

Durable Tape Primer D-20

1. Product and Company Identification

Product name	Durable Tape Primer D-20
MSDS name	Durable Tape Primer D-20
CAS #	Mixture
Product use	Primer for permanent road marking tapes
Generic description	Solvent based rubber dispersion
Manufacturer	BRITE-LINE® TECHNOLOGIES, LLC 10660 East 51st Avenue Denver, CO 80239
24 hour emergency assistance	CHEMTREC telephone number 1-800-424-9300
General assistance	Telephone number 1-888-201-6448
MSDS assistance	Telephone number 1-888-201-6448

2. Hazards Identification

Emergency overview Liquid and vapors are flammable. Contact may cause skin and eye irritation. Mist may cause nose and throat irritation. Ingestion will cause nausea, vomiting, pain, upset stomach, and diarrhea.

Potential health effects

Eyes	Liquid or vapors may irritate the eyes. Prolonged or repeated contact may worsen irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May lead to permanent damage if not treated promptly.
Skin	This product may cause irritation to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.
Inhalation	This product may cause irritation to the respiratory system. Excessive inhalation of this material causes headaches, dizziness, nausea, and incoordination.
Ingestion	This product is harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Target organs Lungs, skin, and eyes. Central nervous system. Kidneys.

Signs and symptoms Signs and symptoms of overexposure to this product include headache, irritation of upper respiratory tract, asthmatic symptoms, chest tightness, breathing difficulty, coughing, eye irritation, skin irritation, diarrhea.

3. Composition/Information on Ingredients

Components	CAS #	Weight %
Methyl ethyl ketone (MEK)	78-93-3	30-60
Ethylacetate	141-78-6	30-60
Cyclohexane	110-82-7	5-10

4. First Aid Measures

First aid procedures

Eye contact	In case of contact, immediately flush with large amounts of water, continuing to flush for 15 minutes. Get medical attention or advice immediately.
Skin Contact	For skin contact flush with large amounts of water. If irritation persists, repeat flushing and get medical attention. Discard any shoes or clothing items that cannot be decontaminated.
Inhalation	Move person to non-contaminated air. Call a physician if symptoms develop or persist.
Ingestion	If the material is swallowed, get immediate medical attention. If vomiting occurs naturally, have the victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Notes to physician	This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately. If overexposure to the solvents in this product is suspected, testing should include nervous system and brain effects including recent memory, mood, concentration, headaches, and altered sleep patterns. Liver and kidney function should be evaluated.

5. Fire Fighting Measures

Extinguishing media	Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools; this may result in frothing and increased fire intensity.
Basic firefighting	Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers.
Firefighting PPE	Firefighters should wear full protective clothing including self-contained breathing apparatus
Sensitivity to static	Sparks generated by static discharge may ignite this product or its vapors. All containers and equipment must be bonded or grounded to minimize risk.
Unusual fire and	During a fire, irritating and highly toxic gases may be generated during combustion or explosion hazards decomposition. Vapors may be heavier than air and may travel long distances along the ground before igniting back to the vapor source. High temperatures can cause sealed containers to rupture due to a build-up of internal pressure. Cool with water to reduce this likelihood in a high temperature situation.
Flash point	<71.6 °F (<22 °C)

6. Accidental Release Measures

Emergency action	WARNING, FLAMMABLE. Eliminate all sources of ignition. Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering the area. Wear appropriate personal protective equipment (PPE) and clothing during clean-up.
Containment actions	Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with non-flammable absorbent and place in closed chemical waste containers.
Reporting	See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

7. Handling and Storage – For Commercial Use Only – Not Packaged or Labeled for Home Use!

Handling	Keep this product from heat, sparks, or open flame. Avoid getting this material into contact with your skin and eyes. Wash hands thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, face shields, and gloves. Professionally launder contaminated clothing before re-use. Avoid breathing vapors or mists of this product. Use this product with adequate ventilation. Do not reuse the empty container.
Storage	Keep the container tightly closed and in a cool, well-ventilated place. Do not handle or store near an open flame, heat, or other sources of ignition. All containers must be bonded or grounded to minimize risk.
Empty container	ATTENTION! Follow the label warnings even after container is emptied since empty precaution containers may retain product residues. Do not reuse empty container for food, clothing, or products for human or animal consumption, or where skin contact can occur. Do not heat or cut empty container with electric or gas torch.

8. Exposure Controls/Personal Protection

Engineering controls	Provide local and general exhaust ventilation to effectively remove and prevent build-up of any vapors or mist generated from the handling of this product. Explosion proof exhaust ventilation should be used. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.
Personal protective equipment	
Eyes	Wear safety glasses; chemical goggles (if splashing is possible). Contact lenses should not be worn while working with D-20 primer.
Skin/Body	Impervious gloves should be used at all times when handling this product. Recommended gloves include rubber, neoprene, nitrile or Viton. Use of protective coveralls and long sleeves is recommended.
Respiratory	Special applications may necessitate the use of more stringent respiratory protection equipment.
General	Eyewash fountains and emergency showers should be readily available. Use good industrial hygiene practices in handling this material.

9. Physical & Chemical Properties

Target solids	20%
pH	N/A
Density	0.717
Odor	Solvent
Color	Colorless to yellow
Physical state	Liquid
Freeze protect	No

10. Chemical Stability & Reactivity Information

Hazardous reactions	If product is burned, carbon dioxide, carbon monoxide, acetic acid, vinyl acetate, and /decomposition other unknown products may be produced. Additionally, depending on conditions, some products aliphatic aldehydes and carboxylic acids may be formed.
Hazardous polymerization	Will not occur.
Conditions to avoid	Extremes of temperature and direct sunlight. Keep away from sources of ignition.

Stability Stable under normal conditions. This product may react with strong acids, bases, and oxidizing agents.

11. Toxicological Information

Chronic effects Chronic exposure to solvents can cause reproductive problems, reduced fertility, dryness and cracking of skin, headaches, loss of appetite, and nausea.

Carcinogenicity If this product contains any carcinogens, these will be noted below:

12. Ecological Information

Ecotoxicological Organic solvents produce slight to moderate toxicity to aquatic life. Insufficient data **information** exists to evaluate the effect on plants, birds, and other land animals.

13. Disposal Considerations

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state, and federal regulations with regard to use and disposal of this product.

Waste disposal Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. Empty containers must be handled with care due to product residue. Do not heat or cut empty container with electric or gas torch.

14. Transportation Information

DOT Basic shipping requirements:
Proper shipping name: Adhesives
Hazard class: 3
UN number: UN1133
Packing group: II



IATA Basic shipping requirements:
Proper shipping name: Adhesives
Hazard class: 3
UN number: UN1133
Packing group: II



IMDG Basic shipping requirements:
Proper shipping name: Adhesives
Hazard class: 3
UN number: UN1133
Packing group: II



15. Regulatory Information

This SDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

Federal regulations All components are on the U.S. EPA TSCA Inventory List.

US CWA Section 311 Reporting Quantities of Hazardous Substances: Reportable quantity

Cyclohexane 110-82-7 CYCLOHEXANE 1000 LBS

US EPA (SARA Title III) Section 313 – Toxic Chemical: Listed substance

Cyclohexane 110-82-7 CYCLOHEXANE US EPCRA (SARA Title III) Section 313 – Toxic Chemical: Listed substance

State Regulations If this product contains any California Proposition 65 chemicals at reportable levels, these will be listed below:

Restrictions of The product(s) covered by this SDS do not contain or are under the prescribed levels **Hazardous** of prohibited substances listed under 2011/65/EU Hazardous Substances Restricted or **Substances (RoHS)** Prohibited in Electrical Equipment, including lead (CAS# 7439-92-1), mercury (CAS# 7439-97-6), cadmium (CAS# 7440-43-9), hexavalent chromium (CAS# 7440-47-3), polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE).

International This product has been classified in accordance with the hazard criteria of the Controlled **Regulations** Products Regulations and contains all the information required by the Controlled Products Regulations.

Substances of Very The product(s) covered by this SDS do not include any of the substances above a **High Concern (SVHC)** concentration of 0.1% weight by weight (w/w) in the Candidate List of Substances of Very High Concern (SVHC) for authorization published or proposed by ECHA on the following dates:

- October 28, 2008
- August 31, 2009
- January 13, 2010
- March 8, 2010
- June 18, 2010
- October 14, 2010
- December 15, 2010
- June 20, 2011
- December 19, 2011
- February 17, 2012
- June 18, 2012
- December 19, 2012

HMIS Ratings

Health:	2*
Flammability:	3
Physical hazard:	0
Personal protection:	X

SARA 311/312 Hazard Categories

Immediate Hazard:	Yes
Delayed Hazard:	Yes
Fire Hazard:	Yes
Pressure Hazard:	No
Reactivity Hazard:	No

WHMIS Status Controlled
WHMIS Labeling



WHMIS Classification B2 – Flammable/Combustible
D2B – Other Toxic Effects – Toxic

16. Other Information

Disclaimer The data in this SDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this SDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Brite-Line Technologies LLC makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Issue date 10/30/15

Prepared by Brite-Line Technologies LLC, Regulatory Affairs