




SAFETY DATA SHEET

SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® 2-Way™**
PRODUCT TYPE: Multi-Purpose Solvent
PRODUCT CODE: C79, C3204

MANUFACTURED FOR: Castle Products, Inc.
424 St. Paul Street
Rochester, NY 14605
(800) 876-0222
EMERGENCY (585) 275-3232

SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION: DANGER:    Highly flammable liquid and vapor. Causes eye irritation. May cause skin irritation. Harmful if swallowed or inhaled. May be fatal if inhaled and enters airways.
Keep out of reach of children.

PRECAUTIONARY STATEMENTS: Eyes: Causes irritation.
Skin: May cause irritation.
Inhalation: May be irritating to mucous membranes.
Ingestion: May be harmful if swallowed. Do not ingest.

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%
Petroleum Distillates	64742-89-8	60-100%
Xylene Isomers	1330-20-7	<15%
Ethylbenzene	100-41-4	<5%

SECTION 4 FIRST AID MEASURES

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician if irritation persists.
If on skin: Take off contaminated clothing and wash it before reuse. Wash with plenty of water. Call a physician if irritation persists.
If swallowed: Rinse mouth. Do not induce vomiting. Call a physician if you feel unwell.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a physician if you feel unwell.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Appropriate for surrounding fire.
SPECIFIC/UNUSUAL HAZARDS: Irritating gasses may be produced which will require SCBA or a fresh air source.
SPECIAL FIRE FIGHTING EQUIPMENT and PRECAUTIONS for FIREFIGHTERS: 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: A large spill is not likely to occur.

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 containers tightly closed. Store in a cool, dry place away from heat, sparks, or other sources of ignition.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: NE

Appropriate Engineering Controls: Maintain adequate local exhaust ventilation.

Individual Protective Measures - Personal Protective Equipment:

Gloves: Wear impervious gloves.

Eye/Face Protection: Wear safety glasses or goggles.

Skin Protection: Wear clothing suited to the task being performed.

Respiratory Protection: Not normally required if good ventilation is maintained.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: Clear Liquid

ODOR: Solvent odor

ODOR THRESHOLD: ND

MELTING/FREEZING POINT: ND

BOILING POINT: ND

BOILING RANGE: ND

FLASH POINT: 60°F (15.6°C)

LOWER EXPLOSIVE LIMIT: 0.8%

UPPER EXPLOSIVE LIMIT: 7.0%

FLAMMABILITY (solid, gas): NA

AUTOIGNITION TEMPERATURE: ND

EVAPORATION RATE (Butyl Acetate=1): <1

VAPOR PRESSURE: ND

VAPOR DENSITY (air=1): >1

RELATIVE DENSITY: (H₂O=1): 0.77

SOLUBILITY IN WATER: Not Soluble

PARTITION COEFFICIENT (n-octanol/water): ND

pH: NA

DECOMPOSITION TEMPERATURE: ND

VISCOSITY: ND

PERCENT VOLATILE BY VOL %: 100%

SECTION 10 STABILITY and REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY of HAZARDOUS REACTIONS: Not likely.

CONDITIONS TO AVOID: Sources of Ignition.

INCOMPATIBLE MATERIALS: Strong acids or oxidizing agents.

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

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: No data available.

Acute Toxicity:

Petroleum Distillates: LD50 Oral (rat): >5000 mg/kg; LC50 Inhalation (rat): >20mg/l; LD50 Dermal (rabbit): >2000 mg/kg.

Xylene: LD50 Oral (rat): 4300 mg/kg; LC50 Inhalation Vapor (rat): 5000 ppm (4h).

Ethylbenzene: LD50 Oral (rat): 3500 mg/kg; LD50 Dermal (rabbit): >5000 mg/kg.

LIKELY ROUTES of EXPOSURE: INHALATION: Yes
INGESTION: No
SKIN CONTACT: Yes
EYECONTACT: No

SYMPTOMS:

EFFECTS OF EXPOSURE: IMMEDIATE: ND
DELAYED: ND
SHORT-TERM: ND
LONG-TERM: ND

Carcinogenicity:	IARC	ACGIH	NTP	OSHA.
Xylene	Group 3	-	-	-
Ethylbenzene	Group 2B	A3	-	X

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: No Data Available.

PERSISTENCE and DEGRADABILITY: ND

BIOACCUMULATIVE POTENTIAL: ND

MOBILITY in SOIL: ND

OTHER ADVERSE EFFECTS: None Known.

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORT INFORMATION

UN Number: NA1993

UN Proper Shipping Name: Flammable Liquids, n.o.s. (Xylene, Hydrocarbon Naphtha)

Transport Hazard Class(es): 3

Packing Group: PG II

Marine Pollutant: Yes

Special Precautions: None Required

DOT Classification: Consumer Commodity ORM-D, or Limited Quantity in quart containers.

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 hazards: Fire Hazard

Acute Health Hazard

Chronic Health Hazard

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.



WARNING: This product can expose you to chemicals including (Ethylbenzene), which is known to the State of California to cause cancer. For more information go to www.Prop65Warnings.ca.gov.

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

NFPA ratings Health: 2
 Flammability: 3
 Instability: 0

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

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