

# SAFETY DATA SHEET

## SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® Shop-Solv™**

PRODUCT TYPE: Multi-Purpose Solvent  
PRODUCT CODE: C0894, C2094, C2495

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: Gases Under Pressure, Flammable, Acute Toxicity



POTENTIAL HEALTH EFFECTS: Eyes: May cause irritation.

Skin: May cause irritation. Prolonged exposure may cause fating dermatitis.

Inhalation: May cause irritation. Propellant is a simple asphyxiant.

Ingestion: May cause headache, nausea, vomiting, and weakness.

Effects of acute exposure: Long term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis.

## SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	PEL	TLV	STEL	%
Heptane	142-82-5	400 ppm	NE	NE	60-100%
Ethanol	64-17-5	1000 ppm	NE	NE	5-10%
Carbon dioxide	124-38-9	5000 ppm	NE	NE	3-7%
Methanol	67-56-1	200 ppm	NE	NE	1-5%

## SECTION 4 FIRST AID MEASURES

First Aid Procedures:

Eye contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 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: Immediately call a POISON CENTER or doctor/physician. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person.

Note to physician: If the product is ingested, treat the affected person symptomatically.

## SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: 19°F (-7°C)

LOWER EXPLOSIVE LIMIT: 1.2% UPPER EXPLOSIVE LIMIT: 6.7%

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.

Leak/Spill: Remove all sources of ignition.

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: Keep away from heat, sparks, and open flames. 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:	172-197°F (78-92°C)	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	0.66-0.70
VAPOR PRESSURE:	85-105	PERCENT VOLATILE BY VOL %:	99-100%
VAPOR DENSITY (air=1):	>1	EVAPORATION RATE (Butyl Acetate=1):	>1
SOLUBILITY IN WATER:	Negligible	APPEARANCE & ODOR:	Clear colorless liquid / mild solvent
pH:	NA		

## SECTION 10 STABILITY and REACTIVITY DATA

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (material to avoid): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Hydrocarbon fumes and smoke.

HAZARDOUS POLYMERIZATION: Will not occur

## SECTION 11 TOXICOLOGICAL INFORMATION

Components Test Results:

Heptane: Oral LD<sub>50</sub> (rat) >15,000 mg/kg

Ethanol: Oral LD<sub>50</sub> (rat) 7060 mg/kg; Inhalation LC<sub>50</sub> (rat) 31,623 ppm (4h)

Methanol: Oral LD<sub>50</sub> (rat) 5628 mg/kg; Inhalation LC<sub>50</sub> (rat) 64,000 ppm (4h)

Reproductive effects: Benzene causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility.

Carcinogenicity: Heptane contains trace amounts of benzene – carcinogenic risks to humans based on the evaluation of IARC Working Group

Mutagenicity: Benzene may cause heritable genetic damage.

## SECTION 12 ECOLOGICAL INFORMATION

Component Test Results: No information available.

## SECTION 13 DISPOSAL CONSIDERATIONS

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

## SECTION 14 TRANSPORT INFORMATION

T.D.G. Classification: Aerosols, UN 1950 Class 2.1 (6.1)

D.O.T. Classification: Consumer commodity, ORM-D

## 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 311/312 hazardous chemical: Acute Health Hazard: Yes; Chronic Health Hazard: Yes; Fire Hazard: Yes;  
Sudden Release of Pressure Hazard: No; Reactive Hazard: 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<sup>®</sup> is a registered trade and service mark of the NPCA.)

HMIS<sup>®</sup> ratings    Health: 1  
                          Flammability: 4  
                          Physical hazard: 0  
NFPA Code 30B: Level 3  
                          Flammability: 0  
                          Instability: 0

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

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