

# SAFETY DATA SHEET

## SECTION 1 PRODUCT and COMPANY INFORMATION

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

PRODUCT TYPE: Windshield De-icing Solvent  
PRODUCT CODE: C30128

MANUFACTURED FOR: Castle Products, Inc.  
424 St. Paul Street  
Rochester, NY 14605  
800-876-0222 • FAX 585-325-4514  
EMERGENCY 585-275-3232

## SECTION 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER: Flammable, Acute Toxicity, Irritant



Not expected to produce significant adverse health effects when the recommended instructions for use are followed. Avoid prolonged contact with eyes, skin, and clothing.

POTENTIAL HEALTH EFFECTS:

Eyes: Slightly hazardous.  
Skin: Slightly hazardous.  
Inhalation: Hazardous..  
Ingestion: Extremely hazardous.

## SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

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

## SECTION 4 FIRST AID MEASURES

First Aid Procedures:

Eye contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 20 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician if irritation persists.

Skin contact: For skin contact flush with large amounts of water. Call a physician if irritation persists.

Inhalation: Immediately remove from further exposure. Give supplemental oxygen, if breathing is difficult. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Ingestion: IF SWALLOWED: Wash mouth out with water. Remove dentures if an. Do NOT induce vomiting. Give a glass of water. Stop if person feels sick, as vomiting may be dangerous. If vomiting occurs, keep head low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person.

Note to physician: Acute exposure to methanol, either through ingestion or breathing high airborne concentrations, can result in symptoms appearing between 40 minutes and 72 hours after exposure. Symptoms and signs are usually limited to CNS, eyes, and gastrointestinal tract. Because of the initial CNS's effects of headache, vertigo, lethargy, and confusion, there may be an impression of ethanol intoxication. Blurred vision, decreased acuity and photophobia are common complaints. Treatment with ipecac or lavage is indicated in any patient presenting within two hours of ingestion. A profound metabolic acidosis occurs in severe poisoning and serum bicarbonate levels are a more accurate measure of severity than serum methanol levels. Treatment protocols are available from most major hospitals and early collaboration with appropriate hospitals is recommended.

## SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: 86°F (30°C)

LOWER EXPLOSIVE LIMIT: 6% UPPER EXPLOSIVE LIMIT: 36%

EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Appropriate for surrounding fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear pressure-demand self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate

protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.

Large Spills: Dike far ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing. Wash hands after handling.  
Storage: Keep from freezing. Keep containers tightly closed. Store in a cool, dry place.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits: None Established.

Engineering controls: Use local exhaust ventilation.

Personal protective equipment:

General: Eye wash fountain and emergency showers are recommended.

Eye/face Protection: Wear safety glasses or goggles.

Skin Protection: Wear suitable protective clothing. Use impervious gloves.

Respiratory Protection: When respiratory protection is required, wear a NIOSH/MSHA approved self-contained breathing apparatus with full facepiece operated in a positive-pressure mode.

## SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT: NE

VAPOR PRESSURE: <96mm Hg

VAPOR DENSITY (air=1) <1.1

SOLUBILITY IN WATER: Soluble

pH: 8-11

SPECIFIC GRAVITY (H<sub>2</sub>O=1): NE

PERCENT VOLATILE BY VOL %: NE

EVAPORATION RATE (Butyl Acetate=1): 2.1

APPEARANCE & ODOR: Purple liquid / Slight Alcohol

## SECTION 10 STABILITY and REACTIVITY DATA

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (material to avoid): Strong oxidizing agents, acids, and alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

HAZARDOUS POLYMERIZATION: Will not occur

## SECTION 11 TOXICOLOGICAL INFORMATION

Components Test Results: Not available.

Carcinogenicity: May be fatal or cause blindness if swallowed.

## SECTION 12 ECOLOGICAL INFORMATION

Component Test Results: Not available. No known significant effects or critical hazards.

## SECTION 13 DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose according to all applicable Federal, State, and Local regulations.

## SECTION 14 TRANSPORT INFORMATION

DOT Class 3: Flammable liquid, UN1987, Packing Group III.

Special Provisions: In containers of 450L or less, this product meets the requirements for exemption under TDG regulation special provisions, part 1, section 1.36b: Class 3, Flammable liquids: Alcohol Exemption.

## SECTION 15 REGULATORY INFORMATION

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 extremely hazardous substance: No  
Section 311 hazardous chemical: No

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

## SECTION 16 OTHER INFORMATION

Further information: (HMIS® is a registered trade and service mark of the NPCA.)

HMIS® ratings    Health: 2  
                      Flammability: 3  
                      Physical hazard: 0  
                      Personal protection: B  
                      Hazard: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.  
                      Protection: A-Goggles, B-Goggles & gloves, C-Goggles, gloves, & protective wear.  
                      Class B-2: Flammable liquid, Class D-1B: Material causing immediate and serious toxic effects (Toxic), Class D-2A:  
Material causing other toxic effects (Very Toxic), Class D-2B: Material causing other toxic effects (Toxic).  
NFPA ratings    Health: 2  
                      Flammability: 3  
                      Instability: 0

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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