

Safety Data Sheet

#203HS BULLDOG Silicone Coating

SDS Revision Date: 5/14/2019



1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product Identity #203 HS BULLDOG Silicone Coating
Alternate Names #203 HS BULLDOG Silicone Coating

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)

2. Hazards Identification:

GHS Ratings:

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Reproductive toxin toxicity	2	Human or animal evidence possibly with other information Aquatic
	C4	Acute toxicity > 100 mg/l and lack of rapid degradability and log Kow >= 4 unless BCF < 500 and unless chronic toxicity > 1 mg/l

GHS Hazards

H302	Harmful if swallowed
H361	Suspected of damaging fertility or the unborn child
H413	May cause long lasting harmful effects to aquatic life

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
P270	Do not eat, drink or smoke when using this product
P273	Avoid release to the environment
P281	Use personal protective equipment as required
P330	Rinse mouth
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P308+P313	IF exposed or concerned: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

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Signal Word: Warning



Acute Toxicity:

Eyes: May cause irritation & burns.

Skin: Minor potential for irritation.

Inhalation: Liquid may cause irritation.

Ingestion: May cause irritation & burns.

Conditions Aggravated: Unknown

Chronic Effects: Possible harmful target organ effects.

3. Composition/Data on Components:

Chemical Name	CAS number	Weight Concentration %
Siloxanes and silicones, dimethyl, hydroxy-terminated	70131-67-8	50.00% - 60.00%
Quartz	14808-60-7	30.00% - 40.00%
Rutile (TiO ₂)	1317-80-2	5.00% - 10.00%
2-Butanone, O,O',O''-(methylsilyldiyl)trioxime	22984-54-9	5.00% - 10.00%
Octamethylcyclotetrasiloxane	556-67-2	1.00% - 5.00%

4. First Aid Measures:

Inhalation: If symptoms ensue, move to fresh air. If breathing is difficult, give oxygen.

After Eye Contact: Rinse opened eye for at least 15 minutes under running water. Remove contact lenses if present and easy to do so, and continue rinsing.

After Skin Contact: Clean affected area with soap and plenty of water.

After Swallowing: Consult physician.

Notes to Physician: Treat symptomatically

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5. Fire Fighting Measures:

Flash Point: >200°F, 93°C

LEL: N/A

UEL: N/A

Suitable Extinguishing Agents: Water spray, CO₂, Foam, Dry chemical

Information about Protection against Explosions and Fires: Closed containers may rupture when exposed to extreme heat.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, oxides of silicon.

Protective Equipment: Firefighters should wear a pressure demand self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures:

Person-Related Safety Precautions: Avoid contact with skin and eyes.

Measures for Environmental Protection: Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations.

7. Handling and Storage:

Information for Safe Handling: Avoid contact with skin or inhalation.

Storage Requirements: Store in dry, well ventilated area. Avoid contact with moisture. Keep containers tightly closed. Store between 60°F-100°F. Material may settle.

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8. Exposure Controls and Personal Protection:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Siloxanes and silicones, dimethyl, hydroxy-terminated 70131-67-8	Not Established	Not Established	Not Established
Quartz 14808-60-7	Not Established	0.025 mg/m3 TWA (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)
Rutile (TiO2) 1317-80-2	Not Established	Not Established	Not Established
2-Butanone, O,O',O''-(methylsilylidyne)trioxime 22984 54 9	Not Established	Not Established	Not Established
22984 54 9 Octamethylcyclotetrasiloxane 556-67-2	Not Established	Not Established	Not Established

Engineering Controls: No specific measures required.

General Protective and Hygienic Measures: Usual precautionary measures should be adhered to when handling chemicals.

Personal Protective Equipment:

Respiratory Protection: None required if work area is properly ventilated.

Hand Protection: Protective chemical resistant gloves.

Eye Protection: Safety glasses.

Body Protection: Protective work clothing. Launder separately.

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9. Physical and Chemical Properties:

Appearance: Various colored liquid	Odor: Mild silicone odor
Vapor Pressure: N/A	Odor threshold: N/A
Vapor Density: N/A	pH: N/A
Specific Gravity: 1.29	Melting point: N/A
Freezing point: N/A	Solubility: N/A
Boiling range: 2230 - 3000°C	Flash point: >200°F, 93°C
Evaporation rate: N/A	Flammability: N/A
Explosive Limits: N/A	Partition coefficient (n-octanol/water): N/A
Autoignition temperature: N/A	Decomposition temperature: N/A

10. Stability and Reactivity:

Physical properties listed where known.

Incompatible Materials: Avoid contact with isocyanates and strong oxidizing agents.

Hazardous Polymerization: Not expected to occur.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, oxides of silicon, traces of HCN.

11. Toxicological Information:

Mixture Toxicity

Oral Toxicity LD50: 1,661mg/kg

Inhalation Toxicity LC50: 1,353mg/L

Component Toxicity

556-67-2

Octamethylcyclotetrasiloxane

Dermal LD50: 794 µL/kg (Rabbit) Inhalation LC50: 36 g/m3 (Rat)

Toxicity Values Listed if Known

Acute Toxicity:

Eyes: May cause irritation & burns.

Skin: Minor potential for irritation.

Inhalation: Liquid may cause irritation.

Ingestion: May cause irritation & burns.

Chronic Effects: Possible harmful target organ effects.

Routes of Entry : Ingestion, skin contact, eye contact

Target Organs: Eyes, skin, digestive tract.

Chemicals with Known or Possible Carcinogenic Effects:

CAS Number

14808-60-7

Description

Quartz

% Weight

30 to
40%

Carcinogen Rating

Quartz: NIOSH: potential
occupational carcinogen
IARC: Human carcinogen
OSHA: listed

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13. Disposal Considerations:

Recommendation: Observe local requirements. Dispose of in accordance with local/state/federal regulations.

Empty Container Precautions: Recondition or dispose of empty container in accordance with governmental regulations. If container is to be disposed, ensure all product residues are removed and container is empty prior to disposal.

14. Transport Information:

Not classified as a dangerous good according to transport regulations unless specifically cited below:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
	None			

15. Regulatory Information:

OSHA HAZARD COMMUNICATION STANDARD: This material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA 311/312 Hazard Categories: None.

California Proposition 65

(Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute unless otherwise listed:

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

Quartz 14808-60-7 30 to 40 % CARC

Massachusetts Right To Know List:

Quartz 14808-60-7 30 to 40 %

New Jersey Right To Know List:

Quartz 14808-60-7 30 to 40 %

Pennsylvania Right To Know List:

Rutile (TiO₂) 1317-80-2 5 to 10 %

Quartz 14808-60-7 30 to 40 %

SARA 302 Extremely Hazardous Substances:

- None

-

Chemicals subject to SARA 313 Reporting:

- None

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<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Canada	Canada DSL	Yes
US	Toxic Substances Control Act	Yes

16. Other Information:

Safety Data Sheet issued by Product Safety Department

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Palmer Asphalt Company. The data on these sheets relates only to the specific material designated herein. Palmer Asphalt Company assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws.

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