

**Section 1. Identification**

**Chemical Name or Synonym** : DSB GEL LOC LP PRT A  
**Product Name** : DSB GEL LOC LP PRT A  
**Recommended use** : Sealant  
**Restrictions on use** : Not known  
**Supplier** : The D.S. Brown Company  
 300 East Cherry Street  
 North Baltimore, Ohio 45872  
 419-257-3561  
**In Case of Emergency** : Chemtrec 1-800-262-8200 International 01-703-741-5500

**Section 2. Hazards Identification**

**Health Hazards** : Skin Corrosion/Irritation - Category 2  
 Serious Eye Damage/Eye Irritation - Category 2A  
 Skin Sensitizer - Category 1  
**Unknown Toxicity – Health** : Acute toxicity, oral 7.34%  
 Acute toxicity, dermal 7.42%  
 Acute toxicity, inhalation, vapor 8.07%  
 Acute toxicity, inhalation, dust or mist 7.85%  
**Environmental Hazards** : Acute hazards to the aquatic environment - Category 2  
 Chronic hazards to the aquatic environment - Category 2  
**Unknown Toxicity – Environmental** : Acute hazards to the aquatic environment 8.07%  
 Chronic hazards to the aquatic environment 6.92%

**LABEL ELEMENTS**

**Hazard Symbols** :   
**Signal Word** : **Warning**  
**Hazard Statements** : Causes skin irritation>  
 Causes serious eye irritation.  
 May cause an allergic skin reaction.  
 Toxic to aquatic life with long lasting effects.  
**Response** : If exposed or concerned: Get medical advice.

**PRECAUTIONARY STATEMENTS**

**Prevention** : Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.



**Bridge the World with Leading Infrastructure Solutions**

## Section 2. Hazards Identification

- Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water/... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse. Collect spillage.
- Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Hazard(s) not otherwise classified (HNOC)** : None

## Section 3. Composition/Information on Ingredients

CAS	Chemical Name	Content in percent (%)*
25068-38-6	Bisphenol A Polyglycidyl Ether Resin	50 - <100%
13463-67-7	Titanium dioxide`	1 - <5%
25085-99-8	Epichlorohydrin polymer	1 - <2.5%
9002-88-4	Polyethylene	0.1 - <1%
2210-79-9	0.1 - <1%	

\*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## Section 4. First Aid Measures

- Inhalation** : Move to fresh air
- Skin Contact** : Get medical attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.
- Eye Contact** : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
- Ingestion** : Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- Personal Protection for First-aid Responders** : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Most important Symptoms/ Effects, Acute and Delayed**
- Symptoms** : Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.
- Hazards** : No data available.
- Indication of Immediate Medical Attention and Special Treatment Needed**
- Treatment** : Symptoms may be delayed.



## Section 5. Fire-Fighting Measures

- General Fire Hazards** : No unusual fire or explosion hazards noted.
- Suitable Extinguishing Media** : Use fire-extinguishing media appropriate for surrounding materials.
- Unsuitable Extinguishing Media** : Do not use water jet as an extinguisher, as this will spread the fire.
- Specific Hazards Arising From the Chemical** : During fire, gases hazardous to health may be formed.
- Special Fire Fighting Procedures** : No data available
- Special Protective Equipment for Fire-Fighters** : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## Section 6. Accidental Release Measures

- Personal Precautions, Protective Equipment, and Emergency Procedures** : See Section 8 of SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
- Accidental Release Measures** : In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
- Methods and Material for Containment and Cleaning Up** : Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
- Methods and Material for** : Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

## Section 7. Handling and Storage

- Technical Measures (e.g. Local and general ventilation)** : Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.
- Safe Handling Advice** : Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Avoid contact with eyes. Avoid contact with skin. Avoid contact with eyes, skin, and clothing.
- Contact Avoidance Measures** : No data available.
- Hygiene Measures** : Observe good industrial hygiene practices. Avoid contact with eyes. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.
- Safe Storage Conditions** : Store away from incompatible materials. Store in original tightly closed container.
- Safe Packaging Materials** : No data available.



Bridge the World with Leading Infrastructure Solutions

## Section 8. Exposure Controls/Personal Protection

### CONTROL PARAMETERS

#### Occupational Exposure Limits

Chemical Name	Type	Exposure Limit Values	Source
Titanium dioxide - Total dust	TWA	10 mg/m <sup>3</sup>	Canada. British Columbia OELs (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide - Respirable fraction	TWA	3 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Titanium dioxide	TWA	10 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Titanium dioxide - Total dust	TWA	10 mg/m <sup>3</sup>	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Polyethylene - Respirable fraction	TWA	3 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Polyethylene - Total dust.	TWA	10 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Polyethylene - Inhalable fraction	TWA	10 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Polyethylene - Respirable fraction	TWA	3 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Polyethylene - Total dust	TWA	10 mg/m <sup>3</sup>	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Aluminum hydroxide - Respirable	TWA	1 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Aluminum hydroxide - Respirable fraction	TWA	3 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum hydroxide - Total dust	TWA	10 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Aluminum hydroxide - Respirable fraction	TWA	1 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)



Bridge the World with Leading Infrastructure Solutions

**Section 8. Exposure Controls/Personal Protection *cont'd.***

Chemical Name	Type	Exposure Limit Values	Source
Aluminum hydroxide - Inhalable fraction	TWA	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Aluminum hydroxide - Respirable fraction	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Aluminum hydroxide - Total dust	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Amorphous silica - Total	TWA	4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable	TWA	1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Amorphous silica - Respirable dust	TWA	6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
Carbon Black - Inhalable	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011)
Carbon Black - Inhalable fraction	TWA	3 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Carbon Black	TWA	3.5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)

**Appropriate Engineering Controls** : Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

**INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTION EQUIPMENT**

**General Information** : Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face Protection** : Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection** : Use suitable protective gloves if risk of skin contact.

**Other** : Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information



**Bridge the World with Leading Infrastructure Solutions**

**Section 8. Exposure Controls/Personal Protection *cont'd.***

- Respiratory Protection** : In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
- Hygiene Measures** : Observe good industrial hygiene practices. Avoid contact with eyes. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

**Section 9. Physical and Chemical Properties****Appearance**

- Physical State** : liquid
- Form** : liquid
- Color** : Gray
- Odor** : Mild
- Odor threshold** : No data available.
- pH** : No data available.
- Melting point/freezing point** : No data available.
- Initial boiling point and boiling range** : No data available.
- Flash Point** : >93°C >200°F (Setaflash Closed Cup)
- Evaporation rate** : Slower than Ether
- Flammability (solid, gas)** : No
- Upper/lower limit on flammability or explosive limits**
- Flammability limit - upper (%)** : No data available.
- Flammability limit - lower (%)** : No data available.
- Explosive limit - upper** : No data available.
- Explosive limit - lower** : No data available.
- Vapor pressure** : No data available.
- Vapor density** : Vapors are heavier than air and may travel along the floor and in the bottom of containers.
- Relative density** : 1.13
- Solubility(ies)**
- Solubility in water** : Insoluble in water
- Solubility (other)** : No data available.

**Section 9. Physical and Chemical Properties** *cont'd.*

<b>Partition Coefficient (n-octanol/water)</b>	: No data available.
<b>Auto-ignition Temperature</b>	: No data available.
<b>Decomposition Temperature</b>	: No data available.
<b>Viscosity</b>	: No data available.

**Section 10. Stability and Reactivity**

<b>Reactivity</b>	: No data available.
<b>Chemical Stability</b>	: Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	: No data available.
<b>Conditions to Avoid</b>	: Avoid heat or contamination.
<b>Incompatible Materials</b>	: No data available.
<b>Hazardous Decomposition Products</b>	: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

**Section 11. Toxicological Information****INFORMATION ON LIKELY ROUTES OF EXPOSURE**

<b>Inhalation</b>	: In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
<b>Skin Contact</b>	: May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
<b>Eye Contact</b>	: Causes serious eye irritation.
<b>Ingestion</b>	: May be harmful if swallowed.

**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS**

<b>Inhalation</b>	: No data available.
<b>Skin Contact</b>	: No data available.
<b>Eye Contact</b>	: No data available.
<b>Ingestion</b>	: No data available.

**INFORMATION ON TOXICOLOGICAL EFFECTS****Acute toxicity**

<b>Oral Product</b>	: ATEmix: 2,208.39 mg/kg
<b>Dermal Product</b>	: ATEmix: 2,208.39 mg/kg
<b>Inhalation Product</b>	: Not classified for acute toxicity based on available data.

**Bridge the World with Leading Infrastructure Solutions**



**Section 12. Ecological Information**

**Ecotoxicity**

**Acute Hazards to the Aquatic Environment**

**Fish Product** : No data available.

**Specified Substance(s)** : Bisphenol A Polyglycidyl Ether Resin  
 LC 50 (Oncorhynchus mykiss, 96 h): 2 mg/l  
 Experimental result, Key study

**Aquatic Invertebrates Product**

: No data available.

**Specified Substance(s)** : Bisphenol A Polyglycidyl Ether Resin  
 EC 50 (Daphnia magna, 48 h): 1.8 mg/l  
 Experimental result, Key study

**Chronic Hazards to the Aquatic Environment**

**Fish Product** : No data available

**Aquatic Invertebrates Product**

: No data available.

**Specified Substance(s)** : Bisphenol A Polyglycidyl Ether Resin  
 NOEC (Daphnia magna, 21 d): 0.3 mg/l  
 Experimental result, Key study

**Toxicity to Aquatic Plants Product**

: No data available.

**Persistence and Degradability**

**Biodegradation Product**

: No data available.

**BOD/COD Ratio Product**

: No data available.

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF) Product**

: No data available.

**Specified Substance(s)** : Bisphenol A Polyglycidyl Ether Resin  
 Bioconcentration Factor (BCF): 31 Aquatic sediment  
 QSAR, Key study

**Partition Coefficient n-octanol/water (log Kow)**

**Product** : No data available.

**Specified Substance(s)** : Bisphenol A Polyglycidyl Ether Resin  
 Log Kow: 2.64 - 3.78 25°C Yes  
 Experimental result, Key study

**Mobility in Soil** : No data available

**Other Adverse Effects** : Toxic to aquatic life with long lasting effects.



## Section 13. Disposal Considerations

- Disposal Methods** : Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Contaminated Packaging** : No data available.

## Section 14. Transport Information

- TDG** : UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin), 9, PG III
- CFR/DOT** : UN3082, Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin), 9, PG III
- IMDG** : UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin), 9, PG III, MARINE POLLUTANT
- Further Information** : The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

## Section 15. Regulatory Information

### UNITED STATES (FEDERAL AND STATE)

- TSCA Section 12(b) Export Notification (40 CFR 707, SubptD)** : None present or none present in regulated quantities.
- US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subt E)** : None present or none present in regulated quantities.
- US. OSHA Specifically Regulated Substances (29 CFR 1910, 1001-1050), as amended** : None present or none present in regulated quantities.
- CERCLA Hazardous Substance List (40 CFR 302.4)** : None present or none present in regulated quantities.

### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

- Hazard Categories** : Immediate (Acute) Health Hazards  
Skin Corrosion or Irritation  
Serious eye damage or eye irritation  
Respiratory or Skin Sensitization
- SARA 302 Extremely Hazardous Substance** : None present or none present in regulated quantities.
- SARA 304 Emergency Release Notification** : None present or none present in regulated quantities.



Bridge the World with Leading Infrastructure Solutions

**Section 15. Regulatory Information** *cont'd.*

<b>SARA 313 (TRI Reporting)</b>	: None present or none present in regulated quantities.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	: None present or none present in regulated quantities.
<b>Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)</b>	: None present or none present in regulated quantities.
<b>US. California Proposition 65</b>	:  WARNING - Cancer - <a href="http://www.P65Warning.ca.gov">www.P65Warning.ca.gov</a>
<b>US. New Jersey Worker and Community Right-to-Know Act</b>	: Chemical Identity - Titanium dioxide
<b>US. Massachusetts RTK - Substance List</b>	: No ingredient regulated by MA Right-to-Know Law present.
<b>US. Pennsylvania RTK - Hazardous Substances</b>	: Chemical Identity - Titanium dioxide
<b>US. Rhode Island RTK</b>	: No ingredient regulated by RI Right-to-Know Law present.

**INTERNATIONAL REGULATIONS**

<b>Montreal Protocol</b>	: Not applicable
<b>Stockholm Convention</b>	: Not applicable
<b>Rotterdam Convention</b>	: Not applicable
<b>Kyoto Protocol</b>	: Not applicable
<b>VOC</b>	: When appropriately mixed with the other part, product has a VOC less water and exempt solvent of 78 g/l
<b>Regulatory VOC (less water and exempt solvent)</b>	: 0 g/l
<b>VOC Method 310</b>	: 0.00%

**INVENTORY STATUS**

<b>Australia AICS</b>	: All components in this product are listed on or exempt from the Inventory.
<b>Canada DSL Inventory List</b>	: All components in this product are listed on or exempt from the Inventory.
<b>Canada NDSL Inventory</b>	: One or more components in this product are not listed on or exempt from the inventory.
<b>Ontario Inventory</b>	: One or more components in this product not listed on or exempt from the inventory.
<b>China Inv. Existing Chemical Substances</b>	: All components in this product are listed on or exempt from the inventory.
<b>Japan (ENCS) List</b>	: One or more components in this product are not listed on or exempt from the inventory.



**Bridge the World with Leading Infrastructure Solutions**

**Section 15. Regulatory Information *cont'd.***

- Japan ISHL Listing** : One or more components in this product are not listed on or exempt from the Inventory
- Japan Pharmacopoeia Listing** : One or more components in this product are not listed on or exempt from the Inventory
- Korea Existing Chemicals Inv. (KECI)** : All components in this product are listed on or exempt from the Inventory.
- Mexico INSQ** : One or more components in this product are not listed on or exempt from the Inventory.
- New Zealand Inventory of Chemicals** : All components in this product are listed on or exempt from the Inventory.
- Philippines PICCS** : All components in this product are listed on or exempt from the Inventory.
- Taiwan Chemical Substance Inventory** : One or more components in this product are not listed on or exempt from the Inventory.
- US TSCA Inventory** : All components in this product are listed on or exempt from the Inventory.
- EINECS, ELINCS or NLP** : One or more components in this product are not listed on or exempt from the Inventory.

**Section 16. Other Information**

**Further Information**                      No data available.

**D.S. BROWN COMPANY DISCLAIMER**

*For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.*



**Bridge the World with Leading Infrastructure Solutions**