



# Holland Company, Inc.

## EPIC WW 58

### Safety Data Sheet

#### SECTION 1. IDENTIFICATION

**Product Identifier**

**Product Name:** EPIC WW 58

**Other means of identification:** SDS ID: EPIC WW 58

**Recommended use of chemical and restrictions on use:** Water treatment, manufacturing applications.

**Company Information:**

Holland Company, Inc.

153 Howland Avenue

Adams, MA 01220 U.S.A.

Phone: 413-743-1292 FAX: 413-743-1298

**Emergency Phone:**

Holland Company 1-800-639-9602

Chemtrac (USA) 1-800-424-9300

CANTUTEC (Canada) 1-613-996-6666

#### SECTION 2. HAZARDS IDENTIFICATION



**WARNING - IRRITANT**  
**AVOID CONTACT**



**WARNING - CORROSION**  
**May be corrosive to metals**

**Hazard Statements**

Irritating to eyes Category 2

May be corrosive to some metals Category 1

Prolonged exposure may be irritating to skin

Do not ingest

**Precautionary Statements**

Avoid direct contact.

Use protective equipment if direct contact is possible.

Rinse and wash eyes and skin thoroughly after contact.

For storage and transfer equipment use appropriate materials of construction.

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS****Substance**

**Chemical name:** Liquid aluminum hydroxychloride

**Name:** EPIC WW 58

**CAS#:** 14215-15-7

**Impurities:** NA. No impurities or additives which are themselves classified and which contribute to the classification of the substance.

**SECTION 4. FIRST AID MEASURES**

**Eye contact:** Acute irritation.

Immediately rinse eyes with water for an extended period.

If irritation persists, get medical attention.

**Skin contact:** Possible acute irritation.

Remove contaminated clothing - footwear and wash skin with water.

If irritation develops get medical attention.

**Ingestion:** Possible acute discomfort.

In case of ingestion. Drink large amounts of water. Do not induce vomiting.

Get immediate medical advice.

**Inhalation of mist:** Possible acute irritation.

Remove from continued exposure.

If irritation or breathing difficulty occurs get immediate medical attention.

**Most important symptoms/effects:**

Serious eye irritation. Irritation to gastrointestinal tract.

**Indication of immediate attention and special treatment needed:**

If after direct contact, you feel unwell seek medical advice. Notes to physician treat symptomatically.

**SECTION 5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:**

Product is not flammable and will not burn. Use water to cool and maintain integrity of product containers.

**Unsuitable extinguishing media:**

None identified.

**Specific hazards from chemical:**

Negligible fire hazard.

Hazardous combustion products from a fire may be sulfur dioxide, hydrogen chloride.

**Protective equipment:**

As in any fire, appropriate firefighting protective gear and self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) should be used.



## SECTION 6. ACCIDENTIAL RELEASE MEASURES

**General:**

Site specific procedures to address accidental spills are necessary as dictated by facility design, location, staffing, containment structures, and regulatory requirements. Consult engineers as needed.

**Personal protection, protective equipment, and emergency services:**

In the event of a spill clear unnecessary staff from spill area, isolate area and restrict entry. Avoid eye and skin contact with spilled material. If direct contact with spilled material is likely use protective equipment to prevent contact with eyes and skin. Do not release into sewers or waterways.

**Methods and materials for containment and clean up:**

Prevent further leakage or spillage if safe to do so. Manage spilled liquid using containment structures or inert materials to collect for reuse. Product not reused can be neutralized and converted to aluminum hydroxide using a mild alkali such as soda ash, or calcium carbonate (agricultural lime). Neutralized residue can be swept up or rinsed down with water and captured using absorbent materials for disposal in accordance with local, state, province, and federal regulations.

**Caution:** When neutralizing large spills CO<sub>2</sub> will be created and can be a breathing hazard. Take steps to provide adequate ventilation.

## SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Avoid contact with eyes and skin. If direct contact with material is likely use protective equipment to prevent contact with eyes and skin. Do not eat, drink, take medication or smoke when direct contact is possible. Always thoroughly wash hands after leaving a work area where contact is possible or has occurred. Do not eat, drink, take medication or smoke when direct contact is possible.

**Ventilation:** No special requirements.

**Conditions for safe storage including any incompatibilities:**

Store in covered containers in a secure location. To minimize the possibility of a release into the environment or contact with incompatible materials, storage tanks should have a dedicated liquid tight secondary containment system. Have storage tanks, containers, and transfer systems properly labeled for contents. Annually empty storage tanks to inspect and clean. Perform regular maintenance cleaning of the transfer system. For accepting deliveries have procedures for determining product quantity in storage tanks. Use tanks, containers, and transfer systems, pumps, valves, and process control instrumentation of appropriate materials of construction. Some materials commonly used are FRP, plastic, PVC, CPVC, Teflon®, and special metal alloys.

**Incompatible materials:**

Avoid contact with sodium hypochlorite (bleach), chlorites, sulfites, strong bases, aqua ammonia, and other similar materials. Avoid contact with common metals such as copper, aluminum, brass, zinc, lower grades of stainless steel, and iron.

**Storage Conditions:** Preferred storage temperature range is 7°C-35°C (45°F-95°F).

Outside of this temperature range optimal product performance and shelf life may be affected.



## SECTION 8. EXPOSURE CONTROL / PERSONNAL PROTECTION

**Exposure guidelines:**

No exposure limits noted for this substance.

**Appropriate engineering controls:**

Eyewash stations. Showers. Local passive ventilation is typically used. Under normal conditions respiratory protective equipment is not needed.

**Individual protection measures, such as personal protective equipment:**

Wear appropriate protective goggles or protect eyeglasses. Wear clothing that will prevent skin contact. Seek professional advice when selecting respiratory protection equipment.

Wash any contaminated clothes before reusing. Do not eat, drink, take medication, apply cosmetics, or smoke where direct contact is possible. Always thoroughly wash hands after leaving a work area.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid clear to slight haze. Colorless to amber tint.

**Odor:** Negligible.

**Odor threshold:** Not determined.

**pH:** 2.5 - 3.0 @ 25°C (77°F) as is basis.

**Freeze point:** -10°C (14°F) + -

**Boiling point-range:** Not determined.

**Flash point:** NA.

**Evaporation rate:** Similar to water.

**Flammability (solid, gas):** Not flammable.

**Upper/lower flammability or explosive limits:** NA

**Vapor pressure:** Similar to water.

**Vapor density:** Similar to water.

**Relative Density (specific gravity):** 1.26 - 1.28 @ 21°C (70°F)

**Water Solubility:** Complete.

**Partial coefficient: n-octanol/water:** NA, inorganic compound column 2 of REACH Annex VII.

**Auto ignition:** Not flammable.

**Decomposition temperature:** Not determined.

**Viscosity:** 15-45 centipoise @ 23°C (73°F).

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions.

**Chemical stability:** Stable under recommended conditions of storage.

**Possible hazardous reactions:** Contact with strong alkalis such as sodium hydroxide, ammonia, hypochlorite (bleach) may generate heat, splattering and hazardous vapors.

**Hazardous polymerization:** Does not occur.

**Conditions to avoid:** Unaffected by static discharge, shock, or vibration.

**Incompatible Materials:** Chlorite, hypochlorite (bleach), sulfites, strong bases, common metals.

**Hazardous decomposition products:** None expected under normal conditions of use and storage.

**SECTION 11. TOXICOLOGY INFORMATION****Information on likely routes of exposure:**

Eye, Skin, Ingestion, inhalation (of liquid mists).

Reported Oral LD50 (Rat) > 5,000 mg/kg Dermal: No information Inhalation: No information

**Symptoms and immediate (Acute) effects:**

**Eye contact:** Contact causes serious eye irritation.

**Skin contact:** Repeated contact may cause irritation.

**Inhalation:** Avoid breathing liquid mists. May cause irritation.

**Ingestion:** Do not taste or swallow. May cause vomiting and discomfort.

**Symptoms and delayed (Chronic) effects:** NA

**Numerical measures of toxicity:** Not determined.

**Carcinogenicity listing:** NTP Not listed. IARC Not listed. OSHA Not listed.

**Reproductive toxicity, germ cell mutagenic, or teratogenic effects:** Not classified.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** An environmental hazard cannot be excluded in the event of incorrect or unprofessional handling, or disposal of unused material.

**Aquatic:** Reported Fish LC50 static 1460-1500 mg/L 48h *Leuciscus idus melanotuss*.

**Persistence and degradability:** Not determined

**Bioaccumulation potential:** Not determined

**Mobility in Soil:** Not determined

**Other adverse effects:** Not determined

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal of Waste:** Dispose of waste and unused material in accordance with applicable local, regional, and national laws and regulations.

**Contaminated packaging:** Dispose of waste and unused material in accordance with applicable local, regional, and national laws and regulations.

**SECTION 14. TRANSPORTATION INFORMATION**

**Note:** Please see current shipping documents for up the most to date information.

**Land (DOT), Sea (IMDG), Air (ICAO/IATA)**

**UN number:** UN3082

**Shipping name:** Environmentally hazardous substance inorganic N.O.S. (Polyaluminum Chloride)

**Hazard class:** 9

**Packing group:** III

**Environmental hazards:** No

**Special precautions:** None known



## SECTION 15. REGULATORY INFORMATION

**RCRA Hazardous waste:** Not Listed

**CERCLA Hazardous substance:** Not listed

**CWA (Clean Water Act):** Not listed

**CERCLA Reportable Quantity (RQ):** NA

**SARA 311/312 Hazard Categories:**

**Acute (immediate) health effects:** Yes    **Chronic (delayed) health effects:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactivity hazard:** No

**SARA 313 Toxic Chemical listing:** Not listed    **SARA Extremely hazardous substance (EHS):** Not listed

**OSHA Air (table Z-1, Z-1A):** Not listed    **OSHA Special Regulated Substance:** Not listed

**TSCA Section Inventory Status:** Product exempt or listed on the TSCA Inventory.

**Canadian Domestic Substances List (DSL):** Listed (1327-41-9)

**State - Province regulations:** Not determined

## SECTION 16. OTHER INFORMATION

**NSF International Certified:** As meeting NSF/ANSI/CAN Standard 60 for Water Treatment Chemicals  
Maximum use (MUL) 325 mg/L

**NFPA:** Health 1    Flammability 0    Stability 0    Instability 0    **Special Hazards** Not Determined

**HMIS:** Health 1    Flammability 0    Stability 0    Physical Hazards 0    **Personal Protection** Not Determined

**Preparatory statement:** The information in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information we have available, and belief as of the publication date. The information is designed solely as guidance for safe handling, storage, transportation, release, and disposal. This information is not to be considered a product warranty or quality specification.

### **Date Sources for the SDS:**

Literature, direct manufacturing experience, databases, practice, publications, own tests, regulations

**Revision:** June 30, 2020 replaces all earlier    **SDS ID:** EPIC WW 58



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