MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product: #113 BULLDOG/DUREX Rust Inhibitive Primer
Product Code: #113
MSDS Date: 06-01-08

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. INGREDIENTS

#	Ingredient	CAS Reg. #	Weight (%)	Vapor Pressure mm Hg @ Temp	Occupational Exposure Limits
1	Hydrous Magnesium Silicate	14807-96-6	10-15	NA	ACGIH TLV 2 mg/m3 Respirable Dust
2	Calcium Strontium Phosphosilicate	66402-68-4	8-12	NA	ACGIH TLV 5 mg/m3 Respirable Dust 10 mg/m3 Total Dust
3	Titanium Dioxide	13463-67-7	5-10	NA	ACGIH 10 mg/m3 Total Dust, 8 hr. TWA
4	Aqua Ammonia	7664-41-7	0 – 5	720.00 @ 80°F	ACGIH TWA 25 ppm
5	Butyl Benzyl Phthalate	85-68-7	0 – 5	.000008 @ 68°F	None established
6	Hydrated Aluminum-Magnesium Silicate	8031-18-3	0 – 5	NA	None established
7	Alkylaryl Polyether	60864-33-7	0 – 5	NA	None established
8	Petroleum Based Defoamer	Trade Secret	0 – 5	NA	PEL 5 mg/m3 TWA

Proposition 65 Statement: Certain raw materials used in making this product may contain small amounts of materials as impurities which are regulated by Propostion 65.

4. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Semi viscous liquid
State	Liquid
Odor Characteristic	Mild ammonia odor
Vapor Density (Air = 1)	Heavier than air
Vapor Pressure	No data
Specific Gravity (H_2O = 1)	1.25
Boiling Point	250°F
Solubility in Water	Non-Soluble
VOC	0.4 lbs/gal. 48 grams/liter
Evaporation Rate	Slower than ether

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

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point	340° PMCC
Flammable Limits in Air by Volume	Lower: 16.000 Upper: 25.000

Extinguishing agents: Foam, CO_2, Dry Chemical

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

Unusual Fire and Explosion Hazards: Pressure may build up in tightly closed containers exposed to fire which may result in rupture. Keep containers cooled with water spray. Vapors may travel a considerable distance to a source of ignition or may collect in a low area. Sources of ignition include pilot lights, electrical motors, cigarettes, etc.

6. REACTIVITY DATA

Instability: Information not available. Conditions to avoid: Keep from heat or flame, poor ventilation and corrosive atmospheres.

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: Alkaline materials, strong acids and oxidizing materials

7. HEALTH HAZARD DATA

Primary Routes of Exposure: Inhalation - Skin Contact - Eye Contact

Inhalation – Excessive inhalation of vapors or mist can cause nausea, headache, and irritation to the nose, throat, and lungs.

Eye Contact - Material can cause the following: -slightly irritating to the eyes

Skin Contact - Prolonged or repeated skin contact can cause the following: -moderate skin irritation – reddening

Ingestion - Material is harmful if swallowed. Material can cause the following:-gastrointestinal irritation – nausea – vomiting – diarrhea

Medical Conditions Generally Aggravated by Exposure - High vapor concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the repiratory tract, may cause headache and dizziness, are anesthetic, and may have other central nervous system effects.

8. FIRST AID MEASURES

Inhalation - Move subject to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Get prompt medical attention.

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. Wash contaminated clothing thoroughly before reuse. If redness, itching or a burning sensation develops, see a physician.

Ingestion - DO NOT induce vomiting. Immediately give 1 or 2 glasses of milk or water to drink and call a physician, hospital emergency room, or poison control center. If vomiting occurs spontaneously, keep airway clear. Careful gastric lavage may be indicated. Get medical attention at once.

Note to Physician - No specific antidote, treat symptomatically.

9. ACCIDENTAL RELEASE MEASURES

Personal Protection
Wear compatible, chemically resistant gloves. Wear protective clothing including splash proof goggles and rubber overshoes.

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. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. Advise authorities if product has entered or may enter sewers or waterways.

10. 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: Use in well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames. Do not work alone! Keep out of reach of children!

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

11. EXPOSURE CONTROLS – PERSONAL PROTECTION

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 or 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 to avoid prolonged or repeated contact with skin.

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.

Work – Hygienic Practices: Remove contaminated clothing; launder or dry clean before reuse. Wash thoroughly with soap and water.

12. DISPOSAL CONSIDERATIONS

Procedure: Dispose of in accordance with all local, state, and federal regulations.

13. TRANSPORT INFORMATION

US DOT Hazard Class	Paint, Not Regulated

14. OTHER INFORMATION

Category	HMIS – #113	Scale
Toxicity	1	4=Extreme
Fire	1	3=High
Reactivity	0	2=Moderate
Special	-	1=Slight
		0=Insignificant

Prepared by: Palmer Asphalt Company – Technical Department

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. 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 MSDS is correct, applicable, and suitable to their circumstances. As these are proprietary formulations, the actual percentages of ingredients have been omitted pursuant to OSHA Federal Hazard Communication Standard.

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