


## Section 1. Identification

<b>GHS Product Identifier</b>	: PaveSaver - Part C
<b>Relevant Identified Uses of the Substance or Mixture and Uses Advised Against</b>	: No further relevant information available.
<b>Supplier</b>	: The D.S. Brown Company 300 East Cherry Street North Baltimore, Ohio 45872 419-257-3561
<b>In Case of Emergency</b>	: Chemtrec 1-800-262-8200 International 01-703-741-5500
<b>Information Department</b>	: Environmental, health and safety department.

## Section 2. Hazards Identification

<b>Classification of the Substance or Mixture</b>	: Carc. 1A H350 May cause cancer.
<b>Classification According to Directive 67/548/EEC or Directive 1999/45/EC</b>	: May cause eye irritation.
<b>Information Concerning Particular Hazards for Human and Environment</b>	: The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions.
<b>Classification System</b>	: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
<b>GHS Label Elements Pictograms</b>	: 
<b>Signal Word</b>	: <b>Danger</b>
<b>Hazard Determining Components of Labeling</b>	: Quartz (SiO <sub>2</sub> )
<b>Hazard Statements</b>	: May cause cancer.
<b>Precautionary Statements</b>	: If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Use personal protective equipment as required. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 2. Hazards Identification *cont'd.*

### Classification System

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

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

### Other Hazards

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

## Section 3. Composition/Information on Ingredients

**Chemical Characterization** : Substances  
**CAS No. Description** : 14808-60-7 Quartz (SiO<sub>2</sub>)  
**Identification Number(s)** : EC number: 238-878-4  
**Chemical Characterization** : Mixtures  
**Description** : Mixture of the substances listed below with nonhazardous additions.  
**Dangerous Components** : Void  
**Additional Information** : For the wording of the listed risk phrases refer to section 16.

## Section 4. First Aid Measures

**After Inhalation** : Supply fresh air; consult doctor in case of complaints.  
**After Skin Contact** : If skin irritation continues, consult a doctor.  
**After Eye Contact** : Rinse opened eye for several minutes under running water.  
**After Swallowing** : **Seek medical treatment.**  
**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 Media** : CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Specific Hazards Arising** : No further relevant information available.
- Special Protective Equipment for Fire-Fighters** : 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

- For Non-Emergency Personnel** : Wear protective equipment. Keep unprotected persons away.
- Environmental Precautions** : No special measures required.  
Do not allow to enter sewers/ surface or ground water.
- Methods and Materials for Containment and Cleaning Up** : Pick up mechanically.
- 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

- 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.
- Requirements to Be Met by Storerooms and Receptables** : No special requirements.
- Information About Storage in One Common Storage Facility** : Not required.
- 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** :

- 14808-60-7 Quartz (SiO<sub>2</sub>)
  - PEL See Quartz listing
  - REL Long-term value: 0.05\* mg/m<sup>3</sup>\*respirable dust; See Pocket Guide App. A \*respirable dust; See Pocket Guide App. A
  - TLV Long-term value: 0.025\* mg/m<sup>3</sup> \*as respirable fraction
- 14808-60-7 Quartz (SiO<sub>2</sub>)
  - PEL See Quartz listing
  - TLV TLV withdrawn

**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
- Avoid contact with the eyes and skin.

**Breathing Equipment** : Not required.

**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** : Solic
- Color** : Different according to coloring.
- Odor** : Characteristic
- Odor Threshold** : Not determined.
- pH Value** : Not determined.
- Melting/Freezing Point** : 1713°C (3115°F)
- Boiling/Condensation Point** : Not determined.

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

<b>Flash Point</b>	: Not applicable.
<b>Flammability (Solid, Gas)</b>	: Not determined.
<b>Ignition Temperature</b>	
<b>Decomposition Temperature</b>	: Not determined.
<b>Auto Igniting</b>	: Product is not selfigniting.
<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 at 1732°C (3150°F)</b>	: 13.5 hPa (10 mm Hg)
<b>Density at 20°C (68°F)</b>	: 2.425 g/cm <sup>3</sup> (20.237 lbs/gal)
<b>Bulk Density at 20°C (68°F)</b>	: 1400 kg/m <sup>3</sup>
<b>Relative Density</b>	: Not determined.
<b>Vapour Density</b>	: Not applicable.
<b>Evaporation Rate</b>	: Not applicable.
<b>Solubility in/Miscibility with Water</b>	: Insoluble
<b>Partition Coefficient (n-Octanol/Water)</b>	: Not determined.
<b>Viscosity</b>	
<b>Dynamic</b>	: Not applicable.
<b>Kinematic</b>	: Not applicable.
<b>Solvent Content</b>	
<b>Organic Solvents</b>	: 0.0 %
<b>Solids Content</b>	: 100.0%
<b>Other Information</b>	: No further relevant information available.
<b>Volatile Organic Compounds</b>	: Not determined.

## Section 10. Stability and Reactivity

<b>Reactivity</b>	: N/A
<b>Chemical Stability</b>	: N/A
<b>Thermal Decomposition/ Conditions to Be Avoided</b>	: No decomposition if used according to specifications.
<b>Possibility of Hazardous Reactions</b>	: No dangerous reactions known.
<b>Conditions to Avoid</b>	: No further relevant information available.
<b>Incompatible Materials</b>	: No further relevant information available.
<b>Hazardous Decomposition Products</b>	: No dangerous decomposition products known.

## Section 11. Toxicological Information

<b>Acute Toxicity</b>	: N/A
<b>Primary Irritant Effect</b>	
<b>On the Skin</b>	: No irritant effect known.
<b>On the Eye</b>	: Irritating effect.
<b>Sensitization</b>	: No sensitizing effects known.
<b>Additional Toxicological Information</b>	: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.

### CARCINOGENIC CATEGORIES

<b>IARC</b>	: 14808-60-7	Quartz (SiO <sub>2</sub> )	1
	60676-86-0	Silica, fused	3
<b>NTP</b>	: 14808-60-7	Quartz (SiO <sub>2</sub> )	1
<b>OHSA-Ca</b>	: None of the ingredients is listed.		

## Section 12. Ecological Information

<b>Aquatic Toxicity</b>	: No further relevant information available.
<b>Persistence and Degradability</b>	: No further relevant information available.
<b>Bioaccumulative Potential</b>	: No further relevant information available.
<b>Mobility in Soil</b>	: No further relevant information available.
<b>Other Ecological Information</b>	
<b>General Notes</b>	: Generally not hazardous for water. Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Danger to drinking water if even extremely small quantities leak into the ground.

## Section 12. Ecological Information *cont'd.*

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

## Section 13. Disposal Considerations

**Waste Disposal 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.

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

## Section 14. Transport Information

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

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

**Transport Hazard Class(es)**  
**DOT, ADR, ADN** : Not regulated.  
**IMDG IATA**

**Packing Group**  
**DOT, ADR, IMDG, IATA** : Not regulated.

**Environmental Hazards** : Marine pollutant: No


**Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code** : Not applicable.

**Transport/Additional Information**  
**ADR** : U.S. Domestic Ground Shipments: Not regulated by DOT  
 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"** : -

## Section 15. Regulatory Information

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

<b>SARA 355 (Extremely Hazardous Substances)</b>	: None of the ingredients is listed.
<b>SARA 313 (Specific Toxic Chemical Listings)</b>	: 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 ingredients is listed.
<b>TSCA (Toxic Substances Control Act)</b>	: All ingredients are listed.
<b>Proposition 65</b>	: Chemicals known to the State of California (Prop. 65) to cause cancer: 14808-60-7 Quartz (SiO <sub>2</sub> )  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.
<b>Carcinogenicity categories EPA (Environmental Protection Agency)</b>	: None of the ingredients is listed.
<b>TLV (Threshold Limit Value established by ACGIH)</b>	: 14808-60-7 Quartz (SiO <sub>2</sub> ) A2
<b>MAK (German Maximum Workplace Concentration)</b>	: 14808-60-7 Quartz (SiO <sub>2</sub> ) 1
<b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	: Ingredients are not listed.
<b>GHS Label Elements</b>	: The substance is classified and labeled according to the Globally Harmonized System (GHS).
<b>Hazard Pictograms</b>	: 
<b>Signal Word</b>	: Danger



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

- Hazard-Determining Components of Labeling** : Quartz (SiO<sub>2</sub>)
- Hazard Statements** : May cause cancer.
- Precautionary Statements** : If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Use personal protective equipment as required.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
If exposed or concerned: Get medical advice/attention.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- 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 Printing** : 04/26/2015  
**Date of Issue** : 04/26/2015  
**Date of Previous Version** : 01/27/2015
- 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  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 Carc. 1A: Carcinogenicity, Hazard Category 1A