

Excelle™ CHG 4%

Chlorhexidine Gluconate 4% Solution

COTTRELL 
Providing Over 20 Years of
Infection Control

MATERIAL SAFETY DATA SHEET • MSDS # EXC000

ISSUE DATE: May 2001 (Supersedes January 1996)

Cottrell, Ltd. urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate, to use and understand the data in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers, and other users of the product of this information.

Emergency and First Aid Procedures

SWALLOWING: Get medical help or contact Poison Control
Center right away.

SKIN: Wash with water.

INHALATION: No hazard.

EYES: Flush eyes with low pressure water for at least 15 minutes. If irritation persists, seek medical attention.

NOTES TO PHYSICIAN:

No specific antidote. Treatment based on sound judgment of physician and individual reaction of patient.

Phone: (303) 799-9401 • Emergency No.: (800) 535-5053

I. IDENTIFICATION

PRODUCT NAME: Excele CHG 4% Chlorhexidine Gluconate 4% Solution

CHEMICAL NAME: N/A

FORMULA: N/A

MOLECULAR WEIGHT: N/A

SYNONYMS: N/A

II. HAZARDOUS INGREDIENTS

Isopropyl Alcohol
Chlorhexidine Gluconate 4% Solution)
Para-Chloroaniline P.C.A.

NAME	CAS #:
Chlorhexidine Gluconate	18472-51-0

III. PHYSICAL DATA

BOILING POINT: 200°F (93°C)

FREEZING POINT: 32°F (0°C)

SPECIFIC GRAVITY (H₂O = 1): 1.01

VAPOR DENSITY: N/A

SOLUBILITY IN WATER by wt.: Soluble.

EVAPORATION RATE (butylacetate = 1): Approx. same as water.

APPEARANCE: Colorless liquid

ODOR: Faint alcohol-like odor.

IV. FIRE AND EXPLOSION HAZARD

FLASH POINT: 125°F (52°C) closed cap

FLAMMABLE LIMITS IN AIR: Not flammable

EXTINGUISHING MEDIA: Water, fog, foam, dry chemical, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Must wear MSHA/Ninos approved self-contained breathing apparatus. Cool fire exposed containers with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Thermal decomposition may produce toxic fumes of ammonia hydrogen chloride and oxides of carbon and nitrogen.

V. HEALTH HAZARD DATA

Component	%	OSHA PEL	ACGIH TLV
Isopropyl Alcohol	4.0	400 ppm	400 ppm
Chlorhexidine Gluconate	4.0	D.N.A.	D.N.A.
Para-Chloroaniline P.C.A.	-	D.N.A.	500 ppm

EFFECTS OF SINGLE OVEREXPOSURE:

SWALLOWING: Unlikely.

SKIN ABSORPTION: Dermatitis

INHALATION: No hazard.

SKIN CONTACT: Irritant.

EYE CONTACT: Irritant. Reported to cause serious and permanent eye injury when it has been permitted to enter and remain in the eye.

EFFECTS OF REPEATED OVEREXPOSURE: None known.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Dermatitis

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION: None known.

OTHER EFFECTS OF OVEREXPOSURE: Has been reported to cause deafness when instilled in the middle ear through perforated ear drum.

VI. REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Temperatures over 104°F (40°C) over a long period of time.

INCOMPATIBILITY (MATERIALS TO AVOID): Anionic detergents.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
 Rinse area with water.

WASTE DISPOSAL METHOD:
 Flush with water.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): None required

PROTECTIVE GLOVES: Not needed.

EYE PROTECTION: Use Chemical Goggles

OTHER PROTECTIVE EQUIPMENT: None required.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 Store at room temperature.

OTHER PRECAUTIONS:
 Avoid contact with ears and eyes.
 KEEP OUT OF REACH OF CHILDREN.

CHEMICAL WARNING LABELS

Chemical warning labels are required on all containers, tubs, and bottles which are filled or refilled with potentially hazardous substances from an original, manufacturer-labeled container.

The following hazard ratings correspond to the NFPA Rating System.

Below is a sample of a chemical warning label, which reflects chemical information for Excelle™ CHG 4%. It clearly communicates what each hazard means – no wall chart is necessary.

NFPA HAZARD RATING

<p>HEALTH: 2 Keep out of ears and eyes.</p> <p>FLAMMABILITY: 2 Avoid temperatures over 104°F (40°C) over long periods of time.</p> <p>REACTIVITY: 0 Stable – does not react with water.</p>	<p>4 - Extreme 3 - High 2 - Moderate 1 - Slight 0 - Insignificant</p>
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Product Name: <u>Excelle™ CHG 4%</u> Hazardous chemical(s): <u>Chlorhexidine Gluconate</u>					
Route of Entry: <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Skin/Eye Absorption					
Target Organ Effects: <input type="checkbox"/> Respiratory <input type="checkbox"/> Prostate <input type="checkbox"/> Heart <input type="checkbox"/> Blood <input type="checkbox"/> Kidney <input type="checkbox"/> Liver <input type="checkbox"/> Eyes <input type="checkbox"/> CNS <input type="checkbox"/> Skin <input type="checkbox"/> Other: _____					
Personal Protection: <u>Glasses</u> MSDS#: _____					
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