

## Section 1

## Chemical Product and Company Identification

Page E1 of E2

**Aldon  
Corporation**221 Rochester Street  
Avon, NY 14414  
(585) 226-8177**CHEMTREC 24 Hour Emergency**  
Phone Number (800) 424-9300  
For laboratory use only  
Not for drug, food or household use

|          |                                     |
|----------|-------------------------------------|
| Product  | TYPE AB BLOOD - SUSPECT 1           |
| Synonyms | Neoblood Type AB / NeoBlood Type AB |

## Section 2 Hazards Identification

Signal word: WARNING  
Pictograms: GHS07  
Target organs: BloodGHS Classification:  
Acute toxicity, oral (Category 5)  
Skin irritation (Category 2)  
Eye irritation (Category 2A)GHS Label Information Hazard statement(s):  
H303 May be harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.Precautionary statement(s):  
P284 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
P332+P313: If skin irritation occurs: Get medical attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical attention.  
P102 Call a POISON CENTER or doctor if you feel unwell.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity

## Section 3 Composition / Information on Ingredients

| Chemical Name                         | CAS #       | %     | EINECS                                 |
|---------------------------------------|-------------|-------|--|
| Water                                 | 7732-18-5   | 80.1% | 231-791-2                              |
| Calcium nitrate, tetrahydrate         | 13477-34-4  | 10.0% | 233-332-1                              |
| Aluminum nitrate, nonahydrate         | 7784-27-2   | 9.3%  | 238-751-8 (anhydrous CAS # 13473-90-0) |
| Non-hazardous proprietary ingredients | Undisclosed | 0.6%  | Undisclosed                            |

## Section 4 First Aid Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 6 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

## Section 8 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, well-ventilated area away from incompatible substances.

**Section 8 Exposure Controls / Personal Protection**

| Exposure Limits:   | Chemical Name   | ACGIH (TLV)      | OSHA (PEL)       | NIOSH (REL)      |
|--|-----------------|------------------|------------------|------------------|
|  | Calcium nitrate | None established | None established | None established |
| <b>Engineering controls:</b> Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or face shield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low. |                 |                  |                  |                  |
| <b>Respiratory protection:</b> None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.  |                 |                  |                  |                  |

**Section 9 Physical & Chemical Properties**

|  |  |   |
|--|--|---|
| Appearance: Red liquid.                                    | Evaporation rate (Water = 1): <1                               | Partition coefficient: Data not available     |
| Odor: No odor.   | Flammability (solid/gas): Data not available.                  | Auto-ignition temperature: Data not available |
| Odor threshold: Data not available.                        | Explosion limits: Lower / Upper: Data not available            | Decomposition temperature: Data not available |
| pH: Data not available.                                    | Vapor pressure (mm Hg): 14 (water)                             | Viscosity: Data not available.                |
| Melting / Freezing point: Approximately 0°C (32°F) (water) | Vapor density (Air = 1): 0.7 (water)                           | Molecular formula: Mixture                    |
| Boiling point: Approximately 100°C (212°F) (water)         | Relative density (Specific gravity): Approximately 1.0 (water) | Molecular weight: Mixture                     |
| Flash point: Data not available                            | Solubility(ies): Complete in water                             |   |

**Section 10 Stability & Reactivity**

|   |   |
|---|---|
| Chemical stability: Stable  | Hazardous polymerization: Will not occur. |
| Conditions to avoid: Excessive temperatures to cause evaporation.     |   |
| Incompatible materials: Ammonia, hydrazine and other reducing agents. |   |
| Hazardous decomposition products: Nitrogen oxides                     |   |

**Section 11 Toxicological Information**

Acute toxicity: Calcium nitrate: Oral-rat LD50: 3,900 mg/kg / Aluminum nitrate: Oral-rat LD50: 3,671 mg/kg  
Skin corrosion/irritation: Data not available  
Serious eye damage/irritation: Data not available  
Respiratory or skin sensitization: Data not available  
Germ cell mutagenicity: Data not available  
Carcinogenicity: Data not available  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.  
Reproductive toxicity: Data not available  
STOT-single exposure: Data not available  
STOT-repeated exposure: Data not available  
Aspiration hazard: Data not available  
Potential health effects:  
Inhalation: May be harmful if inhaled.  
Ingestion: May be harmful if swallowed.  
Skin: Contact with skin may cause irritation.  
Eyes: Causes serious eye irritation.  
Signs and symptoms of exposure: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.  
Additional information: RTECS #: Calcium nitrate: EV3000000 / Aluminum nitrate: BD1050000

**Section 12 Ecological Information**

Toxicity to fish: No data available  
Toxicity to daphnia and other aquatic invertebrates: No data available  
Toxicity to algae: No data available  
Persistence and degradability: No data available  
Bioaccumulative potential: No data available  
Mobility in soil: No data available  
PBT and vPvB assessment: No data available  
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Section 13 Disposal Considerations**

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

**Section 14 Transport Information (US DOT / CANADA TDG)**

|                              |                                 |                         |                      |
|------------------------------|---------------------------------|-------------------------|----------------------|
| UN/NA number: Not applicable | Shipping name: Not Regulated    | Reportable Quantity: No | Marine pollutant: No |
| Hazard class: Not applicable | Packing group: Not applicable   |                         |                      |
| Exceptions: Not applicable   | 2012 ERG Guide # Not applicable |                         |                      |

**Section 15 Regulatory Information**

A chemical is considered to be listed if the CAS number for the anhydrous form is on the inventory list.

| Component                     | TSCA   | CERCLA (RCQ) | RCRA code  | DSL    | NDSL       |
|-------------------------------|--------|--------------|------------|--------|------------|
| Calcium nitrate (solid)       | Listed | Not listed   | Not listed | Listed | Not listed |
| Aluminum nitrate, nonahydrate | Listed | Not listed   | Not listed | Listed | Not listed |

**Section 16 Other Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to ensure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program; IARC: International Agency for Research on Cancer; OSHA: Occupational Safety and Health Administration; STOT: Specific Target Organ Toxicity; SE: Single Exposure; RE: Repeated Exposure; ERG: Emergency Response Guidebook.

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