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PERMATEX, INC.

11/17/99

HARTFORD, CT 06106
TELEPHONE: (877) 376-2839

MATERIAL SAFETY DATA SHEET

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Permatex(R) Disc Brake Quiet
80077

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Permatex(R) Disc Brake Quiet
 Item No.: 80077
 Part No.: 127MA
 Product Type: Aerosol conditioner

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
ACETONE	67-64-1	40-45
BUTANE	106-97-8	20-25
XYLENES*	1330-20-7	15-20
Elastomeric copolymer	9010-85-9	5-10
PROPANE	74-98-6	5-10
TOLUENE*	108-88-3	5-10
ETHYL BENZENE*	100-41-4	3-5

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
ACETONE	500 ppm TWA 1188 mg/m ³	750 ppm TWA 1800 mg/m ³	None
BUTANE	800 ppm TWA 1900mg/M3	800 ppm TWA 1900mg/M3	None
XYLENES	100 ppm TWA 434 mg/m ³	100 ppm TWA 435 mg/m ³	None
PROPANE	2500 ppm	1000 ppm 1800 mg/m ³	None
TOLUENE	50 ppm skin 188 mg/M3 skin	100 ppm 375mg/M3	None
ETHYL BENZENE	100 ppm 434 mg/m ³	100 ppm 435 mg/m ³	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
ACETONE	750 ppm 1782 mg/m ³	1000 ppm 2400 mg/m ³	
XYLENES	150 ppm 651 mg/m ³	150 ppm 655 mg/m ³	
PROPANE	Asphyxiant	Asphyxiant	
TOLUENE	None	150 ppm	

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2. COMPOSITION, INFORMATION ON INGREDIENTS (continued)

ETHYL BENZENE	125 ppm	560mg/M3
	543 mg/m3	125 ppm
		545 mg/m3

3. HAZARDS IDENTIFICATION

Toxicity: Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Primary Routes of Entry: Prolonged exposure to solvents ingredients may cause adverse effects to the liver, urinary, and cardiovascular and reproductive systems. Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

Signs and Symptoms of Exposure: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Existing Conditions Aggravated by Exposure: None generally recognized.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
ACETONE	BLO CNS IRR	NO	NO	NO
BUTANE	CAR CNS IRR LUN	NO	NO	NO
XYLENES	CAR CNS IRR KID LIV	NO	NO	NO
Elastomeric copolymer	NTO	NO	NO	NO
PROPANE	CAR CNS IRR	NO	NO	NO
TOLUENE	BEH CAR CNS DEV EAR IRR	NO	NO	NO
ETHYL BENZENE	CNS IRR	NO	NO	NO

Abbreviations

BEH Behavioral
 CAR Cardiac
 BLO Blood
 CNS Central nervous system

DEV Developmental
IRR Irritant

EAR Ear
KID Kidney

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3. HAZARDS IDENTIFICATION

(continued)

LIV Liver
NTO No Target Organs
LUN Lung

4. FIRST AID MEASURES

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Give conscious patient several glasses of water. Seek medical attention.

Inhalation: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

Skin Contact: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

Eye Contact: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: -0øF (Propellant) Method: Tag closed cup
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting
Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat.

Hazardous Products formed
by Fire or Thermal Decomp Irritating organic vapors; oxides of carbon.
Unusual Fire or
Explosion Hazards: Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Explosive Limits:

(% by volume in air)Lower 1.0%
 (% by volume in air)Upper 12.8%

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6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
 of spill or leak:

Remove all sources of ignition. Maintain good ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage:
 Handling:

Keep away from heat, sparks, and open flame. Keep away from heat, sparks or open flame. Vapors will accumulate readily and may ignite explosively. Avoid breathing of vapor and spray mist. Avoid contact with skin and eyes. During use and until all vapors are gone: Keep area ventilated. Do not smoke. Extinguish all flames, pilot lights, and heaters. Turn off stoves, electric tools and appliances, and other sources of ignition. Consult NFPA Code. Use approved bonding and grounding procedures. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Wash hands after using.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Wear safety spectacles with unperforated sideshields.
 Skin: Chemical resistant gloves.
 Ventilation: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
 Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2

See Section 2 for Exposure Limits.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid
Odor:	Solvent
Boiling Point:	Range: Less than 0øF to 292øF.
pH:	Does not apply
Solubility in Water:	Not available
Specific Gravity	0.72 (Base only)
Volatile Organic Compound (EPA Method 24)	53.18; 383 grams per liter of material (Less federally exempt solvents)
Vapor Pressure:	50 psig
Vapor Density:	More than 1 (base only)
Evaporation Rate (Ether = 1)	Faster

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibility:	None
Conditions to Avoid:	None known
Hazardous Decomposition Products (non-thermal):	None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:	Do not incinerate. Depressurize container. Dispose of in accordance with federal, state and and local regulations.
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EPA Hazardous Waste Number	D001 - Hazardous waste per 40CFR 261.21
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14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity

Hazard Class or

Division: ORM-D

Identification Number: None

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14. TRANSPORTATION INFORMATION

(continued)

Marine Pollutant: None
IATA
Proper Shipping Name: Aerosols, flammable
Class or Division: Division 2.1
UN or ID Number: UN 1950

15. REGULATORY INFORMATION

CA Proposition 65: Warning: This product contains a chemical known to
the State of California to cause cancer.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 4
Reactivity Hazard: 0
Specific Hazard: Does not applyEstimated HMIS(R) Code:
Health Hazard: 2*
Flammability Hazard: 4
Reactivity Hazards: 0
Personal Protection: See Section 8.NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.Prepared By: Denise Boyd
Title: Health & Safety Manager
Company: Permatex, Inc. 10 Columbus Blvd. Hartford, CT 06106
(24hr.) Phone: 1-87-Permatex (877-376-2839)
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