

Watch Our You-Tube Installation Video

- 1) Open QR Code Reader on your cell phone.
- 2) Capture the first QR Code image to view an installation video of this product.
- 3) The second QR Code image is for the written installation instructions.



YouTube Video



DSB Installation Sheet

Section 1. Identification

Product Identifier : Delastic-LS® Primer
Revision Date : 10/31/16
Manufacturer/Supplier : The D.S. Brown Company
 300 East Cherry Street
 North Baltimore, Ohio 45872
 419-257-3561
In Case of Emergency : Chemtrec 1-800-424-9300 International 01-703-741-5500

Section 2. Hazards Identification

GHS Label Elements : This substance is classified and labeled according to the Globally Harmonized System (GHS).

Pictograms :



Signal Word : **Warning**

Hazard Statements : Causes serious eye irritation.

Primary Route of Entry : Skin contact, skin absorption, inhalation, ingestion, eye contact.

Section 3. Composition/Information on Ingredients

Chemical Name	CAS No.	Wt. % Less than	ACGIH TLV- TWA	ACGIH TLV-STEL	OSHA TWA	OSHA Ceiling	Skin
Toluene	108-88-3	75.0	20 ppm	N/E	200	300 ppm	S
N-Butanol	71-36-3	5.0	20 ppm	N/E	300 mg/m3 100 ppm	N/E	N/A
2-Butoxyethanol	111-76-2	5.0	20 ppm	N/E	240 mg/m3	N/E	S
Ethyl Alcohol	64-17-5	5.0	N.E.	1,000 ppm	1,900 mg/m3 1,000 ppm	N/E	N/A

Section 4. First Aid Measures

Eye Contact : Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Seek prompt medical attention.

Skin Contact : Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Seek medical attention if symptoms occur.



Bridge the World with Leading Infrastructure Solutions

Section 4. First Aid Measures *cont'd.*

- Inhalation** : Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Seek immediate medical attention.
- Ingestion** : If swallowed, do not induce vomiting. Give victim one or two glasses of water or milk. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or is convulsing.

Section 5. Fire-Fighting Measures

- Flash Point** : 35°F, 1°C (Setaflash Closed Cup)
- Auto-Ignition Temp.** : N/D
- Lower Explosive Limit (%)** : 1.1%(V)
- Upper Explosive Limit (%)** : 19%(V)
- Extinguishing Media** : Carbon dioxide, foam, dry chemical and water fog.
- Unusual Fire and Explosion Hazards** : Flammable liquid and vapor. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.
- Special Fire-Fighting Procedures** : Wear full fire-fighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable.

Section 6. Accidental Release Measures

- Action to Take for Spills/Leaks** : Keep non-essential personnel a safe distance away from the spill area. Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Use self-contained breathing equipment. Notify appropriate authorities if necessary. Contain and remove with inert absorbent material and non-sparking tools. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the MSDS form.

Section 7. Handling and Storage

- Handling** : Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be reused. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container.
- Storage** : Do not store or use near heat, sparks or open flame. Refer to OSHA 29CFR Part 1910.106 "Flammable and Combustible Liquids" for specific storage requirements. Store only in well-ventilated areas. Do not puncture, drag or slide container. Keep container closed when not in use.

Section 8. Exposure Controls/Personal Protection

CONTROL PARAMETERS

Engineering Controls : Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

EXPOSURE CONTROLS

Respiratory Protection : Use a NIOSH-approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

Skin Protection : Use neoprene, nitrile or rubber gloves to prevent skin contact.

Eye Protection : Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

Other Protective Equipment : Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

Hygienic Practices : Wash hands before eating, smoking or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

EFFECTS OF OVEREXPOSURE

Emergency Overview : Clear liquid, with solvent odor. Flammable liquid and vapor. Harmful if absorbed through skin. May cause skin and eye irritation. May cause respiratory tract irritation. Vapor harmful; may affect the brain or nervous system causing dizziness, headache or nausea.

Eye Contact : May cause eye irritation.

Skin Contact : May be absorbed through the skin in harmful amounts. May cause skin irritation. May cause dermatitis.

Inhalation : Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. May cause headache and nausea.

Ingestion : Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic Hazards : May cause liver or kidney damage. Repeated or prolonged solvent overexposure may result in permanent central nervous system damage. May affect the blood and blood-forming organs. Prolonged or repeated contact may result in dermatitis. ACGIH considers Ethyl Alcohol to be an A3 carcinogen (confirmed animal carcinogen with unknown relevance in humans).

Section 9. Physical and Chemical Properties

Boiling Point	: 172°C - 340°F
Percent Volatile Weight (w) Volume (v)	: w= 87.09% v= 90.37%
Physical State	: Liquid
Vapor Pressure	: Not determined.
Vapor Density	: Heavier than air.
Odor Threshold	: Not determined.
Appearance	: Clear
Water/Oil Distribution Coefficient	: Not determined Solubility in Water: Insoluble.
Density, LB/GL	: 7.47 lb/gal
pH	: Not applicable.
Evaporation Rate	: Faster than n-butylacetate.
Odor	: Solvent
Freeze Point	: 10.8

Section 10. Stability and Reactivity

HMIS Hazard Rating	: 1
Stability	: Product is stable under normal storage conditions.
Incompatibility	: Strong acids, bases, and strong oxidizers.
Hazardous Decomposition Products	: Carbon monoxide, carbon dioxide.
Hazardous Polymerization	: Hazardous polymerization will not occur under normal conditions.
Conditions to Avoid	: High temperatures, sources of ignition.

Section 11. Toxicological Information

Product LD50	: Oral: No data. Dermal: No data.
Product LC50	: No data.

Section 12. Ecological Information

No information available.

Section 13. Disposal Considerations

Disposal Method : Disposal should be done in accordance with federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

Section 14. Transport Information

DOT Proper Shipping Name : Adhesives
DOT Hazard Class : 3
Secondary Hazard : None
DOT UN/NA Number : 1133
Packing Group : II
Emergency Response Guide Number : 128

The listed transportation classification applies to U.S. DOT non-bulk road shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate information, refer to your transportation/compliance department.

Section 15. Regulatory Information

US Federal Regulations : This product is considered hazardous as defined by 29 CFR 1910.1200 (OSHA HazCom Standard.)

SARA SECTION 313 : This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS No.	Wt. % Less Than
Toulene	108-88-3	75
N-Butanol	71-36-3	5
2-Butoxyethanol	111-76-2	5

Section 15. Regulatory Information

TOXIC SUBSTANCES CONTROL ACT

- Inventory Status** : The chemical substances in this product are on the TSCA Section 8 Inventory.
- Export Notification** : This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: NONE.

Section 16. Other Information

- HMIS Ratings** : **Health: 2***
Flammability: 3
Physical Hazard: 0
**Indicates a chronic hazard; see Section 3*

- Volatile Organic Compounds** : **Calculated:** 6.5 lb/gal, 779 g/l
EPA Method 24: 6.87 lb/gal, 823 g/l
N/A - Not Applicable, N/E - Not Established, N/D - Not Determined

- Date of Printing** : 10/31/2016
Date of Issue : 10/31/2016
Date of Previous Version : 05/2015

- Disclaimer** : The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

For more information on The D.S. Brown Company and our products, please visit www.dsbrown.com.