

**MANUFACTURER**

Castle Products, Inc.  
 424 St. Paul Street  
 Rochester, NY 14605  
 1-800-876-0222  
 EMERGENCY (585) 275-3232

**MATERIAL SAFETY DATA SHEET**

Hazard: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.  
 Protection: A-Goggles, B-Goggles & gloves,  
 C-Goggles, gloves, & protective wear.  
 Other: NA-Not Applicable, ND-Not Determined,  
 NE-Not Established.

**HAZARD RATING**

Health 3  
 Fire 1  
 Reactivity 0  
 Protection B  
 EPA Reg. No. 6836-73-57761

**SECTION I DESCRIPTION**TRADE NAME: **Castle® H-110™**

PRODUCT TYPE: Disinfectant Cleaner

**SECTION II HAZARDOUS INGREDIENTS**

INGREDIENT	CAS #	PEL	TLV	STEL	%
N-N Dialkyl (C8-10)-N,N-dimethylammonium chloride N-Alkyl	68424-95-3	NE	NE	NE	NE
(C12-16)dimethylbenzylammonium	68424-85-1	NE	NE	NE	NE
Tetrasodium ethylenediamine tetraacetate	64-02-8	NE	NE	NE	NE
Sodium metasilicate	6834-92-0	NE	NE	NE	NE
Ethanol	64-17-5	1000 ppm	1000 ppm	NE	NE

**SECTION III PHYSICAL DATA**

BOILING POINT:	NA	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	1.020	pH: 13.0
VAPOR PRESSURE:	NA	PERCENT VOLATILE BY VOL %:	NA	
VAPOR DENSITY (air=1):	NA	EVAPORATION RATE (Butyl Acetate=1):	NA	
SOLUBILITY IN WATER:	Soluble	APPEARANCE & ODOR:	Green / Mint	

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (method used): >200°F LOWER EXPLOSIVE LIMIT: ND UPPER EXPLOSIVE LIMIT: ND  
 EXTINGUISHING MEDIA: Alcohol foam, CO<sub>2</sub>, dry chemical, or water fog.  
 UNUSUAL FIRE & EXPLOSION HAZARDS: Unknown.  
 SPECIAL FIRE FIGHTING PROCEDURES: Unknown.

**SECTION V HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Eye contact, skin contact, inhalation, and ingestion.  
 EFFECTS OF OVEREXPOSURE: Cause skin and eye damage - CORROSIVE - harmful if swallowed. Avoid contamination of food. Toxicity: Acute Oral LD50: 1.85 g/kg Rats.  
 EMERGENCY & FIRST AID PROCEDURES: Flush eyes and skin with plenty of water for at least 15 minutes. Call physician. Ingestion-promptly drink large quantities of milk, egg whites. If not available, drink large quantities of water. Avoid alcohol. Call physician.

**SECTION VI REACTIVITY DATA**

STABILITY: Stable under normal conditions.  
 INCOMPATIBILITY (materials to avoid): Unknown.  
 HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Unknown.

**SECTION VII SPILL OR LEAK PROCEDURES**

IF RELEASED OR SPILLED: Absorb with absorbing compound.  
 WASTE DISPOSAL METHOD: DO NOT contaminate water, food, or feed by disposal. Dispose according to federal, state, and local regulations.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

VENTILATION: LOCAL XXXXX MECHANICAL OTHER  
 RESPIRATORY PROTECTION: If ventilation is inadequate, use approved respirator.  
 EYE PROTECTION: Chemical goggles.  
 PROTECTIVE GLOVES: Rubber.  
 OTHER PROTECTIVE EQUIPMENT: Face shield.

**SECTION IX SPECIAL PRECAUTIONS**

HANDLING & STORING PRECAUTIONS: Storage temperatures: Max. 40°C and Min. 0°C. Avoid sunlight.

PREPARED: 7/3/01

UPDATED: 1/10/11

 PRODUCT #: C39128, C3905, C3915P,  
 C3930P, C3955P