

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 4
Reactivity 0
Protection B

SECTION I DESCRIPTION

TRADE NAME: **Castle® Shop Solv™**

PRODUCT TYPE: Multi Purpose Solvent

SECTION II HAZRDOUS INGREDIENTS

INGREDIENT	CAS #	PEL	TLV	STEL	%
Heptane	142-82-5	500 ppm	400 ppm	NE	60-90 %
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm	NE	5-15 %
Methyl Alcohol	67-56-1	200 ppm	200 ppm	NE	1-5 %
Carbon Dioxide	124-38-9	5000 ppm	5000 ppm	NE	3-7 %

SECTION III PHYSICAL DATA

BOILING POINT:	>90°F	SPECIFIC GRAVITY (H ₂ O=1):	0.680-0.720 g/ml
VAPOR PRESSURE (PSIG @ 70°F):	NE	MELTING POINT:	NA
VAPOR DENSITY (AIR = 1):	NE	EVAPORATION RATE (Butyl Acetate = 1):	>1.00
SOLUBILITY IN WATER:	Insoluble	APPEARANCE & ODOR:	Colorless liquid / Hydrocarbon-solvent

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): 55°F / 12.78°C (SetaflashCC) LOWER EXPLOSIVE LIMIT: 6 % UPPER EXPLOSIVE LIMIT: 36.5%
EXTINGUISHING MEDIA: Foam, dry chemical (B-C), or CO₂.
UNUSUAL FIRE AND EXPOSITION HAZARDS: Contents under pressure. Do not use near fire, sparks, or flame. Do not puncture or incinerate container.
Exposure to temperatures above 120°F may cause container to burst.
SPECIAL FIRE-FIGHTING PROCEDURES: Keep containers cool using water spray to avoid bursting. Evacuate area. Use NIOSH/MSHA approved self-contained breathing apparatus.

SECTION V HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Eye contact, skin contact, inhalation, and ingestion.
EFFECTS OF OVEREXPOSURE: • Eyes: Direct spray or vapors will irritate and may harm eyes. • Skin: Product may cause mild irritation due to defatting of skin. • Inhalation: High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as dizziness, nausea, headache, or indigestion. • Ingestion: Causes irritation, narcosis, and liver and kidney damage. Swallowing small amounts of methanol may cause blindness or death.
EMERGENCY & FIRST AID PROCEDURES: • Eyes: Immediately flush eyes with water for at least 15 minutes. • Skin: Remove affected clothing and wash skin with soap and water. Get medical irritation if irritation persists. • Inhalation: Remove to fresh air. Apply artificial respiration if breathing becomes difficult. Get medical attention. • Ingestion: If swallowed, do NOT induce vomiting. Swallowing methanol is life threatening. Get medical attention immediately.

SECTION VI REACTIVITY DATA

STABILITY: Stable under normal conditions.
INCOMPATIBILITY (material to avoid): Strong oxidizers.
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, and hydrocarbons.

SECTION VII SPILL OR LEAK PROCEDURES

IF RELEASED OF SPILLED: Evacuate area. Shut off all sources of ignition. Absorb spill with inert material, and then place in a chemical waste container.
WASTE DISPOSAL METHOD: Dispose of waste in accordance with applicable federal, state, and local requirements.

SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION: LOCAL XXXXX MECHANICAL LOCAL
RESPIRATORY PROTECTION: Use respirator as a last resort to control exposure (if ventilation becomes inadequate and airborne concentration exceeds the exposure limits listed above).
EYE PROTECTION: Safety glasses or goggles.
PROTECTIVE GLOVES: Wear chemical resistant gloves if irritation or repeated skin contact occurs.
OTHER PROTECTIVE EQUIPMENT: Long sleeves and long pants or coveralls.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS FOR HANDLING & STORING: Use with adequate ventilation. Follow all directions. Keep out of reach of children. Keep away from heat, sparks, open flames and any other sources of ignition. Do not puncture or incinerate container. Store in temperatures below 120°F.

PREPARED: 02/09/96

UPDATED: 1/7/11

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