



Safety Data Sheet

Better Chemistry. Better Business

HALLTRONIC R 629

Revised: 1/18/23

1 IDENTIFICATION

Product Name: HALLTRONIC R 629
Product Code :2707017
Recommended use of the chemical and restrictions on use:Industrial applications

Hubbard-Hall Inc.
563 South Leonard Street
Waterbury, CT 06708
Telephone: 203-756-5521
Fax number: 203-756-9017

Emergency Phone Number
CHEMTREC: 1 (800) 424-9300
International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: DANGER

Hazard Category: Oxidizing Solid Hazard Category 3
Acute Toxicity-Oral Hazard Category 4
Acute Aquatic Toxicity-Category 2
Chronic Aquatic Toxicity-Category 2

Hazard Statements: May intensify fire, oxidizer
Harmful if swallowed.
Toxic to aquatic life with long lasting effects

Prevention: Keep away from heat.
Keep/Store away from clothing and other combustible material.
Take any precaution to avoid mixing with combustibles.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid releases to the environment
Wear rubber gloves, goggles and chemical protective clothing.
Wear flame resistant clothing.

Response: If swallowed: Call poison center, if you feel unwell.
If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes .
Rinse Mouth

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

In case of fire: USE WATER ONLY. Do not use dry chemicals, CO2, Halon, foam or fire blanket

Collect spillage

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

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Sodium Chlorate	-	7775-09-9	~45%

4 FIRST AID

After Inhalation:

If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical attention.

After Skin Contact:

If on skin immediately wash with plenty of water. Get medical attention.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

If swallowed: Rinse mouth. Call a doctor.

Most Important Symptoms/Effects

Inhalation:

Dusts-Mists of this product may cause irritation of the nose, throat and respiratory tract. High concentrations can be fatal.

Eye:

Irritation of eyes and skin.

Skin:

Prolonged exposure may cause skin irritation.

Ingestion:

This product is harmful if swallowed. Large exposure may be fatal. Ingestion of this product may cause nausea, vomiting, diarrhea, May cause difficulty breathing and unconsciousness. Alcohol consumed before and after exposure may increase adverse effects.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

USE WATER ONLY. Do not use dry chemicals, CO2, Halon, foam or fire blanket. **ALWAYS STAY AWAY** from the ends of tanks. Flood fire area with water from a distance. Cool containers with flooding quantities of water until well after the fire is out. For massive fires, fight fires from maximum distance or use unmanned hose holders or monitor nozzles. If this is not possible, withdraw from area and let burn.

Specific hazards arising from the chemical:

Keep away from flammable and combustible materials. Arsenic Trioxide and Sodium Chlorate form spontaneously flammable mixtures. Wood, paper, cloth and leather goods contaminated with chlorates are easily ignited and burn rapidly. Mixtures with combustible materials ignite easily and burn fiercely, or may explode. Closed containers of Sodium Chlorate may explode if heated above 265 °C (510 F). Mixing with acids may produce toxic and explosive chlorine dioxide and chlorine gas. Runoff may create fire or explosive hazard. May cause environmental damage. Sodium Chlorite decomposes on heating to produce oxygen gas, salt and heat. Traces of chlorine dioxide and chlorine may also be generated.

Special protective equipment and precautions for firefighter

Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc

For large spills, secure the area and control access. Dike far ahead of liquid spill to ensure complete collection. Water mist may be used to reduce or disperse vapors; but, it may not prevent ignition in closed spaces. This material will float on water and its run-off may create an explosion or fire hazard. Verify responders are properly HAZWOPER trained and wearing appropriate respiratory equipment and fire resistant protective clothing during clean up operations. In an urban area, clean up as soon as possible; in natural environments, cleanup on advice from specialists. Pick up free liquid for recycle and/or disposal if it can be accomplished safely with explosion-proof equipment. Collect any excess material with absorbant pads, sand, or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal. Comply with all laws and regulations.

Methods and Materials for containment & cleaning up:

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

Contain spill using noncombustible material such as vermiculite, or earth. **DO NOT** use combustible absorbents. Avoid contact with combustible materials such as wood, paper, oil or clothing. Dike far ahead of spill for later disposal. Notify the proper authorities.

7 HANDLING AND STORAGE

Precautions for safe handling:

Use only inert lubricants and packings for pumps, valves and other equipment. Exchange lubricants at regular intervals. Chlorates should be handled so as to avoid scattering of dust. Electrical supply and distribution points are to be cleaned periodically of dust. Avoid contact with incompatibles. Keep container closed when not in use. Avoid contact with skin and eyes. Keep away from sources of heat and ignition.

Conditions for safe storage, inc any incompatibilities:

Store in a cool, dry, and fireproof area away from heat sources including friction and impact.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Sodium Chlorate	ACGIH	15 mg/m3 (total Dust)	-

ACGIH - American Control of Governmental Hygenists
 OSHA - Occupational Safety and Health Administration

Ventilation: Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV) Time Weight Average (TWA).

Respiratory Protection: Not required if proper ventilation controls are employed.

Other: Safety shower in work area.

Protective Gloves: Rubber gloves

Eye Protection: Wear chemical safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White mobile liquid.
Odor: fruity odor
Odor Threshold: N/A
PH: 7.5-8.5
Melting Point/Freezing Point: N/A
Initial Boiling Point and Boiling Range: N/A
Flash Point: None
Evaporation Rate: N/A
Flammability (solid, gas): N/A
Upper/Lower flammability or explosive limits: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Relative Density: 1.38-1.39
Solubility (ies): Complete in water
Partition Coefficient; n-octanol/water: N/A
Auto-ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: N/A

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Conditions to Avoid: Extremely high temperatures
Hazardous Decomposition Products: Sodium Chlorate decomposes on heating to produce oxygen gas, salt, and heat. Traces of chlorine dioxide and chlorine may also be generated.

11 TOXICOLOGICAL INFORMATION

Oral Administration: Sodium Chlorate-LC50(Rat)->5000 mg/kg
Inhalation: Sodium Chlorate(Dust)-LC50(Rat)-112,000 mg/m³ 4 h
Irritation: May cause irritation to skin and eyes.
Routes of Exposure Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Fish, *Oncorhynchus mykiss* Sodium Chlorate-LD50-2750 mg/L 48 h
Daphnia Magna, Sodium Chlorate-LC50-880 mg/L 24 h
Persistence and Degradability: Not Available
Water result: Pronounced solubility and mobility
Soil/Sediment Result: No data available

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number: 2428
UN Proper Shipping Name: SODIUM CHLORATE SOLUTION,
Transport Hazard Class (es): 5.1
Packing Group: III
ERG: 140

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 1

Sara Hazard Classification The chemicals in this product are not subject to SARA Title III, Section 313 Reporting Requirements.
Proposition 65 No Proposition 65 listed components in this formula
TSCA Inventory Status All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.