.
- ◆ **Melting/freezing points:** Not available.
- ◆ **Flash point:** Not available.
- ◆ **Relative density:** Not available.
- ◆ **Solubility:** Negligible.

SECTION 10 – STABILITY AND REACTIVITY

- ◆ **Stability and reactivity:** Stable under recommended storage conditions.
- ◆ **Conditions to avoid:** Not available
- ◆ **Materials to avoid:** Strong acids, strong bases, strong oxidizing agents.
- ◆ **Hazardous polymerization:** Will not occur.
- ◆ **Hazardous decomposition products:** Not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

Aluminium hydroxide : LD50 Oral 8,040mg/Kg (Rat)

There are no known carcinogenic chemicals in the product.

SECTION 12 – ECOLOGICAL INFORMATION

No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

- ◆ **Waste stream:** Not available.
- ◆ **Waste disposal method:** Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance with governmental environmental regulations. Observe all federal, state, and local environmental regulations.
- ◆ **European waste catalogue (EWC):** Not available.

SECTION 14 – TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

D.O.T.: Not regulated.

IATA.: Not regulated.

IMDG: Not regulated.

SECTION 15 – REGULATORY INFORMATION

◆ **US Federal Regulations**

RCRA (Lists of Hazardous Wastes, 40 CFR 261 Subpart D): Not applicable

CLEAN AIR ACT (SEC. 112. Hazardous Air Pollutants): Not applicable

CLEAN WATER ACT (RQ, 40 CFR): Not applicable

SARA Title III:

Section 302 -304, 40 CFR 355: Components present in this product at a level which could require reporting are: none.

Section 311 - 312: Components present in this product at a level which could require reporting are: none.

Section 313: Not applicable

TSCA Section 8(b) Inventory Status: All ingredients are listed on TSCA Inventory of Chemical Substances or exempt from TSCA Inventory requirements.

AICS Inventory Status: All ingredients are listed on the Australia Inventory of Chemical Substances.

State Lists

This product does not contain any Proposition 65 chemicals.

This product is not classified according to the EU regulations

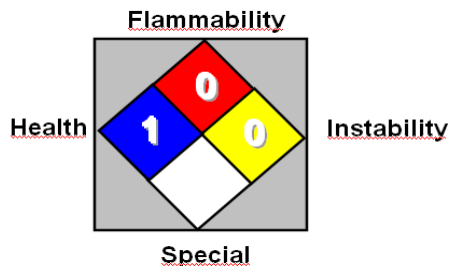
SECTION 16 – OTHER INFORMATION

Eye Irrit. Eye Irritation
H319 Causes serious eye irritation

◆ **Hazardous Material Information System (U.S.A.):**

Health	1
Fire hazard	0
Reactivity	0
Personal protection	

National Fire Protection Association (U.S.A.):



◆ **Revisions:**

Issue Date: 22-May-2014
Last Revision Date: 24-Aug-2016
Revision note: New format. updated Section 2,8,15,16.

◆ **Other Comments:**

To the best of our knowledge, the information contain herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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