

Safety Data Sheet

Bulldog Durex Elastomeric Coating #TC101

SDS Revision Date: 06/01/2015



SECTION 1: Identification

1.1. Product identifier

Product Identity Bulldog Durex Elastomeric Coating #TC101
Alternate Names Bulldog Durex Elastomeric Coating #TC101

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet
Application Method See Technical Data Sheet

1.3. Details of the supplier of the safety data sheet

Company Name Palmer Asphalt Company
196 West 5th St., P.O. Box 58
Bayonne, NJ 07002

Emergency Telephone No.

(201) 339-0855
8:00a.m. - 5:00p.m. EST

After Hours

CHEMTREC:
(800) - 424-9300 (Domestic – No. America)

SECTION 2: Hazards identification

GHS Ratings:

Skin Irritant	3	Reversible adverse effects in dermal tissue, Draize score: $\geq 1.5 < 2.3$
Eye Irritant	2B	Mild eye irritant: Subcategory 2B, Reversible in 7 days
Carcinogen	2	Limited evidence of human or animal carcinogenicity

GHS Hazards

H316	Causes mild skin irritation
H320	Causes eye irritation
H351	Suspected of causing cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash hands thoroughly after handling
P281	Use personal protective equipment as required
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P405	Store locked up
P501	Dispose of contents/container in accordance with all local, state, federal and international regulations.

Safety Data Sheet

Bulldog Durex Elastomeric Coating #TC101

SDS Revision Date: 07/23/2015



Signal Word: Warning



SECTION 3: Composition/information on ingredients

Chemical Name	CAS number	Weight Concentration %
Calcium Carbonate	1317-65-3	35.00%
Water	7732-18-5	31.00%
Titanium Dioxide	13463-67-7	6.00%
Zinc Oxide	1314-13-2	4.00%
Propylene Glycol	57-55-6	1.00%

(1) There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or environment and hence require reporting in this section

(2) Occupational exposure limits, if applicable, are listed in Section 8

SECTION 4: First aid measures

Inhalation: If affected, remove from exposure. Restore breathing. Get medical attention.

Eye Contact: Flush eyes with large amount of water for 15 minutes while holding eye lids open. Get medical attention.

Skin Contact: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

Ingestion: Do not induce vomiting. Call poison control and/or seek medical attention immediately.

Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Fire Fighting Measures

Flash Point: Non-Combustible

Extinguishing Media: Carbon Dioxide, Dry Chemical, or Alcohol Foam

Special Hazards: Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat. Material may spatter above 100C / 212 F.

Special Firefighting Equipment & Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat

Safety Data Sheet

Bulldog Durex Elastomeric Coating #TC101

SDS Revision Date: 07/23/2015



SECTION 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area. Dike around spill and absorb liquids with absorbent. Sweep up and shovel into suitable containers for disposal. Stop spill from entering drains, sewers, streams, or waterways. Affected spill area may be slippery. Wear appropriate personal protection equipment while in affected area.

SECTION 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Do not store above 50C / 122 F, near heat or open flame. Protect from freezing. Close container and keep upright to prevent leakage. Keep out of reach of children. Transfer only to approved containers with complete and appropriate labeling.

SECTION 8: Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits
Calcium Carbonate 1317-65-3	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Water 7732-18-5	N/A	N/A
Titanium Dioxide 13463-67-7	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³
Zinc Oxide 1314-13-2	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³
Propylene Glycol 57-55-6	Not Established	Not Established

PRECAUTIONS TO BE TAKEN IN USE:

Use only with adequate ventilation

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

This coating contains materials classified as nuisance particles which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in this section, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

Ventilation: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Work/ Hygienic Practices: Wash hands before eating, smoking or using the wash room after use of this product. Do not consume food or beverages where this product is handled.

Safety Data Sheet

Bulldog Durex Elastomeric Coating #TC101

SDS Revision Date: 07/23/2015



Respiratory Protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

Protective Gloves: Required for long or repeated contact. Use neoprene or rubber gloves to prevent skin contact.

Eye Protection: Wear safety spectacles with side shields.

Other Protective Clothing or Equipment: Use disposable or impervious clothing if work clothing contamination is likely. Availability of eye wash and shower stations recommended.

SECTION 9: Physical & Chemical Properties

Appearance: Liquid	Odor: Mild Ammonia
Vapor Pressure: No Data	Odor threshold: No Data
Vapor Density: No Data	pH: 8.5 - 10
Specific Density: 1.456142932	Freezing point: 0 C , 32 F
Solubility: No Data	Boiling range: 100 C, 212 F
Flash point: N/A	Evaporation rate: Slower than ether
Flammability: N/A	Explosive Limits: N/A
Partition coefficient (n-octanol/water): No Data	Autoignition temperature: N/A
Decomposition temperature: No Data	Viscosity: 100 - 130 KU
Grams VOC less water: < 50 g/L	

SECTION 10: Stability and reactivity

STABLE

Conditions to avoid: Freezing temperature; Heat, flames & sparks.

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon Monoxide; Carbon Dioxide

Safety Data Sheet

Bulldog Durex Elastomeric Coating #TC101

SDS Revision Date: 07/23/2015



SECTION 11: Toxicological information

Mixture Toxicity: No Data Available

Component Toxicity

13463-67-7 Titanium Dioxide
Oral LD50: 5,000 mg/kg (Rat) Inhalation LC50: 7 mg/L (Rat)

Effect of Overexposure:

Eye and nasal irritation, headache, dizziness, nausea, difficulty breathing, itching or burning eye skin.

Carcinogenicity: Although IARC has classified titanium dioxide as possibly carcinogenic to humans (Category 2), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
13463-67-7	Titanium Dioxide	6	Category 2

SECTION 12: Ecological information

Mixture Ecotoxicity: No Data Available

Component Ecotoxicity

Titanium Dioxide	LC50/ 96 h/ Fathead Minnow: > 1,000 mg/L
Zinc Oxide	LC50/ 48 h/ Water Flea: 98 ug/L
Propylene Glycol	EC50/ 48 h/ Water Flea: > 1,000 mg/L

SECTION 13: Disposal considerations

Waste Disposal Method: Dispose of in accordance with International, Federal, State/Provincial, and Local regulations regarding pollution. Local requirements may vary, consult your local sanitation and/or state designated environmental protection agency for disposal options.

SECTION 14: Transport information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc. .), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint, Not Regulated	N/A	N/A	N/A

Safety Data Sheet

Bulldog Durex Elastomeric Coating #TC101

SDS Revision Date: 07/23/2015



SECTION 15: Regulatory information

OSHA: This mixture is considered to be hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

US Toxic Substance Control Act: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory

SARA Section 313: This product contains the following ingredients and as such, is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372
1314-13-2 Zinc Oxide 4 %

California Proposition 65: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

State of New Jersey Worker and Community Right-To-Know Act: This product contains the following chemicals which appear on the New Jersey Hazardous Substance List:

- 57-55-6 Propylene Glycol
- 1314-13-2 Zinc Oxide
- 13463-67-7 Titanium Dioxide
- 1317-65-3 Calcium Carbonate

Commonwealth of Pennsylvania Worker and Community Right-To-Know Act: This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:

- 57-55-6 Propylene Glycol
- 1314-13-2 Zinc Oxide
- 13463-67-7 Titanium Dioxide
- 1317-65-3 Calcium Carbonate

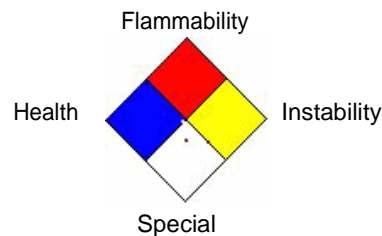
SECTION 16: Other information

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	:

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



The information contained herein relates only to the specific material identified. Palmer Asphalt Company believes that such information is accurate and reliable as of the date of this Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Since conditions of use are out of our control, users assume all risks associated with the use of the material and are advised to confirm in advance that the information contained in this SDS is correct, applicable, and suitable to their circumstances. Date revised: 2015-06-01 Revision number: 1.1