

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity Bulldog QuikBond® #404
Alternate Names Bulldog QuikBond® #404

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

2.1. Classification of the substance or mixture

GHS-US classification

Skin Sens. 1 H317
Carc. 1B H350

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H317 - May cause an allergic skin reaction
H350 - May cause cancer

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing spray, vapors
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear eye protection, protective clothing, protective gloves
P302+P352 - If on skin: Wash with plenty of water
P308+P313 - If exposed or concerned: Get medical advice/attention
P321 - Specific treatment (see details on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P405 - Store locked up
P501 - Dispose of contents/container to in accordance with local, regional, and national regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
asphaltic bitumen, not cut back	(CAS No) 8052-42-4	35 - 45	Carc. 2, H351
Distillates (petroleum), solvent-dewaxed heavy paraffinic, Base oil - unspecified, [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F	(CAS No) 64742-65-0	> 0.5	Carc. 1B, H350
Dimethyl Oxazolidene	(CAS No) 51200-87-4	0.068 - 0.204	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3 H335
Distillates (petroleum), hydrotreated middle, Gasoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]	(CAS No) 64742-46-7	0.025 - 0.15	Carc. 1B, H350

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Water Based Product with no Flash Point. Material will not burn in liquid state. Cured product will burn.
Reactivity : Product is stable.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : DO NOT SUBJECT TO FREEZING TEMPERATURES. Freezing will destroy the product rendering not useable.
Storage conditions : Store in a dry place. Store in a closed container. Keep only in the original container in a cool, well ventilated place away from : Heat sources, Corrosion Sources. Keep container closed when not in use.
Incompatible products : Oxidizing agent. Strong bases. Strong acids.
Incompatible materials : Avoid contact with strong oxidizers. Heat sources. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bulldog QuikBond® #404	
ACGIH	Not applicable
OSHA	Not applicable

Distillates (petroleum), solvent-dewaxed heavy paraffinic, Base oil - unspecified, [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] (64742-65-0)

ACGIH	Not applicable
OSHA	Not applicable

Distillates (petroleum), hydrotreated middle, Gasoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).] (64742-46-7)

ACGIH	Not applicable
OSHA	Not applicable

asphaltic bitumen, not cut back (8052-42-4)	
ACGIH	Not applicable
OSHA	Not applicable

Dimethyl Oxazolidene (51200-87-4)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Personal protective equipment : Gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.



- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Respiratory protection : Respiratory protection not required in normal conditions. Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Dark brown, thick consistency.
Color	: brown
Odor	: Very mild hydrocarbon odor.
Odor threshold	: No data available
pH	: 6 - 8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: ≈ 212 °F
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: > 1.04 g/cm ³
Percent Solids	: ≈ 50 %
Solubility	: Soluble in water. Water: Solubility in water of component(s) of the mixture : • talc: < 0.1 g/100ml • magnesium carbonate: < 0.1 g/100ml • 2-amino-2-methylpropanol: Complete
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 10: Stability and reactivity

10.1. Reactivity

Product is stable.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Avoid contact with strong oxidizers.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

hydrogen sulfide, sulfides. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Dimethyl Oxazolidene (51200-87-4)

ATE US (oral)	500.000 mg/kg bodyweight
ATE US (dermal)	1100.000 mg/kg bodyweight
ATE US (gases)	4500.000 ppmv/4h
ATE US (vapors)	11.000 mg/l/4h
ATE US (dust,mist)	1.500 mg/l/4h

Skin corrosion/irritation : Not classified pH: 6 - 8

Serious eye damage/irritation : Not classified pH: 6 - 8

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : May cause cancer.

asphaltic bitumen, not cut back (8052-42-4)

IARC group	2A - Probably carcinogenic to humans, 2B - Possibly carcinogenic to humans
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Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 12: Ecological information

12.1. Toxicity

- Ecology - general : This product may cause adverse environmental effects if used improperly or release to the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plant and animal species.
- Ecology - water : Very toxic to aquatic life.

12.2. Persistence and degradability

Bulldog QuikBond® #404

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Bulldog QuikBond® #404

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

- Effect on ozone layer :
- Effect on the global warming : No known ecological damage caused by this product.
- Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : Dispose of contents/container in accordance with all local, state, and national regulations.
- Ecology - waste materials : Avoid release to the environment.

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 14: Transport information

In accordance with DOT : Not Regulated for transport

Additional information

Other information : Not classified as a hazardous material under HM-181.

ADR No additional information available

Transport by sea No additional information available

Air transport No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Bulldog QuikBond® #404

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

3,4,4,-trimethyloxazolidine	CAS No 75673-43-7	0.004%
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This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC

[DPD]

Not classified

15.2.2. National regulations

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

asphaltic bitumen, not cut back (8052-42-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

Safety Data Sheet

Bulldog QuikBond® #404

SDS Revision Date: 05/05/2015



SECTION 16: Other information

Other information : None.

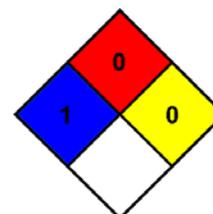
Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 1B	Carcinogenicity, Category 1B
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitization — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H350	May cause cancer
H351	Suspected of causing cancer

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : C

TBC SDS US (GHS Hazcom 2012)

The information and recommendations contained herein are to the best of PALMER ASPHALT COMPANY'S knowledge and belief, accurate and reliable as of the date issued. PALMER ASPHALT COMPANY does not warrant or guarantee their accuracy or reliability, and PALMER ASPHALT COMPANY shall not be liable for any loss or damage arising out of the use thereof.

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The Environmental Information included, as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by PALMER ASPHALT COMPANY in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with PALMER ASPHALT COMPANY'S interpretation of the available data.