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MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTITY

Common Name (used on label)
(Trade Name & Synonyms)

Chamber Brite
Chamber Brite -Autoclave cleaner - acidic descaler

Chemical Family:

Acidic Salts

SECTION 2 - INGREDIENTS

Components - Hazardous

CAS No.

Threshold Limit Value
(or other hazard data)

Sodium Gluconate

527-07-1

LD50> 1000mg/kg

Citric acid

0077-02-0

LD50> 1000 mg/kg

Poly ethylene oxid alcohol

26027-38-3

LD50> 2000 mg/kg

SECTION 3 - PHYSICAL DATA

Boiling Point/Range: N/A

Melting Point: N/A

Specific Gravity: (H2O=1)

Vapor Pressure (MM HG): N/A

Vapor Density (Air=1): N/A

Solubility in H2O: Complete

Appearance and odor: Salts Mixture

pH: (0.5%) : 2.2

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flash Point:
Lower: NA

Flammable Limits:
Upper: NA

Autoignition Temp.
NA

Extinguishing Media: Water- Water- Water
Spray Fog Stream

Special Fire Fighting Procedures: Wear self contained breathing apparatus: Cool fire exposed containers with water.

SECTION 8 - HEALTH HAZARDS

Permissible exposure limits

No exposure limit has been established for this mixture.

Emergency and First Aid Procedures:

Ingestion - If swallowed

Do not induce vomiting - give plenty of water or milk - get medical attention

Dermal

Wash with soap and water - get medical attention

Eye Contact

Flush with plenty of water for at least 15 minutes - get medical attention

If in eyes, immediately flush eyes with plenty of water, for at least 15 minutes. Hold eyelids open while flushing.

Inhalation

Remove to fresh air.

SECTION 9 - REACTIVITY DATA

Stability: Stable.

Conditions contributing to instability: NA

Hazard rating (NFPA 704M): Extreme high 4 High 3 Moderate 2
Slight 1 Least 0

Health (Blue) 2

Flammability (Red) 0

Reactivity (Yellow) 0

Incompatibility - avoid contact with:

Strong Alkalis, strong oxidizers

Hazardous decomposition thermal and other:

Thermal: Oxide of carbon

Conditions to avoid: see above

SECTION 7 - TOXICITY DATA

Route: N/E Oral: N/E Dermal: N/E Inhalation N/E

Toxic effects/routes of entry

Eye Effects: Corrosive

Overexposure will cause severe burns that may result in permanent damage to the eyes. Exposure to low level concentrations may cause moderate irritation or conjunctivitis.

Skin Effects: Irritant

Contact with skin may cause moderate to severe irritation. This product tends to remove skin oils, possibly leading to irritation and dermatitis.

Other Toxic Effects:

This product does not contain any components listed by IARC, NTP or OSHA as carcinogens.

Target Organ Toxic:

This product may cause irritation to eyes and skin.

Toxicity comments: N/E

SECTION 8 - SPILL OR LEAK PROCEDURES

Flush with water Absorb with sand or inert material Neutralize

Prevent spread or spill

Spill or release procedure:

Confine spill. Stop leak at source if this can be done safely. Be sure area is well ventilated. Transfer material into drums for disposal. Wash area with water. Residual amounts should be flushed to the local waste treatment.

Absorb with non-combustible material and place residue in DOT approved waste container. Keep out of sewers, storm drains and surface waters.

Consult Federal, State or local authorities for proper disposal procedures.

SECTION 2 - SPECIAL PROTECTION INFORMATION

Ventilation requirements: Local exhaust Eye: Safety glasses

Eye Protection: Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment immediately available

Hand (Glove type): Any non-permeable to product

Liquid-proof rubber or neoprene gloves are recommended.

Respirator type: Cartridge

Filters Mist

Respiratory Protection: Avoid breathing mist/dust. Use NIOSH/MSHA approved respiratory protection, appropriate to the components, when air exposure limits are exceeded. Consult respirator manufacturer to determine appropriate type equipment. Observe use limitations specified by NIOSH/MSHA or the manufacturer. For emergency and other conditions where exposure limits may be significantly exceeded, use an approved full face positive pressure, self contained breathing apparatus or positive pressure airline with auxiliary self contained air supply. Respiratory protection programs must comply with 29 CFR. 1910.134.

Other protective equipment: Apron

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