



Revised 12/01/2001

Sterilization & Infection Control Products

## MATERIAL SAFETY DATA SHEET

### SECTION 1 – IDENTITY

Common name (used on label) = Chamber Brite  
(Trade name & synonyms) = 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	0077-92-9	LD50>1000mg/kg
Poly ethylene oxid alcohol	28027-38-3	LD50>2000mg/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:      Flammable limits:      Auto ignition temp.  
Lower: N/A      Upper: N/A      N/A

Extinguishing media: Water-      Water-      Water  
   Spray      Fog      Stream

Special fighting procedures: Wear self-contained breathing apparatus.  
Cool fire exposed containers with water.

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**MATERIAL SAFETY DATA SHEET**  
**SIMILAR TO OSHA-20**

NE - NOT ESTABLISHED / NA - NOT APPLICABLE

PRODUCT NAME: **KLEENWISE™**  
PRODUCT DESCRIPTION: YELLOW CRYSTALS, ESSENTIALLY ODORLESS

**SECTION 1 - GENERAL INFORMATION**

CHEMICAL FAMILY: Dry acid blend  
HAZARD CLASSIFICATION: Not regulated  
SHIPPING NAME:

HAZARD SIGNALS:  
HEALTH 2 INSTABILITY 0  
FIRE 0 OTHER  
(0 - insignificant; 1 - slight; 2 - moderate;  
3 - high; 4 - extreme. Describes short term  
hazards only.)

**SECTION 2 - HAZARDOUS INGREDIENTS**

HAZARDOUS COMPONENTS	CAS#	TLV	OSHA PEL	Section 313?	% (optional)
Sulfamic Acid	5 329-14-6	NE	NE	No	—
Citric Acid	77-92-9	NE	NE	No	—

**SECTION 3 - PHYSICAL DATA**

Boiling point -	Decomposes	Vapor density -	NA
Specific gravity -	NA	Vapor pressure -	NA
Percent volatile -	NA	Evaporation rate -	NA
Appearance and odor see document header		Solubility in water	Soluble

**SECTION 4 - FIRE AND EXPLOSION**

FLASH POINT (temp at which it gives off combustible vapors)	0.0
Flammable limits - lower:	Non-combustible
Flammable limits - upper	Non-combustible
EXTINGUISHING MEDIA:	No restrictions (product dissolves in water)
SPECIAL FIRE FIGHTING PROCEDURES:	Firefighters should wear self-contained breathing apparatus. Use protective clothing to avoid skin contact with product.
UNUSUAL FIRE & EXPLOSION HAZARDS:	None (non-combustible)

STABLE:	Yes
CONDITIONS TO AVOID:	None
INCOMPATIBILITY:	Bases, carbonates, metal oxides, active metals, chlorine, hypochlorous acid, hypochlorites, cyanide or sulfides.
HAZARDOUS DECOMPOSITION PRODUCTS:	SO <sub>x</sub> , NO <sub>x</sub> , and ammonia
HAZARDOUS POLYMERIZATION:	will not occur

**SECTION 6 - HEALTH HAZARD DATA**

Threshold limit value:	NA We recommend an 8-hour time weighted average of 1 mg/m <sup>3</sup> in air.
Health hazards - Chronic	May cause irritation to the skin, eyes and mucous membranes.
This product has <i>not</i> been identified as a carcinogen or probable carcinogen by:	NTP, IARC Monographs or OSHA.
Medical conditions generally aggravated by	

exposure:

unknown

#### **EFFECTS OF OVEREXPOSURE**

EYES:

Burns

SKIN:

Possible irritation or burns upon prolonged contact. (of dust) irritation of nose and throat. Note - inhalation of dust is an unlikely route of exposure.

INHALATION:

The product is dedusted and non-volatile  
Burns of mouth and mucous membrane

INGESTION:

#### **EMERGENCY AND FIRST AID PROCEDURES**

EYES:

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if applicable. Contact a physician.

SKIN:

Rinse thoroughly with soap and water. Remove contaminated clothes and wash before reuse.

Contact a physician if irritation persists.

INHALATION:

Remove to fresh air. If breathing difficulties occur, seek medical attention.

INGESTION:

Drink large quantities of water. Do not induce vomiting. Call for medical advice or assistance.

#### **SECTION 7 - PROTECTIVE EQUIPMENT**

RESPIRATOR TYPE:

None normally required.

VENTILATION:

Use with adequate ventilation to avoid breathing dust. Avoid breathing concentrated mists or sprays. (product is dedusted)

EYE PROTECTION:

Safety goggles and/or face shield where conditions warrant.

PROTECTIVE GLOVES:

Rubber gauntlet type.

OTHER PROTECTIVE EQUIPMENT:

Eyewash stations. Rubber protective clothing as required to avoid prolonged or repeated skin contact.

#### **SECTION 8 - PRECAUTIONS FOR HANDLING AND USE**

HANDLING AND STORING:

Incidental contact with this product normally causes no harm. However, as with any industrial cleaner, some basic safety measures should be observed. Guard against ingestion of dusts, etc. and wash thoroughly after handling. Do not get in eyes, on skin, or leave on clothing.

OTHER PRECAUTIONS:

Store in a cool, dry place away from sources of contamination. Keep container closed to avoid caking or contamination.

STEPS TO BE TAKEN IN CASE MATERIAL IS

RELEASED OR SPILLED:

Sweep up spills and wash spilled area with water.

WASTE DISPOSAL METHODS:

Dispose of waste as allowed by local, state and federal regulations.

#### **DISCLAIMER:**

The above information is, to the best of our knowledge current, accurate, and complete based on information reasonable available to us as of the date of preparation of this form. However, it is the user's responsibility to determine the safety, toxicity and suitability for his or her own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by us as to the effects of such use or on the safety or toxicity of this product. Nor do we assume any liability arising out of use by others of the product. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when exceptional conditions or circumstances exist or because of applicable laws or regulations.