

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

**Product ID:** 10481Z  
**Product Name:** BRAKE CALIPER-DRUM PAINT RED  
**Product Use:** Paint product.  
**Print date:** 26/Mar/2009  
**Revision Date:** 19/Mar/2009

**Distributed By:** The Easthill Group  
dba/ The Eastwood Company  
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## 2. HAZARDS IDENTIFICATION

### Primary Routes of Exposure:

Inhalation  
Ingestion  
Skin absorption

### Eye Contact:

- Severe eye irritation

### Skin Contact:

- Causes skin irritation.
- May cause defatting of the skin.
- Dermatitis
- Can be absorbed through skin.

### Ingestion:

- Irritation of the mouth, throat, and stomach.
- Aspiration hazard if swallowed - can enter lungs and cause damage.

### Inhalation:

- Causes respiratory tract irritation.
- Harmful by inhalation.
- Asphyxia

### Acute Other Health Effects:

- Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
- May cause frostbite

**Target Organ and Other Health Effects:**

- Kidney injury may occur.
- Causes headache, drowsiness or other effects to the central nervous system.
- Cardiac arrhythmias
- Blood disorders
- Liver injury may occur.

**This product contains ingredients that may contribute to the following potential chronic health effects:**

- Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS**

<b>Ingredient Name CAS-No.</b>	<b>Approx. Weight %</b>	<b>Chemical Name</b>
DIMETHYL KETONE- EXEMPT SOLVENT 67-64-1	30 - 35	Acetone
PROPANE 74-98-6	15 - 20	Propane
METHYL ISOBUTYL KETONE 108-10-1	10 - 15	Methylisobutyl ketone
BUTANE 106-97-8	5 - 10	Butane
BUTYL ACETATE 123-86-4	5 - 10	n-Butyl acetate
ETHYL 3- ETHOXYPROPIONATE 763-69-9	1 - 5	Ethyl 3-ethoxypropionate
XYLENE 1330-20-7	1 - 5	Xylenes (o-, m-, p- isomers)
ETHYLBENZENE 100-41-4	.1 - 1	Ethyl benzene

If this section is blank there are no hazardous components per OSHA guidelines.

**4. FIRST AID MEASURES****Eye Contact:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. If medical assistance is not immediately available, flush an additional 15 minutes. Get medical attention immediately.

**Skin Contact:**

Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

**Ingestion:**

Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention immediately.

**Inhalation:**

Move injured person into fresh air and keep person calm under observation. Get medical attention immediately. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Do not give direct mouth-to-mouth resuscitation if inhaled. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.

**Medical conditions aggravated by exposure:**

Any respiratory or skin condition.

**5. FIRE FIGHTING MEASURES**

Flash point (Fahrenheit):	-31°F (-35°C)
Lower explosive limit:	1 %
Upper explosive limit:	13 %
Autoignition temperature:	not determined -°F (°C)
Sensitivity to impact:	no
Sensitivity to static discharge:	Subject to static discharge hazards. Please see bonding and grounding information in Section 7.
Hazardous combustion products:	See Section 10.

**Unusual fire and explosion hazards:**

None known.

**Extinguishing media:**

Carbon dioxide, dry chemical, foam and/or water fog.

**Fire fighting procedures:**

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

**6. ACCIDENTAL RELEASE MEASURES****Action to be taken if material is released or spilled:**

Ventilate the area. Avoid breathing dust or vapor. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, "Handling and Storage", for proper container and storage procedures. Remove all sources of ignition. Soak up with inert absorbent material. Use only non-sparking tools. Avoid contact with eyes.

**7. HANDLING AND STORAGE****Precautions to be taken in handling and storage:**

Keep away from heat, sparks and open flame. - No smoking. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

**8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS****Personal Protective Equipment****Eye and face protection:**

Chemical goggles, also wear a face shield if splashing hazard exists.

**Skin protection:**

Appropriate chemical resistant gloves should be worn.

#### Other Personnel Protection Data:

To prevent skin contact wear protective clothing covering all exposed areas.

#### Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

#### Ventilation

Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment.

#### Exposure Guidelines

##### OSHA Permissible Exposure Limits (PEL's)

Ingredient Name CAS-No.	Approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
DIMETHYL KETONE- EXEMPT SOLVENT 67-64-1	30 - 35	2400 mg/m <sup>3</sup> 1000 ppm		
PROPANE 74-98-6	15 - 20	1800 mg/m <sup>3</sup> 1000 ppm		
METHYL ISOBUTYL KETONE 108-10-1	10 - 15	410 mg/m <sup>3</sup> 100 ppm		
BUTYL ACETATE 123-86-4	5 - 10	710 mg/m <sup>3</sup> 150 ppm		
XYLENE 1330-20-7	1 - 5	435 mg/m <sup>3</sup> 100 ppm		
ETHYLBENZENE 100-41-4	.1 - 1	435 mg/m <sup>3</sup> 100 ppm		

##### ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
DIMETHYL KETONE- EXEMPT SOLVENT 67-64-1	30 - 35	500 ppm	750 ppm		
PROPANE 74-98-6	15 - 20	1000 ppm			
METHYL ISOBUTYL KETONE 108-10-1	10 - 15	50 ppm	75 ppm		
BUTANE 106-97-8	5 - 10	1000 ppm			
BUTYL ACETATE 123-86-4	5 - 10	150 ppm	200 ppm		
XYLENE 1330-20-7	1 - 5	100 ppm	150 ppm		
ETHYLBENZENE 100-41-4	.1 - 1	100 ppm	125 ppm		

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	Aerosol
pH:	not determined
Vapor pressure:	NOT DETERMINED mmHg @ 68°F (20°C)
Vapor density (air = 1.0):	5.0
Boiling point:	not determined
Solubility in water:	not determined
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	6.28
Specific Gravity:	.75
Evaporation rate (butyl acetate = 1.0):	5.6
Flash point (Fahrenheit):	-31°F (-35°C)
Lower explosive limit:	1 %
Upper explosive limit:	13 %
Autoignition temperature:	not determined -°F (°C)

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat.
Incompatibility:	Strong oxidizing agents
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide.

<b>Sensitivity to static discharge:</b>	Subject to static discharge hazards. Please see bonding and grounding information in Section 7.
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## 11. TOXICOLOGICAL INFORMATION

<b>Ingredient Name CAS-No.</b>	<b>Approx. Weight %</b>	<b>NIOSH - Selected LD50s and LC50s</b>
DIMETHYL KETONE- EXEMPT SOLVENT 67-64-1	30 - 35	Inhalation LC50 Rat : 50100 mg/m <sup>3</sup> /8H Inhalation LC50 Mouse : 44 gm/m <sup>3</sup> /4H Oral LD50 Rat : 5800 mg/kg Oral LD50 Mouse : 3 gm/kg
METHYL ISOBUTYL KETONE 108-10-1	10 - 15	Inhalation LC50 Mouse : 23300 mg/m <sup>3</sup> Oral LD50 Rat : 2080 mg/kg Oral LD50 Mouse : 2671 mg/kg Dermal LD50 Rabbit : >20 mL/kg
BUTANE 106-97-8	5 - 10	Inhalation LC50 Rat : 658 gm/m <sup>3</sup> /4H Inhalation LC50 Mouse : 680 gm/m <sup>3</sup> /2H
BUTYL ACETATE 123-86-4	5 - 10	Inhalation LC50 Rat : 2000 ppm/4H Inhalation LC50 Mouse : 6 gm/m <sup>3</sup> /2H Oral LD50 Rat : 10768 mg/kg Oral LD50 Mouse : 6 gm/kg Dermal LD50 Rabbit : >17600 mg/kg
ETHYL 3- ETHOXYPROPIONATE 763-69-9	1 - 5	Oral LD50 Rat : 5 gm/kg Dermal LD50 Rabbit : 10 mL/kg
XYLENE 1330-20-7	1 - 5	Inhalation LC50 Rat : 5000 ppm/4H Oral LD50 Rat : 4300 mg/kg Dermal LD50 Rabbit : >1700 mg/kg
ETHYLBENZENE 100-41-4	.1 - 1	Oral LD50 Rat : 3500 mg/kg Dermal LD50 Rabbit : 17800 uL/kg

**Mutagens/Teratogens/Carcinogens:**

Contains ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans.

<b>Ingredient Name CAS-No.</b>	<b>Approx. Weight %</b>	<b>California Prop 65 - Reproductive (Female)</b>	<b>California Prop 65 - Carcinogen</b>
ETHYLBENZENE 100-41-4	.1 - 1		Listed: June 11, 2004 Carcinogenic.

<b>Ingredient Name CAS-No.</b>	<b>Approx. Weight %</b>	<b>IARC Group 1 - Human Evidence</b>	<b>IARC Group 2A - Limited Human Data</b>	<b>IARC Group 2B - Sufficient Animal Data</b>
ETHYLBENZENE 100-41-4	.1 - 1			Monograph 77, 2000

<b>Ingredient Name CAS-No.</b>	<b>Approx. Weight %</b>	<b>NTP Known Carcinogens</b>	<b>NTP Suspect Carcinogens</b>	<b>NTP Evidence of Carcinogenicity</b>
ETHYLBENZENE 100-41-4	.1 - 1			male rat-clear evidence; female rat-some evidence; male mice- some evidence; female mice-some evidence

<b>Ingredient Name CAS-No.</b>	<b>Approx. Weight %</b>	<b>OSHA Select Carcinogens</b>	<b>OSHA Possible Select Carcinogens</b>	<b>ACGIH Carcinogens</b>
ETHYLBENZENE 100-41-4	.1 - 1			Group A3 Confirmed animal carcinogen with unknown relevance to humans.

**12. ECOLOGICAL DATA**

No information on ecology is available.

**13. DISPOSAL CONSIDERATIONS**

Disposal should be made in accordance with federal, state and local regulations.

**14. TRANSPORTATION INFORMATION****U.S. Department of Transportation**

Proper Shipping Name: CONSUMER COMMODITY ORM-D  
UN ID Number: CONCOM

**U.S. Highway & Rail Shipments**

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

**Reportable Quantity Description:****International Air Transport Association (IATA):**

Proper Shipping Name: AEROSOLS, FLAMMABLE  
Hazard Class: 2.1  
UN ID Number: UN1950

**International Maritime Organization (IMO):**

Proper Shipping Name: AEROSOLS  
 Hazard Class: 2.1  
 Non-Bulk UN ID Number: UN1950

**15. REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS:**

Ingredient Name CAS-No.	Approx. Weight %	SARA 302	SARA 313	CERCLA RQ in lbs.
DIMETHYL KETONE- EXEMPT SOLVENT 67-64-1	30 - 35			5000
METHYL ISOBUTYL KETONE 108-10-1	10 - 15		form R reporting required for 1.0% de minimis concentration	5000
BUTYL ACETATE 123-86-4	5 - 10			5000
XYLENE 1330-20-7	1 - 5		form R reporting required for 1.0% de minimis concentration	100
ETHYLBENZENE 100-41-4	.1 - 1		form R reporting required for 1.0% de minimis concentration	1000

**SARA 311/312 Hazard Class:**

Acute: yes  
 Chronic: yes  
 Flammability: yes  
 Reactivity: no  
 Sudden Pressure: yes

**U.S. STATE REGULATIONS:****Right to Know:**

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

**Pennsylvania Right To Know:**

XYLENE	1330-20-7
ETHYL 3-ETHOXYPROPIONATE	763-69-9
METHYL ISOBUTYL KETONE	108-10-1
DIMETHYL KETONE- EXEMPT SOLVENT	67-64-1
BUTYL ACETATE	123-86-4
PROPANE	74-98-6
BUTANE	106-97-8

**Additional Non-Hazardous Materials**

PROPRIETARY RESIN

Trade Secret

**California Proposition 65:**

WARNING! This product contains a chemical known in the State of California to cause cancer.

**Rule 66 status of product**

Not photochemically reactive.

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**US TSCA Inventory:**

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

**Canada Domestic Substances List:**

All components of this product are listed on the Domestic Substances List.

**16. OTHER INFORMATION****HMIS Codes**

<b>Health:</b>	2*
<b>Flammability:</b>	4
<b>Reactivity:</b>	1
<b>PPE:</b>	X - See Section 8 for Personal Protective Equipment (PPE).

**Abbreviations:**

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

**Disclaimer:**

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**Preparation Information:**

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