

**MANUFACTURER**

Castle Products, Inc.  
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**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 2  
Reactivity 0  
Protection B

**SECTION I DESCRIPTION**

TRADE NAME: **Castle<sup>®</sup> Supreme<sup>™</sup>**

PRODUCT TYPE: Windshield Solvent with Bead-Away<sup>™</sup> Water Repellant

**SECTION II HAZARDOUS INGREDIENTS**

INGREDIENT	CAS #	PEL	TLV	STEL	%
Methanol	67-56-1	NE	NE	NE	25-35 %

**SECTION III PHYSICAL DATA**

BOILING POINT:	148.1°F to 212°F	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	0.9 to 0.95
VAPOR PRESSURE:	< 12.8 kPa (@ 20°C)	PERCENT VOLATILE BY VOL %:	NE
VAPOR DENSITY (Air=1):	< 1.11	EVAPORATION RATE:	2.1 compared to Butyl Acetate
SOLUBILITY IN WATER:	Soluble	APPEARANCE & ODOR:	Bluish-Purple / Alcohol

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (method used): 86°F (Closed Cup) LOWER EXPLOSIVE LIMIT: 6 % UPPER EXPLOSIVE LIMIT: 36 %  
EXTINGUISHING MEDIA: For small fire, use dry chemicals, CO<sub>2</sub>, alcohol foam, or water spray. For large fire, use alcohol foam, water spray, or fog.  
UNUSUAL FIRE & EXPLOSION HAZARDS: Combustible liquid and vapor. Vapor may cause near invisible flash fire.  
SPECIAL FIRE FIGHTING PROCEDURES: Cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition, or explosion.

**SECTION V HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Eye contact, skin contact, inhalation, and ingestion.  
EFFECTS OF OVEREXPOSURE: • Eyes: Irritation. • Skin: Inflammation characterized by itching, scaling, reddening, or (occasionally) blistering.  
• Inhalation: Hazardous. • Ingestion: Poisonous: harmful or fatal if swallowed!  
EMERGENCY & FIRST AID PROCEDURES: • Eyes: IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. • Skin: Gently and thoroughly wash affected area with running water and non-abrasive soap. If irritation persists, seek medical attention. Wash affected clothing before reusing. • Inhalation: Allow victim to rest in a well-ventilated area. Seek medical advice. • Ingestion: INDUCE VOMITING if patient is alert. Lower the head so that the vomit will not reenter the mouth and throat. Have conscious person drink several glasses of water or milk. SEEK IMMEDIATE MEDICAL ATTENTION!

**SECTION VI REACTIVITY DATA**

STABILITY: Stable under normal conditions.  
INCOMPATIBILITY (materials to avoid): Oxidizing agents, acids, and alkalis.  
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: Small spill or leak: Dilute with water and mop up, or absorb with an inert dry material. Place in an appropriate waste disposal container. Large spill or leak: Flammable liquid. Keep away from heat. Keep away from all sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand, or other non-combustible material. Place in appropriate container.  
WASTE DISPOSAL METHOD: Dispose in accordance with federal, state, and local regulations.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

VENTILATION:	LOCAL	XXXXX	MECHANICAL	OTHER
RESPIRATORY PROTECTION:	Wear appropriate respirator when ventilation is inadequate.			
EYE PROTECTION:	Splash goggles.			
PROTECTIVE GLOVES:	Impervious gloves.			
OTHER PROTECTIVE EQUIPMENT:	No special protective clothing is required. Ensure that eyewash stations and safety showers are near the location of the workstation.			

**SECTION IX SPECIAL PRECAUTIONS**

HANDLING & STORING PRECAUTIONS: Handle with care. Avoid all possible sources of ignition (heat, spark, or flame). After handling, always wash hands thoroughly with soap and water. Keep away from incompatible materials. Store in a cool, well-ventilated place.

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