



SAFETY DATA SHEET

Material Identity: ST3000

SECTION 1 · PRODUCT IDENTIFICATION

Sold By:

Solutio Tek
3660 Center Road; # 204
Brunswick, OH 44212

Emergency Phone CHEMTREC: (800) 424-9300

General Information: 330.242.0015

FAX Information: 330.242.0015

SECTION 2 · HAZARDOUS IDENTIFICATION

GHS Classification:**[Health]**

Eye irritation Category 2A
Skin Irritation Category 3

[Environmental]

Acute aquatic toxicity Category 1

[Physical]

None

GHS Label elements, including precautionary statements**Pictogram**

Signal word Warning

Hazard statement(s)

H303 May be harmful if swallowed.

H313 May be harmful in contact with the skin.

H320 Causes eye irritation.

Precautionary statement(s)

P261 Avoid breathing dust/fumes/gas/mist/vapors/spray

H262 do not get in eyes, on skin or on clothing.

P280 Wear protective gloves/ eye protection/ face protection.

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 advice/ attention.

P403+223: Store in a well ventilated place. Store in a tightly closed container.

SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME

Aluminum chlorohydrate

CAS Number

12042-91-0

%WT

30-60

SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:

Skin Contact: Remove all contaminated clothing, jewelry, and shoes. Wash affected area with soap or mild detergent and running water for at least 15 minutes. If irritation develops, get medical attention.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.



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SECTION 5 · FIRE FIGHTING MEASURES

Extinguishing Media: The substance is not combustible. Use extinguishing media appropriate to the surrounding fire. Containers can build up pressure in the event of a fire

Fire Fighting Procedures: Use water spray to keep fire-exposed containers cool. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Fire Fighting Instructions: This product is not defined as flammable or combustible and should not be a fire hazard.

Fire and Explosion Hazards: During a fire, irritating/toxic and corrosive fumes may evolve. May decompose to Hydrogen chloride (Hydrochloric acid) and Chlorine in a fire.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Isolate spill area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition, such as flames, hot glowing surfaces or electric arcs. Stop source of spill as soon as possible. Cleanup personnel must wear proper protective equipment

Create a dike or trench to contain all liquid material. Spill materials may be absorbed using clay, soil or nonflammable commercial absorbents. Treat as any dilute acid. Aluminum Chlorohydrate can be carefully neutralized with Soda Ash or Lime.

SECTION 7 · STORAGE AND HANDLING

Handling: Do not get in eyes, or on skin, or clothing. Do not taste or swallow. Avoid breathing mists or fumes. Do not handle with bare hands. When preparing the working solution ensure there is adequate ventilation. Carefully monitor handling, use and storage to avoid spills and leaks. Follow protective controls set forth in Section 8 when handling this product. Do not eat, drink, or smoke in work area. Wash hands prior to eating, drinking, or using restroom.

Storage: Material may be stored in tightly closed shipping containers, preferably the supplier's containers. Containers of this material may be hazardous when empty, since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do not use metal containers.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Use adequate mechanical ventilation equipment. Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits: Aluminum chlorohydrate 2 mg/m^3 (as Al) ACGIH 2 mg/m^3 (as Al) OSHA

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: Wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined spaces, use a self-contained breathing apparatus.

Other Equipment: Eye wash station and shower in close proximity to use are advised.



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SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Non-flammable	Flammability Limits: Not applicable
Autoignition Temperature: No published data	Specific Gravity: 1.32-1.35
Boiling Point: 221 °F	Volatile %: No published data
Melting Point/Freezing Point: 22 °F	Evaporation Rate (BuAc=1): No published data
Vapor Pressure: No published data	Viscosity: 10 – 100 centistokes
Vapor Density (Air-1): 1.3	pH: 4.2 (30% Sol'n)
Solubility in Water: Soluble	Molecular Formula: Aln(OH)mCl3n-m
Odor/Appearance: Clear to hazy liquid with no appreciable odor.	Pour Point: No published data

SECTION 10 · STABILITY AND REACTIVITY

Stability: Stable under normal use and storage conditions.

Conditions to Avoid: High temperature decomposition. Avoid contact with alkalies and metals.

Incompatible Materials: Bases (alkaline materials).

Hazardous Polymerization: Will not occur under normal temperatures and pressures.

Hazardous Decomposition Products: Thermal decomposition may release toxic and/or hazardous gases such as hydrogen chloride gas.

SECTION 11 · TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Ingestion: May be harmful if swallowed. Irritation of the mouth and stomach. May cause nausea, vomiting, and diarrhea.

Inhalation: Inhalation of mist or vapors cause moderate irritation to the respiratory system.

Skin contact: Possible irritant. May cause irritation, especially on prolonged contact.

Eye contact: May cause irritation with redness and swelling. Prolonged exposure may cause conjunctivitis.

Acute oral toxicity:
Aluminum chlorohydrate: No available data

Acute inhalation toxicity:
Aluminum chlorohydrate: No available data

Acute dermal toxicity:
Aluminum chlorohydrate: No available data

SECTION 12 · ECOLOGICAL INFORMATION

Aquatic Toxicity: Fish 1000 ug/l 24 week(s) (mortality) coho salmon, silver salmon (oncorhynchus kisutch).

Bio-accumulative potential: No published data.

Mobility: No published data.

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.



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SECTION 14 · TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Not a Regulated DOT Material
Hazard Class:
UN Number:
Packaging Group:

SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has not been established.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Acute Health Hazard.

SARA Section 313 (40 CFR 372) Hazard Categories: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances under the CCA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

SDS Creation Date: December 2014

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 1

Flammability: 0

Reactivity: 0

The information contained on this Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive or fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.