

Material Safety Data Sheet



Revised 02/11

Delastic® Preformed Pavement Seals | DSB 1516 Lubricant Adhesive

TRANSPORTATION EMERGENCY CALL CHEMTREC @ (800) 424-9300

SECTION I – Product Name/Manufacturer

Product Name: DSB 1516 Lubricant Adhesive

Company: The D.S. Brown Company
300 East Cherry Street
North Baltimore, Ohio 45872
Phone: (419) 257-3561 Fax: (419) 257-2200

Emergency Information:

ChemTrec: UNITED STATES (800) 424-9300

Chemical Family: Polyisocyanate prepolymer (MDI base) and petroleum hydrocarbon

SECTION II – Composition/Data on Components

Chemical characterization

Description: Mixture of the substances listed below with nonhazardous additions

1330-20-7	xylene	74.0%
1314-13-2	zinc oxide	5.0%

Additional information: For the wording of the listed risk phrases, refer to section 15.

SECTION III – Hazards Identification

Harmful

- Information pertaining to particular dangers for man and environment: Flammable



Health = 2
Fire = 3
Reactivity = 0

Harmful by inhalation and in contact with skin

- Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0-4)

HMIS-ratings (scale 0-4)

Health	2	Health = 2
Fire	3	Fire = 3
Phys. Hazard	0	Physical Hazard = 0

SECTION IV – First Aid Measures

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Overexposure, remove to fresh air and seek medical attention.

After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Seek medical treatment.

SECTION V – Fire-Fighting Measures

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do NOT use water.

For safety reasons unsuitable extinguishing agents: Water and water with full jet

Protective equipment: Protective clothing and respiratory protective device

SECTION VI – Accidental Measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal, state and local regulations. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

SECTION VII – Handling and Storage

Handling: Information for safe handling: Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires: Keep ignition sources away. Do not smoke. Protect against electrostatic charges.

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Storage: Requirements to be met by storerooms and receptacles: Store in a cool location away from direct heat.

Information about storage in one common storage facility: Store as flammable liquid.

Further information about storage conditions: Keep receptacle tightly sealed.

SECTION VIII – Exposure Controls and Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace:

1330-20-7xylene

PEL	435 mg/m ³ , 100#ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

1314-13-2zinc oxide

PEL	15* 5** 5*** mg/m ³ Dust only **total dust ** respirable dust *** fume
REL	Short-term value: C15* 10 *** mg/m ³ Long-term value: 5 5 *** mg/m ³ *15-min; dust only *** fume
TLV	Short-term value: 10 R mg/m ³ Long-term value: 2 R mg/m ³

Additional information: The lists that were valid during the creation were used as a basis.

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing equipment: In the case of absence of adequate ventilation, NIOSH-certified respiratory protection for organic vapor should be used as necessary. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands: Protective gloves

Eye protection: Safety glasses with side shields

Body protection: Protective work clothing

SECTION IX – Physical and Chemical Properties**General Information**

Form: Liquid

Color: Tan (Greenish)

Odor: Characteristic

Change in condition melting point: Undetermined

Boiling point: 137°C (279°F)

Flash point: 30°C (86°F)

Ignition temperature: 500.0°C (932°F)

Solubility in /Miscibility with Water: Not miscible or difficult to mix

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Flammable limits:

Lower: 1.1 Vol%

Upper: 7.0 Vol%

Vapor pressure at 20°C (68°F): 6.7 hPa (5 mm Hg)

Specific gravity: 0.93700

Solids content: 26.0%

Auto igniting: Product is not self-igniting.

Solvent content: Organic solvents: 74.0%

Additional information:

Weight per gallon: 7.8 lbs

VOC: = 693 g/l or 5.77 lbs/gal

693 g/l scaqmd rule 1168 method

SECTION X – Stability and Reactivity

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: Strong oxidizers, acids and bases

Dangerous products of decomposition: Oxides of carbon, nitrogen and hydrocarbons, hydrogen chloride (thermal degradation products)

SECTION XI – Toxicological Information

Acute toxicity:

LD/LC50 values that are relevant for classification:

1330-20-7xylene

Oral LD50 4300 mg/kg (rat)

Dermal LD50 2000 mg/kg (rabbit)

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes

On the eye: Irritating effect

Sensitization: Sensitizing effect through inhalation is possible with prolonged exposure.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful, Irritant

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General notes: Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION XIII – Disposal Considerations

Product recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

Uncleaned packaging recommendations: Disposal must be made according to official regulations.

SECTION XIV – Transportation Information

DOT Regulations:

Hazard class: 3

Identification number: UN1133

Packing group: III

Proper shipping name (technical name): ADHESIVES

SECTION XV – Regulatory Information

Sara

Section 355 (Extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
1330-20-7-xylene

TSCA (Toxic Substances Control Act):
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Proposition 65

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity:
None of the ingredients is listed.

DSL (Canada Domestic Substance List)
All components of this product are on the DSL (Canada Substance list) or are exempt from DSL requirements.

Carcinogenicity categories

EPA (Environmental Protection Agency)

1330-20-7	xylene	D
1314-13-2	zinc oxide	D

IARC (International Agency for Research on Cancer)

1330-20-7	xylene	3
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NTP (National Toxicology Program)

None of the ingredients is listed.

TLV (Threshold Limit Value Established by ACGIH)

1330-20-7	xylene	A4
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Mak (German Maximum Workplace Concentration)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health Administration)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety and Health Administration)

None of the ingredients is listed.

Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard-determining components of labeling:

Xylene

Risk phrases:

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

National regulations:

Water hazard class: Water hazard class 2 (Self-assessment): hazardous of water

SECTION XVI – Other Information

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, The D.S. Brown Company makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that persons receiving and using will make their own determinations as to the suitability for their purpose prior to use. In no event will The D.S. Brown Company or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.

The D.S Brown Company
300 East Cherry Street
North Baltimore, Ohio 45872

Phone: (419) 257-3561

Fax: (419) 257-2200

Email: dsb@dsbrown.com

www.dsbrown.com