



Professional Grade Performance Since 1920

MATERIAL SAFETY DATA SHEET

Howes Lubricator Meaner Power Kleaner

Page 1 of 6

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Howes Lubricator Meaner Power Kleaner

Company Identification: R.B. Howes & Co., Inc.
60 Ocean State Drive
North Kingstown, RI 02852

Emergency Telephone Number: Chemtrec 1-800-424-9300

Section 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>% by Volume</u>
Naphthalene	91-20-3	2.5 - 4
1,2,4 Trimethylbenzene	95-63-6	1.5 - 4.5
Light Aromatic Naphtha	64742-95-6	.20 - .60
1,2,3 Trimethylbenzene	526-73-8	.02 - .06
1,3,5 Trimethylbenzene	108-67-8	.02 - .06
Xylene	1330-20-7	.02 - .06

Section 3. HAZARDS IDENTIFICATION

Emergency Overview

Brown oil-like liquid with distinctive odor. Prolonged or repeated skin contact may cause skin irritation. Ingestion harmful or fatal if not treated. Prolonged exposure to heavy concentrations of fumes may cause irritation to mucus membranes and airway. Respiratory diseases such as asthma and skin conditions such as rashes, cuts or similar skin diseases are generally aggravated by exposure. Combustible. Do not handle near excessive heat, sparks, flame or strong oxidants. Incompatible with (material to avoid) strong oxidants like liquid chlorine or concentrated oxygen. Presents a slipping hazard if spilled.

Primary Routes of Exposure

Eyes, skin, ingestion and inhalation

Potential Health Effects

Eye Contact: Can cause redness and mild irritation.
 Skin Contact: Can cause redness and mild irritation with prolonged contact.
 Ingestion: Can cause cramps and nausea.
 Inhalation: Repeated or prolonged exposure may irritate the respiratory tract.



Professional Grade Performance Since 1920

MATERIAL SAFETY DATA SHEET

Howes Lubricator Meaner Power Kleaner

Page 2 of 6

Section 4. FIRST AID MEASURES

Eye contact:

Flush with water for 15 minutes, or until irritation subsides.

Skin contact:

Wash with soap and water.

Ingestion:

Do not induce vomiting. Water may be given slowly. Contact physician immediately.

Inhalation:

Remove to fresh air.

Additionally:

In all cases, if symptoms persist, contact physician.

Section 5. FIRE FIGHTING MEASURES

Flash point:

153°F / 67.2°C (Rapid Flash Point Closed-Cup, ASTM D3243)

Autoignition temperature:

Data not available.

Upper flammable limit:

Data not available.

Lower flammable limit:

Data not available.

Extinguishing media:

Foam, CO₂, water fog or spray.

Fire fighting equipment:

Recommend wearing self contained breathing apparatus. Avoid breathing vapors or fumes. Cool exposed containers with water spray.

Unusual fire and explosion hazard:

Combustible liquid. May form combustible mixtures at or above the flash point. Empty product containers may contain product residue. Do not pressurize, cut, heat, weld or expose containers to flame or other sources of ignition.



Professional Grade Performance Since 1920

MATERIAL SAFETY DATA SHEET

Howes Lubricator Meaner Power Kleener

Section 6. ACCIDENTAL RELEASE MEASURE

Soak up the spill with oil absorbents. Place residue in suitable, covered, properly labeled container. Dispose in accordance with federal, state and local laws.

Section 7. HANDLING AND STORAGE

Keep away from sources of ignition. Keep container closed when not in use.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits</u>	Light Aromatic Naphtha	Not available
	Naphthalene	OSHA TWA: 10 ppm, 50 mg/m ³ ACGIH TWA: 10 ppm, 52 mg/m ³
	1,2,4 Trimethylbenzene	Not available
	1,3,5 Trimethylbenzene	Not available
	Xylene	OSHA TWA: 100 ppm, 435 mg/m ³ ACGIH TWA: 100 ppm, 434 mg/m ³
	1,2,3 Trimethylbenzene	Not available

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels.

Respiratory Protection:

This material does not have established exposure limits. Wear a positive-pressure air-supplied respirator in situations where there may be potential for airborne exposure.

Skin Protection:

For brief contact, no precautions other than clean body-covering clothing should be needed. Use chemical resistant gloves such as neoprene.

Eye Protection:

Safety glasses with side shield, anti-splash goggles or face shield.

Hygiene Recommendations:

Keep an eyewash kit available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Avoid contact with skin and eyes.



Professional Grade Performance Since 1920

MATERIAL SAFETY DATA SHEET

Howes Lubricator Meaner Power Kleaer

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown
Odor:	Distinctive
Physical State:	Liquid
pH:	Not determined
Vapor Pressure:	<.1mm Hg
Vapor Density:	>1 (air = 1)
Boiling Point:	327°F / 164°C
Freezing Point:	Not determined
Solubility in Water:	Insoluble
Specific Gravity:	<.9 (H2O = 1)

Section 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Excessive heat, sparks, flames or strong oxidants.
Materials to Avoid:	Contact with strong oxidizers like chlorine or concentrated oxygen.
Hazardous Decomposition Products / Byproducts:	Under fire conditions: Carbon oxides (CO, CO2)
Hazardous Polymerization:	Hazardous polymerization will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Light Aromatic Naphtha	ORAL (LD50):	Acute: 2,900 mg/kg (Rat)
Naphthalene	ORAL (LD50):	Acute: 490 mg/kg (Rat)
1,2,4 Trimethylbenzene	ORAL (LD50):	Acute: 5,000 mg/kg (Rat)
1,3,5 Trimethylbenzene	VAPOR (LC50):	Acute: 24,000 mg/m ³ (Rat)
Xylene	ORAL (LD50):	Acute: 4,300 mg/kg (Rat)
1,2,3 Trimethylbenzene	Not available	

Section 12. ECOLOGICAL INFORMATION

No ecotoxicological studies have been conducted on this product.



Professional Grade Performance Since 1920.

MATERIAL SAFETY DATA SHEET

Howes Lubricator Meaner Power Kleener

Page 5 of 6

Section 13. DISPOSAL CONSIDERATIONS

Waste management should be in compliance with federal, state and local laws.

Section 14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties and mode of transportation. Typical Proper Shipping Names for this product are:

Proper Shipping Name:	Petroleum distillates, n.o.s.
UN Identification Number:	UN1268
Hazard Class - Primary:	3
Packing Group:	III
Flash Point:	153°F / 67.2°C

Section 15. REGULATORY INFORMATION

U.S. Regulations:

Clean Air Act (CAA) 112(r) Accidental Release Prevention Substances: Naphthalene.

Clean Water Act (CWA) 307 Priority Pollutants: Naphthalene.

Clean Water Act (CWA) 311 Hazardous Substances: Naphthalene, Xylene.

CERCLA 302 Hazardous Substances: Naphthalene RQ 100 lbs., Xylene RQ 100 lbs.

Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986: (Known to cause cancer) Naphthalene.

SARA 302/304 Emergency Planning and Notification Substances: No products were found.

SARA 313 Toxic Chemical Notification: Naphthalene, 1,2,4 Trimethylbenzene, Xylene.

TSCA Inventory Status: All components are included or are exempted from listing on the US Toxic Substances Control Act Inventory.



Professional Grade Performance Since 1920

MATERIAL SAFETY DATA SHEET

Howes Lubricator Meaner Power Kleaner

Page 6 of 6

Section 16. OTHER INFORMATION

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health	1
Flammability	2
Reactivity	0
Personal Protection	B

MSDS PREPARATION

Prepared By: Quality Control Department
Date: January 2009

The recommendations and data presented herein are based on sources considered to be reliable. Any use inconsistent with our recommendations may affect the risk characterization. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of this information or the use of the product. R.B. Howes & Co., Inc. expressly disclaims all liability for loss or damage, including consequential loss, or injury to persons (including death) arising directly or indirectly from reliance upon the information or use of the material.