

MANUFACTURER

Castle Products, Inc.
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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 1
Fire 1
Reactivity 0
Protection B
EPA Reg. #: 47371-89-64174

SECTION I DESCRIPTIONTRADE NAME: **Castle® Freshway™**

PRODUCT TYPE: Germicidal Cleaner

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	PEL	TLV	STEL	%
N-Alkyl (C ₁₂₋₁₈) dimethylbenzyl ammonium chloride	68391-01-5	NE	NE	NE	NE
N-Alkyl (C ₁₂₋₁₈) dimethylethylbenzyl ammonium chloride	68956-79-6	NE	NE	NE	NE
Liquefied Petroleum Gas	68476-86-8	NE	1000 ppm	NE	NE

SECTION III PHYSICAL DATA

BOILING POINT:	>200°F	SPECIFIC GRAVITY (H ₂ O=1):	0.98-1.20	pH: 11.0 – 12.0
VAPOR PRESSURE:	NE	% VOC:	5 %	
VAPOR DENSITY (air=1):	NE	EVAPORATION RATE:	Slower than Butyl Acetate	
SOLUBILITY IN WATER:	Soluble	APPEARANCE & ODOR:	Clear / Pine Odor	

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): NE LOWER EXPLOSIVE LIMIT: ND UPPER EXPLOSIVE LIMIT: ND
EXTINGUISHING MEDIA: Alcohol foam, CO₂, dry chemical (B-C), or water.
UNUSUAL FIRE & EXPLOSION HAZARDS: Contents under pressure. Do not expose to temperatures exceeding 120°F as containers may vent, rupture, or burst. Products of combustion are toxic.
SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool using water spray. Use equipment to protect personnel from bursting or venting containers. Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

SECTION V HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Eye contact, skin contact, inhalation, and ingestion.
EFFECTS OF OVEREXPOSURE: • Eyes and skin: Irritation. • Inhalation: Irritation. • Ingestion: Harmful if swallowed.
EMERGENCY & FIRST AID PROCEDURES: • Eyes: Flush eyes with water for at least 15 minutes. Get medical attention if irritation persists. • Skin: Wash affected areas with soap and water. Get medical attention if irritation persists. • Inhalation: Remove to fresh air. Apply artificial respiration if necessary. Get medical attention. • Ingestion: Do not induce vomiting. Drink water or milk. Get medical attention immediately.

SECTION VI REACTIVITY DATA

STABILITY: Stable under normal conditions.
INCOMPATIBILITY (material to avoid): Strong oxidizers or reducing agents.
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide.

SECTION VII SPILL OR LEAK PROCEDURES

IF RELEASED OR SPILLED: Soak up spilled liquid with absorbent material. Place in closed drum for proper disposal.
WASTE DISPOSAL METHOD: Dispose in accordance with federal, state, and local regulations. Wrap container in newspaper and place in trash.

SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION: LOCAL XXXXX MECHANICAL OTHER
RESPIRATORY PROTECTION: None required for normal use. Use adequate ventilation. If ventilation is inadequate, use an approved respirator.
EYE PROTECTION: Use when necessary to prevent eye contact.
PROTECTIVE GLOVES: Wear glove if skin contact causes irritation.
OTHER PROTECTIVE EQUIPMENT: None required.

SECTION IX SPECIAL PRECAUTIONS

HANDLING & STORING PRECAUTIONS: Keep away from heat, sparks, or open flame. Do not puncture or incinerate containers. Keep out of reach of children. Store in accordance with NFPA 30B for Level 2 Aerosols. Store in temperatures below 120°F.

PREPARED: 6/17/93

UPDATED: 1/7/11

PRODUCT #: C2021