



MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product: #115 BULLDOG/DUREX EPDM Rinseable Primer
Product Code: #115
MSDS Date: 6-01-08

2. COMPANY IDENTIFICATION

Palmer Asphalt Company

196 West 5th Street
Bayonne, NJ 07002

Emergency Phone # 201-339-0855 (8:00 am - 5:00 pm EST)

After Hours Call: CHEMTREC

800-424-9300 (Domestic - No. America)
703-527-3887 (International)

3. COMPOSITION-INFORMATION ON INGREDIENTS

#	Ingredient	CAS Reg. #	Weight (%)
1	Inorganic salts	Trade Secret	09-11
2	Anionic/nonionic surfactant mixture	Trade Secret	01-03
3	Water	7732-18-5	87-89

See Section 10, Exposure Controls – Personal Protection

4. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Color	Light Pink
State	Liquid
Odor Characteristic	Mild odor
pH	13 – 13.5
Vapor Density (Air = 1)	1.0 Water
Vapor Pressure	No data
Melting Point	0 ⁰ C/32 ⁰ F Water
Boiling Point	100 ⁰ C/212 ⁰ F Water
Solubility in Water	Completely soluble
Percent Volatile	87 to 89%
Evaporation Rate (Butyl Alcohol =1)	> 1 Water

The physical and chemical data given in Section 4 are typical values for this product and are not intended to be product specifications.

5. HAZARDS IDENTIFICATION

Primary Routes of Exposure

Inhalation
Skin Contact
Eye Contact

Inhalation

Inhalation of vapor or mist can cause the following:

-severe irritation of nose, throat and lungs – chest pain – coughing

Eye Contact

Material can cause the following:

-severe irritation – pain – tearing – corneal burns

Skin Contact

Prolonged or repeated skin contact can cause the following:

-moderate skin irritation – reddening

Contact with moist skin will cause the following:

-burns

Ingestion

Material is harmful if swallowed.

Material can cause the following:

-gastrointestinal irritation – nausea – vomiting – diarrhea

6. FIRST AID MEASURES**Inhalation**

Move subject to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Call a physician.

Eye Contact

IMMEDIATELY flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention.

Skin Contact

Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Get prompt medical attention.

Wash contaminated clothing thoroughly before reuse. Do not take clothing home to be laundered.

Ingestion

DO NOT induce vomiting. Give milk or water to drink. See a physician. If vomiting occurs spontaneously, keep airway clear. Careful gastric lavage may be indicated.

Note to Physician

No specific antidote, treat symptomatically.

7. FIRE FIGHTING MEASURES

Flash Point	Non-combustible
Auto-ignition temperature	No-data
Lower Explosive Limit	Not applicable
Upper Explosive Limit	Not applicable

Extinguishing agents

Use extinguishing media appropriate for surrounding fire.

Personal Protective Equipment

As in any fire, wear self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent) and full protective gear.

Special Procedures

Contain run-off. Remain upwind. Use water spray to cool containers exposed to fire.

8. ACCIDENTAL RELEASE MEASURES

Personal Protection

Wear compatible, chemically resistant gloves. Wear protective clothing including splash proof goggles and rubber overshoes. MATERIAL IS SEVERE IRRITANT. If exposed to material during clean-up operations, IMMEDIATELY remove all contaminated clothing and wash exposed areas with soap and water. See SECTION 6, First Aid Measures for further information.

Procedures

Contain spills immediately with inert materials (e.g. sand, earth). If material is spilled in a confined area ventilate the area well. Keep spectators away. Floor may be slippery; use care to avoid falling. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. WARNING: KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER.

9. HANDLING & STORAGE

Storage Conditions

Avoid temperature extremes during storage; ambient temperature preferred. Store in well-ventilated area. Keep container tightly closed when not in use.

Handling Procedures

This material is a severe irritant. See SECTION 10, Exposure Controls – Personal Protection, prior to handling. Wash after handling and shower at end of work period.

Do not handle material near food, feed, or drinking water.

Other

Improper disposal or re-use of this container may be dangerous and illegal. Refer to applicable local, state and federal regulations.

10. EXPOSURE CONTROLS – PERSONAL PROTECTION

Exposure Limit Information

#	Component	CAS Reg. #	Weight (%)
1	Inorganic salts	Trade Secret	09-11
2	Anionic/nonionic surfactant mixture	Trade Secret	01-03
3	Water	7732-18-5	87-89

Component #	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
1	None	None	None	None
2	None	None	None	None
3	None	None	None	None

Respiratory Protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required under normal operation conditions. Where vapor or mists may occur, wear a MSHA/NIOSH approved (or equivalent) half-mask air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N-95 filters. If oil mist is present. Use R95 or P95 filters.

Eye Protection

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

Hand Protection

Chemical-resistant gloves should be worn whenever this material is handled.

Glove permeation data does not exist for this material. The following glove(s) should be used for splash protection only:

-Neoprene

-Butyl rubber

Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Rinse and remove gloves immediately after use. Wash hands with soap and water.

Other protection

Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Engineering Controls (Ventilation)

Use local exhaust ventilation with a minimum capture velocity of 100ft/min. (.5 m/sec.) at the point of vapor evolution.

Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Other Protective Equipment

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

11. STABILITY AND REACTIVITY

Instability

This material is considered stable. However, avoid exposure to excessive heat.

Hazardous Decomposition Products

There are no known hazardous decomposition products for this material.

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Incompatibility

Avoid contact with the following:

-strong oxidizers – strong reducing agents – strong bases – strong acids – aluminum – strong mineral acids

12. TOXICOLOGICAL INFORMATION

Acute Data

No toxicity data are available for this material.

The information shown in SECTION 5 HAZARDS IDENTIFICATION, is based on toxicity profiles of similar materials or on the components present in this material

Toxicity data for component 01:

Oral LD50 – rat: 6,500 mg/kg

Toxicity data for component 02:

Oral LD50 – rat: 707 mg/kg

Dermal LD50 – rabbit: 12,300 mg/kg

Inhalation LC50 – rat: >21.5 mg/L

13. ECOLOGICAL INFORMATION

Environmental Toxicity

Algae, 96 Hour EC50: 0.2 mg/l (Highly toxic);²

Fish, 96 Hour LC50: 7 to 9 mg/l (Highly toxic);²

Daphnia magna, 48 Hour EC50: >100 mg/l (Practically non-toxic);¹

Fish, 96 Hour LC50: 120 to 220 mg/l (Practically non-toxic);¹

Footnote 1: Data is for component 1

Footnote 2: Data is for component 2

14. DISPOSAL CONSIDERATIONS

Procedure

Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations. (See 40 CFR 268)

The above recommendation covers disposal of material as supplied.

15. TRANSPORT INFORMATION

US DOT Hazard Class	Nonregulated
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16. REGULATORY INFORMATION

Workplace Classification

This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200)

This product is a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS)

SARA TITLE 3: Section 311/312 Categorizations (40CFR 370)

This product is a hazardous chemical under 29CFR 1910.1200, and is categorized as an immediate health hazard.

SARA TITLE 3: Section 313 Information (40CFR 372)

This product does not contain a chemical that is listed in Section 313 at or above de minimis concentrations.

CERCLA Information (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

Waste Classification

When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

United States

All components of this material are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory

California (Proposition 65)

This product contains trace levels of a component of components known to the State of California to cause cancer:

-1,4-Dioxane (123-91-1)

This product contains trace levels of a component of components known to the State of California to cause cancer and birth defects or other reproductive harm:
-Ethylene oxide (75-21-8)

17. OTHER INFORMATION

Category	HMIS – #115	Scale
Toxicity	3	4=Extreme
Fire	0	3=High
Reactivity	0	2=Moderate
Special	-	1=Slight
		0=Insignificant

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 Material Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Palmer Asphalt Company urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular use.

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