

SAFETY DATA SHEET (SDS)



ANTI-HYDRO INTERNATIONAL, INC.

PRODUCT: "ANTI-HYDRO"[®]

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SECTION 1 - IDENTIFICATION

PRODUCT NAME: "ANTI-HYDRO"[®]

SYNONYM: Concrete Admixture, Aqueous

USAGE: Portland Cement Waterproofing & Set Accelerating

PACKAGING: ¼, 1, 5 or 55 gallon containers

EMERGENCY PHONE: 1(800) 424-9300 (CHEMTREC)

PHONE FOR INFORMATION: 1(908) 284-9000

COMPANY: Anti-Hydro International, Inc.

45 River Road, Flemington, NJ 08822

SECTION 2 - HAZARD(S) IDENTIFICATION


EMERGENCY OVERVIEW: WARNING! Material is a slightly turbid, pinkish aqueous mixture with slight odor. May irritate eye, skin or upper respiratory tract (see SECTION 4 of the SDS). Take proper measures for personal protections and hygiene, housekeeping, storage and handling, including exposure controls (see SECTION 7 and SECTION 8 of the SDS).

Major Route(s) of Entry: Eye(s), Skin, Inhalation (mist), Ingestion.

Globally Harmonized System (GHS)

CLASSIFICATION: Eye Irritation - Category 2A; Skin corrosion/irritation - Category 3

Carcinogenicity: Not classified (not classified as a carcinogen by NTP, IARC, or OSHA).

PICTOGRAM/SYMBOL:  GHS07 Exclamation mark (H316; 319)

SIGNAL WORD: WARNING!

GHS STATEMENTS

Health Hazards: H316 Causes mild skin irritation; H319 Causes serious eye irritation.

General: P102 Keep out of reach of children.

Prevention: P202 Do not handle until all safety precautions have been read and understood; P264 Wash hands thoroughly after handling; P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P302 + P352 IF ON SKIN: wash with plenty of soap and water; P321 Specific treatment (see First Aid information in SECTION 4 of the SDS); P332 + P313 IF skin irritation occurs: Get medical advice/attention; P362 Take off contaminated clothing and wash 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 advice/attention. P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting; P314 Get medical advice/attention if you feel unwell. P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing; P314 Get medical advice/attention if you feel unwell.

Storage: P403 + P235 Store in a well-ventilated place. Keep cool; P402 + P404 Store in a dry place. Store in a closed container.

Disposal: P501 Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): None identified.

TOXICOLOGY INFORMATION: See SECTION 11 of the SDS.

NOTE: This Safety Data Sheet information is compiled from component manufacturers' SDS and/or test data.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

The specific chemical identity and/or exact percentage (concentration) of the "Anti-Hydro"[®] mixer composition has been withheld as a proprietary trade secret. The mixture contains aqueous solution of calcium chloride, CAS# 10043-52-4 as a component and may contain some impurities, e.g. potassium chloride CAS# 7447-40-7, sodium chloride CAS# 7647-14-5. All other mixture components are non- or less hazardous and/or below the cut-off limits.

SECTION 4 - FIRST AID MEASURES

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EYE CONTACT: If in eyes, immediately rinse eyes cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs, get medical advice/attention.

SKIN CONTACT: If on skin, wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Specific Treatment: Wash with lots of clean and cool water.

INHALATION: Avoid inhalation of vapor, spray or mist. If inhalation occurs and adverse effects result, move person to fresh air and keep comfortable for breathing. Get medical advice/attention immediately if you feel unwell.

INGESTION: If swallowed, rinse mouth. If exposed person is conscious, give small quantities of water to drink. Do NOT induce vomiting. Get medical advice/attention immediately if you feel unwell.

MOST IMPORTANT SYMPTOMS/EFFECTS (ACUTE AND DELAYED)

Eye- May cause serious eye irritation, corneal eye pain, redness and/or acute corneal thickening or whitening.

Skin- Skin exposure may cause slight irritation, redness, itching, and swelling. May cause more severe response if skin is damp, abraded (scratched or cut), or covered.

Inhalation (Breathing) - Inhaling mist, spray, or vapor may cause irritation to upper respiratory tract (nose and throat).

Ingestion (Swallowing) - Consumption of large amount of solids/liquid causes nausea, vomiting, and increased thirst.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Preexisting or compromised skin, eye and respiratory conditions.

INTERACTION WITH OTHER CHEMICALS WHICH ENHANCE TOXICITY: None known.

PROTECTION OF TREATING PERSONNEL: If potential for exposure exists refer to SECTION 8 for specific measures.

Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to

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SECTION 4 - FIRST AID MEASURES

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be kept under medical surveillance for 48 hours.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: Not applicable

FIRE HAZARD: This material does not burn.

FLAMMABLE LIMITS (in Air % by Vol): LEL (Lower): Not applicable; UEL (Upper): Not applicable

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire.

FIRE FIGHTING PROCEDURE: Keep unnecessary people away, isolate hazard area and deny entry. This material does not burn. Fight fire for other material that is burning. Water should be applied in large quantities as fine spray. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Wear protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations.

HAZARDOUS COMBUSTION PRODUCT: Decomposes on heating generating hydrogen chloride gas and oxides of calcium.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard on some surfaces. Use appropriate safety equipment. For additional information, refer to *SECTION 8*, Exposure Controls and Personal Protection. Refer to *SECTION 7*, Handling, for additional precautions.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Small and large spills: Contain spilled material if possible. Absorb with materials such as sand. Collect in suitable and properly labeled containers. Flush residue with plenty of water. See *SECTION 13*, Disposal considerations, for additional information.

ENVIRONMENTAL PRECAUTIONS: Prevent large spills from entering into soil, ditches, sewers, waterways and/or groundwater. See *SECTION 12*, Ecological Information.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin, and clothing. Do not swallow or inhale. Wash hands thoroughly after handling. Wear personal protective equipment as described below in Exposure Controls/Personal Protection *SECTION 8*. Keep container closed when not in use. Do not smoke, eat and/or drink in the work area.

STORAGE: Store in a dry, cool and well ventilated place, away from incompatible substances (see *SECTION 10* of the SDS), children, food items, animals and vegetation. Keep container closed.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: Wear chemical safety goggles and/or a face-shield when needed to prevent eye and skin contact.

SKIN/HAND PROTECTION: Use chemically resistant rubber gloves (Neoprene, PVC, and Nitrile/butadiene). Wear long-sleeve garments, work boots and apron.

INHALATION: In misty conditions, wear approved breathing mask or particulate respirator.

ENGINEERING CONTROLS: Use local exhaust ventilation, or other engineering controls to maintain airborne exposure within limits

OTHER PROTECTIVE MEASURES: Safety shower or eye wash station. Use good personal hygiene. Do not eat, drink or smoke in the area. Wash hands after the use. Keep away from children, animal, food and vegetation.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Slightly turbid, pinkish, aqueous liquid mixer

ODOR: Slight Odor **ODOR THRESHOLD:** Not Applicable

pH: Neutral/slightly acidic (7 -5)

SOLUBILITY: Readily dispersible in water.

SPECIFIC GRAVITY (H₂O=1): Approx.1.22

VISCOSITY: 2 - 7 cp @ 77°C (25 °C)

VAPOR PRESSURE: 9 - 15 mm Hg @ 77°C (25 °C)

VAPOR DENSITY (Air=1): No Data

HYGROSCOPIC: Yes

VOC CONTENT: 0 g/l (less water)

EVAPORATION RATE (Ether=1): No Data

FREEZING POINT: Approx. -46° F (-43° C)

BOILING POINT: 230° - 252° F (110° - 122° C)

FLAMMABILITY: Not Flammable

NOTE: *The above information is typical for this family of materials/components and may vary under actual conditions.*

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable at normal temperatures and pressures.

REACTIVITY: Hygroscopic

POSSIBILITY OF HAZARDOUS REACTIONS: No information available.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITIES/MATERIALS TO AVOID: Avoid contact with alkalis, acids, reducing agents, combustible material, organic material, bromide trifluoride, 2-furan percarboxylic acid, zinc. Catalyzes exothermic polymerization of methyl vinyl ether.

HAZARDOUS DECOMPOSITION PRODUCTS: Formed under fire conditions: hydrogen chloride gas, calcium oxide

HAZARDOUS POLYMERIZATION: Will not occur at normal temperatures and pressures.

SECTION 11 - TOXICOLOGICAL INFORMATION

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TOXICITY: Acute- For liquid calcium chloride, Oral LD50 2282 mg/kg- estimate (ATE); Dermal LD50 Dermal- 6013 mg/kg- estimate (ATE). **Chronic-** Not toxic.

EFFECTS OF EXPOSURE: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet.

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SECTION 11 - TOXICOLOGICAL INFORMATION

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Symptoms or effects that may arise if the product is mishandled and overexposure occurs are: **Ingestion:** Can result in nausea, vomiting, diarrhea, and abdominal pain. **Eye contact:** Irritation. **Skin contact:** Result in mild irritation. **Inhalation:** Mists or aerosols may produce respiratory irritation. **Sensitization-** Not sensitizing.

CARCINOGENICITY: Not classified as a carcinogen per GHS, NTP, IARC, OSHA criteria. Also see SECTION 2 of the SDS.

MUTAGENICITY: No mutagenic effect.

SECTION 12 - ECOLOGICAL INFORMATION

ECO TOXICITY: Aquatic: Material is practically non-toxic to aquatic organisms on an acute basis

ENVIRONMENTAL FATE: Biodegradation: Not subject to biodegradation; **Bio concentration:** Not expected; **Persistence:** Readily dissociates; **Bioaccumulation:** Readily dissociates; **Mobility in Soil:** Readily dissociates (Typical for this family of materials/major components).

SECTION 13 - DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Dispose of content and container in accordance with applicable local, regional, national, and/or international regulations. Reuse or reprocess the content if possible.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT: Not regulated (49 CFR 172.101).

CANADIAN TRANSPORTATION OF DANGEROUS GOODS (TDG): Not regulated

MARITIME TRANSPORT (IMO/IMDG): Not regulated

IATA/ICAO DGR INFORMATION: Not dangerous material or substance.

SECTION 15 - REGULATORY INFORMATION

U.S. REGULATIONS

OSHA: This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200. Considered hazardous based on the criteria "Irritant"; 29 CFR 1910.119: Not regulated.

CERCLA: Sections 102a/103 Hazardous Substances (40 CFR 302.4): Not regulated

SARA EHS Chemical: 40 CFR 355.30: Not regulated

EPCRA: Section 311/312 Hazard (40 CFR 370.10): Acute Health Hazard; Section 313 (40 CFR 372.65): To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

HMIS: Health-1; Flammability-0; Reactivity-0; Protection- See SECTION 8; (0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe)

NFPA: Health-1; Flammability-0; Reactivity-0; Special- See SECTION 5; (Scale 0-4)

NATIONAL INVENTORY STATUS

U.S. TSCA Inventory Status: All components are listed or exempt. TSCA 12(b): Not subject to export notification.

Canadian Chemical Inventory: All components of this product are listed on either the DSL or the NDSL.

WHMIS Classifications: WHMIS: D-1B (immediate and serious toxic effects).

STATE REGULATIONS:

California Proposition 65: Not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

SECTION 16 - OTHER INFORMATION

DISCLAIMER: *This product is for professional use only. The information contained herein was obtained from sources which Anti-Hydro International, Inc. believes are reliable. However Anti-Hydro International, Inc. does not warrant or assume any liability whatsoever for the accuracy or completeness of information contained herein. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. Final determination of suitability of this product or any material is the sole responsibility of the user. This product or any material may present unknown health and/or fire hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. This disclaimer may not be detached from this MSDS. Any copying and redistribution of this MSDS shall also include copying and redistribution of this disclaimer.*

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