

Section 1. Identification

GHS Product Identifier : 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 1-800-424-9300 International 01-703-741-5500

Section 2. Hazard Identification

Classification of the Substance or Mixture	: Skin Irrit.	2	H315	Causes skin irritation.
	: Eye Dam.	1	H318	Causes serious eye damage.
	: Skin Sens.	1	H317	May cause an allergic skin reaction.
	: Muta	2	H341	Suspected of causing genetic defects.
	: Carc.	2	H351	Suspected of causing cancer.
	: Repr.	2	H361	Suspected of damaging fertility or the unborn child.
	: Aquatic Acute	2	H402	Toxic to aquatic life.
	: Aquatic Chronic	2	H412	Toxic to aquatic life with long lasting effects.

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 : 4-nonylphenol, branched
2,3-epoxypropyl o-tolyl ether
titanium dioxide

Hazard Statements : Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
Suspected of causing genetic defects.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary Statements : **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.

Section 2. Hazards Identification *cont'd.*

Specific treatment (see on this label).
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification System

NFPA Ratings (scale 0-4) : Health: 1
 Fire: 1
 Reactivity: 0

HMIS-Ratings (scale 0-4) : Health: 1
 Fire: 1
 Reactivity: 0

Other Hazards

Results of PBT and vPvB Assessment : **PBT:** Not applicable.
vPvB: Not applicable.

Section 3. Composition/Information on Ingredients

Chemical Characterization : Mixtures

Description : Mixture of the substances listed below with nonhazardous additions.

Dangerous Components

Ingredient Name	CAS No.	%
Diglycidyl ether of bisphenol A homopolymer	25085-99-8	≥10-<90%
2,3-epoxypropyl o-tolyl ether	2210-79-9	≥2.5-<10%
4-nonylphenol, branched	84852-15-3	≥2.5-<5%
titanium dioxide	13463-67-7	≥0.1-<1.2%

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

Section 4. First Aid Measures

- General Information** : Immediately remove any clothing soiled by the product.
In the event of persistent symptoms receive medical treatment.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After Inhalation** : Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
Immediately move exposed person to fresh air. If breathing difficulty persists or develops get prompt 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.

INFORMATION FOR DOCTOR

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

Section 5. Fire-Fighting Measures

- Suitable Extinguishing Agents** : Use fire fighting measures that suit the environment.
- Special 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.
Mouth respiratory protective device.

Section 6. Accidental Release Measures

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

Section 6. Accidental Release Measures *cont'd.*

- Environmental Precautions** : Do not allow product to reach sewage system or any water course. 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** : cool and dry
- Requirements to Be Met by Storerooms and Receptables** : No special requirements.
- Information About Storage in One Common Storage Facility** : Store away from foodstuffs.
- 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 skin.
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 : Gray

Odor : Characteristic

Odor Threshold : Not determined.

pH Value : Not determined.

Change in Condition

Melting Point/ Melting Range : Undetermined

Boiling Point/ Boiling Range : 261 °C (501.8 °F)

Flash Point : 155 °C (311 °F)

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

Flammability (Solid, Gaseous)	: Not applicable.
Ignition Temperature	: 370°C (698°F)
Decomposition Temperature	: Not determined.
Auto Igniting	: Product is not self-igniting.
Danger of Explosion	: Product does not present an explosion hazard.
Explosion limits	
Lower	: Not determined.
Upper	: Not determined.
Vapor Pressure	: Not determined.
Density at 20°C (68°F)	: 1.16951 g/cm ³ (9.75956 lbs/gal)
Relative Density	: Not determined.
Vapor Density	: Not determined.
Evaporation Rate	: Not determined.
Solubility in/Miscibility with Water	: Not miscible or difficult to mix.
Partition Coefficient (n-Octanol/Water)	: Not determined.
Viscosity	
Dynamic	: Not determined.
Kinematic	: Not determined.
Solids Content	: 100%
Other Information	: No further relevant information available.
Volatile Organic Compounds	: Contains less than 10 g/L

Section 10. Stability and Reactivity

Reactivity	: No decomposition if stored and applied as directed.
Chemical Stability	: No decomposition if stored and applied as directed.
Thermal Decomposition/ Conditions to Be Avoided	: No decomposition if used according to specifications.
Possibility of Hazardous Reactions	: No dangerous reactions known.
Conditions to Avoid	: Keep away from heat and sources of ignition.
Incompatible Materials	: No further relevant information available.
Hazardous Decomposition Products	: No dangerous decomposition products known.

Section 11. Toxicological Information

Acute Toxicity	: LD/LC50 values that are relevant for classification
	25085-99-8, Diglycidyl ether of bisphenol A homopolymer
	Oral LD50 5,000 mg/kg (rat)
	Dermal LD50 20,000 mg/kg (rabbit)
Primary Irritant Effect	
On the Skin	: May cause skin irritation.
On the Eye	: Strong irritant with the danger of severe eye injury.
Sensitization	: Sensitization possible through skin contact.
Additional Toxicological Information	: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant

CARCINOGENIC CATEGORIES

IARC (International Agency for Research on Cancer)	: titanium dioxide	13463-67-7	2B
	: silicon dioxide, chemically prepared	7631-86-9	3
NTP (National Toxicology Program)	: None of the ingredients are listed.		
OHSA-Ca (Occupational Safety & Health Administration)	: None of the ingredients are listed.		

Section 12. Ecological Information

TOXICITY

Aquatic Toxicity	: No further relevant information available.
Persistence and Degradability	: No further relevant information available.

BEHAVIOR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative Potential	: No further relevant information available.
Mobility in Soil	: No further relevant information available.

ECOTOXICAL EFFECTS

Remark	: Toxic for fish.
General Notes	: Water hazard class 1 (Self-assessment): slightly hazardous for water. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

Section 12. Ecological Information *cont'd.*

ECOTOXICAL EFFECTS

Results of PBT and vPvB Assessment	: PBT:	Not applicable.
	: vPvB:	Not applicable.
Other Adverse Effects	: No further relevant information available.	

Section 13. Disposal Considerations

WASTE TREATMENT METHODS

Recommendation	: 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.
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UNCLEANED PACKAGINGS

Recommendation	: Disposal must be made according to federal, state and local regulations.
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Section 14. Transport Information

UN-Number	: Not regulated.
DOT, ADR, ADN, IATA	: Not regulated.

UN Proper Shipping Name	: Not regulated.
DOT, ADR, ADN, IATA	: Not regulated.

TRANSPORT HAZARD CLASS(ES)

DOT, ADR, ADN, IMDG, IATA	: 
	Class: Not regulated.

PACKING GROUP

DOT, ADR, IMDG, IATA	: III
Environmental Hazards	: Not applicable.
Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code	: Not applicable.

Section 14. Transport Information *cont'd.*

TRANSPORT/ADDITIONAL INFORMATION

ADR

U.S. Domestic Ground Shipments : Same as listed for Standard Shipments above.

U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments : Same as listed for Standard Shipments above.

Emergency Response Guide (ERG) Number : Not determined.

UN "Model Regulation" : Not regulated.

Section 15. Regulatory Information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

SARA 355 (Extremely Hazardous Substances) : None of the ingredients are 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.

84852-15-3 4-nonylphenol, branched ≥2.5 - <5%

TSCA (Toxic Substances Control Act) :

Ingredient Name	CAS No.	Active
Diglycidyl ether of bisphenol A homopolymer	25085-99-8	Active
2,3-epoxypropyl o-tolyl ether	2210-79-9	Active
4-nonylphenol, branched	84852-15-3	Active
titanium dioxide	13463-67-7	Active
silicon dioxide, chemically prepared	7631-86-9	Active
Ferric Oxide	12227-89-3	Active
aluminium hydroxide	21645-51-2	Active

Hazardous Air Pollutants : None of the ingredients is listed.

Proposition 65 : Chemicals known to the State of California (Prop. 65) to cause cancer: 13463-67-7 titanium dioxide

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

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





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



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Section 15. Regulatory Information *cont'd.*

CANCEROGENITY CATEGORIES

EPA (Environmental Protection Agency)	: None of the ingredients are listed.
TLV (Threshold Limit Value established by ACGIH)	: 13463-67-7 titanium dioxide
MAK (German Maximum Workplace Concentration)	: 13463-67-7 titanium dioxide
NIOSH-Ca (National Institute for Occupational Safety and Health)	: 13463-67-7 titanium dioxide
GHS label elements	: The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard Pictograms	:     GHS05 GHS07 GHS08 GHS09
Signal Word	: Danger
Hazard-Determining Components of Labeling	: 4-nonylphenol, branched 2,3-epoxypropyl o-tolyl ether titanium dioxide
Hazard Statements	: Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Suspected of causing genetic defects. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary Statements	: 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. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

NATIONAL REGULATIONS

Water Hazard Class	: Water hazard class 3 (Self-assessment): extremely 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.

Date of Preparation	: 07/31/2020
Last Revision	: 04/30/2020
Department issuing SDS	: Environmental, Health & Safety Department
Contact	: Environmental, Health & Safety Manager
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
	PBT: Persistent, Bioaccumulative and Toxic
	vPvB: very Persistent and very Bioaccumulative
	NIOSH: National Institute for Occupational Safety
	OSHA: Occupational Safety & Health
	TLV: Threshold Limit Value
	PEL: Permissible Exposure Limit
	REL: Recommended Exposure Limit
	Skin Irrit. 2: Skin corrosion/irritation, Category 2
	Eye Dam. 1: Serious eye damage/eye irritation, Category 1
	Skin Sens. 1: Sensitization - Skin, Category 1
	Muta. 2: Germ cell mutagenicity, Category 2
	Carc. 2: Carcinogenicity, Category 2
	Repr. 2: Reproductive toxicity, Category 2
	Aquatic Acute 2: Hazardous to the aquatic environment - Acute Aquatic Hazard, Category 2
	Aquatic Chronic 2: Hazardous to the aquatic environment - Long-term Aquatic Hazard, Category 2