



# SAFETY DATA SHEET

Revision: 10/28/2015

## 1. Identification

Trade Name: Pel Plug TR30 – time release coated bentonite pellets

Intended use: Sealant

Data on the Company:

Manufacturer: PDSCo, Inc.  
105 W. Sharp St  
El Dorado, AR 71730  
USA  
Tel – 870 863 5707  
Fax – 870 863 0603  
[sales@pdscoinc.com](mailto:sales@pdscoinc.com)  
[www.pdscoinc.com](http://www.pdscoinc.com)

Importer: Drillers World Australia  
9/2 Marina Close  
Mt. Kuringai NSW 2081  
Australia  
Tel (02) 9457 0255  
[www.drillersworld.com.au](http://www.drillersworld.com.au)

## 2. Hazards Identification

Product not classified as hazardous according to US/EU regulations.

Human health effects: Not classified

Physicochemical effects: Not classified

## 3. Composition/Information on Ingredients

Substances:	Name & Synonyms	CAS number	%
	Bentonite	1302-78-9	100
	Montmorillonite		
	Smectite		
Constituents:			
	Quartz	14808-60-7	<= 5
	Feldspars	68476-23-5	<= 5
	Cristobalite	14464-46-1	<= 2
	Calcium Carbonate	471-34-1	<= 1

- The exact composition and concentration has been withheld as proprietary.

## 4. First-Aid Measures

Inhalation: No hazards which require first aid measures. Remove the source of contamination or remove the affected to fresh air. Clear any blocked airways. Seek medical attention if respiratory symptoms persist.

Ingestion: No hazards which require first aid measures. Do not make the individual vomit. Never give anything by mouth to an unconscious person. If the individual is conscious, have them rinse their mouth thoroughly with water. Obtain medical attention if symptoms develop.

Skin contact: No hazards which require first aid measures. Wash the skin with soap and water. If any irritation persists seek medical attention.

Eye contact: No hazards which require first aid measures. If irritation occurs flush thoroughly with water. If irritation persists seek medical attention.

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**5. Fire-Fighting Measures**

Suitable extinguishing media: All standard fire fighting media.

Extinguishing media which must not be used for safety reasons: None known

Special exposure hazards: The product itself will not burn.  
The product becomes slippery when wet.

Special protective equipment for fire-fighters: Standard protective clothing and fire fighting equipment.

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**6. Accidental Release Measures**

Personal precautions: No specific precautions are necessary. Avoid creating and breathing dust – see section 8. The product becomes slippery when wet.

Environmental precautions: No special environmental precautions required.

Methods for cleaning up: Avoid creating and breathing dust.

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**7. Handling and Storage**

Handling: Do not breathe airborne dust and avoid creating dusty conditions. Material is slippery when wet.

Storage: Store in dry storage area. Close container when not in use.  
No restrictions on storage with other products.

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**8. Exposure Controls/Personal Protection**

Occupational Exposure Limits

OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Constituents	Type	Value	Form
Inert or Nuisance Dusts (CAS SEQ250)	PEL	5 mg/m <sup>3</sup>	Respirable Fraction
		15 mg/m <sup>3</sup>	Total Dust

OSHA Table Z-3 Limits for Mineral Dusts (29 CFR 1910.1000)

Constituents	Type	Values	Form
Inert or Nuisance Dusts (CAS SEQ250)	TWA	5 mg/m <sup>3</sup> & 15 MPPCF	Respirable Fraction
		15 mg/m <sup>3</sup> & 50 MPPCF	Total Dust

ACGIH Threshold Limit Values

Constituents	Type	Values	Form
Inert or Nuisance Dusts (CAS SEQ250)	TWA	3 mg/m <sup>3</sup>	Respirable Fraction
		10 mg/m <sup>3</sup>	Total Dust

Appropriate Engineering Controls:	Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits.
Personal Protective Equipment:	If engineering controls and work practices cannot prevent excessive exposure, the selection of personal protective equipment should be determined by a qualified professional based on specific application of this product.
Respiratory protection:	Ensure good ventilation. Use a particulate filter respirator for particulate concentrations exceeding the occupational exposure limits.
Hand protection:	Not required under normal conditions.
Eye protection:	Goggles or safety glasses when there is danger of eye contact.
Skin protection:	Standard work clothing.
Environmental exposure controls:	No special requirements.

## 9. Physical and Chemical Properties

Appearance:	Pellets
Odor:	None/slight
PH (0.5% solution):	7 - 11
Melting point:	Not determined.
Boiling point:	Not applicable
Flash point:	Not applicable
Explosive properties:	Not explosive
Oxidizing properties:	Not determined
Vapor pressure:	Not determined
Vapor density:	Not applicable
Relative density:	2.6 g/cm <sup>3</sup>
Solubility	
- water solubility:	< 0.9 mg/l
Partition coefficient:	
n-octanol/water:	Not applicable
Viscosity:	Not applicable
Evaporation rate:	Not applicable

## 10. Stability and Reactivity

Stability:	Stable under normal conditions of use.
Conditions to avoid:	Moisture
Materials to avoid:	None known
Hazardous decomposition products:	None

## 11. Toxicological Information

Acute toxicity:	Not classified
Eye Contact:	Dust in the eyes may cause irritation.
Ingestion:	Not classified
Inhalation:	Inhalation of dust may cause irritation.
Skin contact:	Not classified

Toxicology Data

Substance	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bentonite	1302-78-9	> 5000 mg (rat) > 2000 mg (rat)	No data No data	> 5.27 mg/L (rat) No data

**12. Ecological Information**

Ecotoxicity

Substance	CAS Number	Species	Toxicity Results
Bentonite	1302-78-9	Oncorhynchus Mykiss	TLM96 10000 ppm
		Oncorhynchus Mykiss	LC50 (96h) 16000-19000 mg/L
		Black Bass	LC50 (24h) 2800-3200 mg/L
		Warmouth Bass	LC50 (24h) 2800-3200 mg/L
		Blue Gill	LC50 (24h) 2800-3200 mg/L
		Sunfish	LC50 (24h) 2800-3200 mg/L
		Metacarcinus Magister	EC50 (96h) 81.6 mg/L
		Pandalus Danae	EC50 (96h) 24.8 mg/L
		Daphnia Magna	EC50 (48h) > 100 mg/L

Persistence and degradability:	Not applicable to inorganic substances
Bioaccumulative potential:	Will not bioaccumulate.
Mobility in soil:	Near insoluble, low mobility in soil.
Other adverse effects:	No adverse ecological effects.

### 13. Disposal Considerations

Disposal Instructions: Dispose according to all local, state and federal regulations.  
Hazardous waste code: Not regulated  
Contaminated packaging: Follow all applicable regulations.

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### 14. Transport Information

Land transport (DOT/ADR) Not classified as dangerous for transport.  
Sea transport (IMDG/IMO): Not classified as dangerous for transport.  
Air transport (IATA/ICAO): Not classified as dangerous for transport.

Transport in bulk according to Annex II  
of MARPOL 73/78 and the IBC Code: Not applicable

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### 15. Regulatory Information

SARA Title III Section 311 Categories  
Immediate (Acute) Health Effects: No  
Delayed (Chronic) Health Effects: No  
Fire Hazard: No  
Sudden Release of Pressure Hazard No  
Reactivity Hazard: No

SARA 302 Extremely Hazardous Substances  
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
None present

SARA 313 – Specific Toxic Chemical Listings  
This material does not contain any chemical components with known CAS numbers that exceed the  
threshold (De Minimis) reporting levels established by SARA Title III, Section 313.  
None present

CERCLA Hazardous Substances List (40 CFR 302.4)  
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)  
Not listed

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### 16. Other Information

HMIS Rating  
Health: 1  
Flammability: 0  
Reactivity: 0

NFPA Rating  
Health: 0  
Fire: 0  
Reactivity: 0

Training advice  
Read the safety data sheet and technical data sheet prior to using the product.

#### Further Information

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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