

## Section 1. Identification

**Trade Name** : PaveSaver - Part A

**Relevant Identified Uses of the Substance or Mixture and Uses Advised Against** : No further relevant information available.

**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

**Classification of the Substance or Mixture** :

Skin Corr.	1B	H314	Causes severe skin burns and eye damage.
Eye Dam.	1	H318	Causes serious eye damage.
Repr.	2	H361	Suspected of damaging fertility or the unborn child.
Skin Sens.	1	H317	May cause an allergic skin reaction.
Muta.	2	H341	Suspected of causing genetic defects.

**Label Elements**

**GHS Label Elements** : The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard Pictograms**



**Signal Word**

: **Danger**

**Hazard-Determining Components of Labeling**

: nonylphenol  
2,3-epoxypropyl o-tolyl ether

**Hazard Statements**

: Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Suspected of causing genetic defects.  
Suspected of damaging fertility or the unborn child.

**Precautionary Statements**

: Do not breathe dusts or mists.  
**If on skin (or hair):** Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a poison center/doctor.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 2. Hazards Identification

<b>Classification System</b>	
<b>NFPA Ratings (scale 0-4)</b>	: Health: 1 Fire: 1 Reactivity: 0
<b>HMIS-Ratings (scale 0-4)</b>	: Health: 1 Fire: 1 Reactivity: 0
<b>Other Hazards</b>	
<b>Results of PBT and vPvB Assessment</b>	: <b>PBT:</b> Not applicable. <b>vPvB:</b> Not applicable.

## Section 3. Composition/Information on Ingredients

<b>Chemical Characterization</b>	: Substances
<b>CAS No. Description</b>	: 25085-99-8 Diglycidyl ether of bisphenol A homopolymer.
<b>Identification Number(s)</b>	: <b>NLP Number:</b> 500-033-5 <b>Index Number:</b> 603-074-00-8
<b>Description</b>	: Mixture of the substances listed below with nonhazardous additions.

Dangerous Component	CAS No.	Content
Diglycidyl ether of bisphenol A homopolymer	25085-99-8	75-100%
2,3-epoxypropyl o-tolyl ether	2210-79-9	≤10%
nonylphenol	25154-52-3	≤5%

**Additional Information** : For the wording of the listed risk phrases refer to Section 16.

## Section 4. First Aid Measures

### DESCRIPTION OF FIRST AID MEASURES

<b>General Information</b>	: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
<b>After Inhalation</b>	: In case of unconsciousness place patient stably in side position for transportation
<b>After Skin Contact</b>	: If skin irritation continues, consult a doctor.
<b>After Eye Contact</b>	: Rinse opened eye for several minutes under running water. Then consult doctor.
<b>After Swallowing</b>	: Seek medical treatment.

### INFORMATION FOR DOCTOR

<b>Most Important Symptoms/ Effects, Both Acute and Delayed</b>	: No further relevant information available.
<b>Indication of Any Immediate Medical Attention and Special Treatment Needed</b>	: No further relevant information available.

## Section 5. Fire-Fighting Measures

### EXTINGUISHING MEDIA

**Suitable Extinguishing Media** : Use fire fighting measures that suit the environment.

**Specific Hazards Arising from the Substance or Mixture** : No further relevant information available.

### ADVICE FOR FIREFIGHTERS

**Protective Equipment** : Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

## Section 6. Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures** : Wear protective equipment. Keep unprotected persons away.

**Environmental Precautions** : Inform respective authorities in case of seepage into water course or sewage system.

**Methods and Materials for Containment and Cleaning Up** : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

**Reference to Other Sections** : See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## Section 7. Handling and Storage

### HANDLING

**Precautions for Safe Handling** : Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

**Information About Protection Against Explosions and Fires** : No special measures required.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage Requirements to Be Met by Storerooms and Receptables** : No special requirements.

**Information About Storage in One Common Storage Facility** : Store away from incompatible materials.

**Further Information About Storage Conditions:** : Keep receptacle tightly sealed.

**Specific End Use(s)** : No further relevant information available.

## Section 8. Exposure Controls/Personal Protection

**Additional Information About Design of Technical Systems** : No further data; see item 7.

### CONTROL PARAMETERS

**Components with Limit Values that Require Monitoring at the Workplace** : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.


**Additional Information** : The lists that were valid during the creation were used as basis.

### EXPOSURE CONTROLS

#### Personal Protective Equipment

**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 case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Protection of Hands** : Protective gloves.   
The glove material has to be impermeable and resistant to the product, the substance, and the preparation.

**Eye Protection** : Wear appropriate eye protection to prevent eye contact.

## Section 9. Physical and Chemical Properties

#### Appearance

**Form** : Liquid  
**Color** : Clear

**Odor** : Characteristic

**Odor Threshold** : Not determined.

**pH Value** : Not determined.

**Boiling/Condensation Point** : 261°C (502°F)

**Melting/Freezing Point** : Undetermined

**Flash Point** : 155°C (311°F)

**Flammability (Solid, Gas)** : Not available.

**Ignition Temperature** : 370 °C (698 °F)

**Decomposition Temperature** : Not determined.

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

<b>Auto Igniting</b>	: Product is not self-igniting.
<b>Danger of Explosion</b>	: Product does not present an explosion hazard.
<b>Explosion limits</b>	
<b>Lower</b>	: Not determined.
<b>Upper</b>	: Not determined.
<b>Vapor Pressure</b>	: Not determined.
<b>Density at 20°C (68°F)</b>	: 1.122 g/cm <sup>3</sup> (9.363 lbs/gal)
<b>Relative Density</b>	: Not determined.
<b>Vapor Density</b>	: Not determined.
<b>Evaporation Rate</b>	: Not determined.
<b>Solubility in/Miscibility with Water</b>	: Not miscible or difficult to mix.
<b>Partition Coefficient (n-Octanol/Water)</b>	: Not determined.
<b>Viscosity</b>	
<b>Dynamic</b>	: Not determined.
<b>Kinematic</b>	: Not determined.
<b>Solvent Content</b>	
<b>Organic Solvents</b>	: 0.0 %
<b>Other Information</b>	: No further relevant information available.
<b>Volatile Organic Compounds</b>	: Not determined.

## Section 10. Stability and Reactivity

<b>Reactivity</b>	
<b>Chemical Stability</b>	
<b>Thermal Decomposition/ Conditions to Be Avoided</b>	: No decomposition if used according to specifications.
<b>Possibility of Hazardous Reactions</b>	: Reacts with acids, alkalis and oxidizing agents.
<b>Conditions to Avoid</b>	: No further relevant information available.
<b>Incompatible Materials</b>	: No further relevant information available.
<b>Hazardous Decomposition Products</b>	: Carbon monoxide and carbon dioxide. Nitrogen oxides.

## Section 11. Toxicological Information

<b>Acute Toxicity</b>	: LD/LC50 values that are relevant for classification
	<b>25085-99-8 Diglycidyl ether of bisphenol A homopolymer</b>
	Oral LD50 5000 mg/kg (rat)
	Dermal LD50 20000 mg/kg (rabbit)
	<b>25154-52-3 nonylphenol</b>
	Oral LD50 1620 mg/kg (rat)
<b>Primary Irritant Effect</b>	
<b>On the Skin</b>	: May cause skin irritation.
<b>On the Eye</b>	: Irritating effect.
<b>Sensitization</b>	: Sensitization possible through skin contact.
<b>Additional Toxicological Information</b>	: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant

### CARCINOGENIC CATEGORIES

<b>IARC (International Agency for Research on Cancer)</b>	: None of the ingredients is listed.
<b>NTP (National Toxicology Program)</b>	: None of the ingredients is listed.
<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	: None of the ingredients is listed.

## Section 12. Ecological Information

### TOXICITY

<b>Aquatic Toxicity</b>	: No further relevant information available.
<b>Persistence and Degradability</b>	: No further relevant information available.

### BEHAVIOR IN ENVIRONMENTAL SYSTEMS

<b>Bioaccumulative Potential</b>	: No further relevant information available.
<b>Ecotoxicological Effects</b>	: No further relevant information available.
<b>Mobility in Soil</b>	: No further relevant information available.
<b>Remark</b>	: Toxic for fish.
<b>General Notes</b>	: Water hazard class 1 (Self-assessment): slightly hazardous for water. 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. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms
<b>Results of PBT and vPvB Assessment</b>	: <b>PBT:</b> Not applicable. <b>vPvB:</b> Not applicable.
<b>Other Adverse Effects</b>	: No further relevant information available.

## Section 13. Disposal Considerations

### WASTE TREATMENT METHODS

**Recommendation** : Must not be disposed of as normal garbage. Do not allow product to reach sewage system.  
It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

### UNCLEANED PACKAGINGS

**Recommendation** : Disposal must be made according to federal, state and local regulations.

## Section 14. Transport Information

**UN-Number**  
DOT, ADR, IMDG, IATA : UN 1760

**UN Proper Shipping Name**  
DOT : Corrosive liquids, n.o.s. (nonylphenol).  
ADR : 1760 Corrosive liquids, n.o.s. (nonylphenol).  
Environmentally hazardous.  
IMDG : Corrosive liquid, N.O.S. (nonylphenol).  
Marine pollutant.  
IATA : Corrosive liquid, N.O.S. (nonylphenol).

### TRANSPORT HAZARD CLASS(ES)



**DOT** : :  
**Class:** 8 Corrosive substances.  
**Label:** 8

**ADR. IMDG** : :  
**Class:** 8 Corrosive substances  
**Label:** 8

**IATA** : :  
**Class:** 8 Corrosive substances  
**Label:** 8

## Section 14. Transport Information

### PACKING GROUP

<b>DOT, ADR, IMDG, IATA</b>	: III
<b>Environmental Hazards</b>	: Product contains environmentally hazardous substances: nonylphenol
<b>Marine Pollutant</b>	: Yes 
<b>Special marking (ADR):</b>	: 
<b>Special Precautions for User</b>	: Warning: Corrosive substances
<b>Danger Code (Kemler)</b>	: 80
<b>EMS Number</b>	: F-A,S-B
<b>Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code</b>	: Not applicable.

### TRANSPORT/ADDITIONAL INFORMATION

<b>DOT</b>	
<b>Remarks</b>	: Add "Marine Pollutant" to end of proper shipping name if shipping in a bulk container (>119 gallons).
<b>ADR</b>	
<b>Excepted Quantities (EQ)</b>	: Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: : 1000 ml
<b>U.S. Domestic Ground Shipments</b>	: Same as listed for Standard Shipments above.
<b>U.S. Domestic Ground Non-Bulk (119 Gal or Less per Container) Shipments</b>	: Same as listed for Standard Shipments above.
<b>Emergency Response Guide (ERG) Number</b>	: Not determined.
<b>IMDG</b>	
Limited quantities (LQ)	: 5L
Excepted quantities (EQ)	: Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation"</b>	: UN 1760, Corrosive liquids, n.o.s. (nonylphenol) Environmentally hazardous, 8, III



## Section 15. Regulatory Information

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

#### SARA

**SARA 355 (Extremely Hazardous Substances)** : None of the ingredient is listed.

**SARA 313 (Specific Toxic Chemical Listings)** : This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

None of the ingredient is listed.

**TSCA (Toxic Substances Control Act)** : All ingredients are listed.

**Proposition 65** : Chemicals known to the State of California (Prop. 65) to cause cancer: None of the ingredients is listed.

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

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

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

### CANCEROGENITY CATEGORIES

**EPA (Environmental Protection Agency)** : None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)** : None of the ingredients is listed.

**MAK (German Maximum Workplace Concentration)** : None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)** : None of the ingredients is listed.

**GHS label elements** : The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard Pictograms** : 

**Signal Word** : **Danger**

**Hazard-determining components of labeling** : nonylphenol

**Hazard Statements** : Causes severe skin burns and eye damage.  
Suspected of damaging fertility or the unborn child.  
May cause an allergic skin reaction.  
Suspected of causing genetic defects.

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

**Precautionary Statements** : Do not breathe dusts or mists.  
**If on skin (or hair):** Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.  
 Store locked up.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

### NATIONAL REGULATIONS

**Water Hazard Class** : Water hazard class 2 (Self-assessment): hazardous for water.  
**Chemical Safety Assessment** : A chemical safety assessment has not been carried out.

## Section 16. Other Information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

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**Abbreviations and Acronyms** : ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
 Repr. 2: Reproductive toxicity, Hazard Category 2