

Lion Oil Company  
1000 McHenry Street  
El Dorado Ar 71730  
INTERNATIONAL B-523

Product: R-17-A-73 CUTBACK  
ASPHALT  
Internal ID: C.8a

MSDS No: LION / L00047  
Revision: 10  
Date: April 8, 1998

Nation Paint  
and Coatings Association

**HEALTH HAZARD 2 - Moderate**

Hazardous Material  
Identification  
System

**FLAMMABILITY HAZARD 4 - Severe**

**REACTIVITY HAZARD 0 - Minimal**

**PERSONAL PROTECTION SEE SECTION 8**

### Section I . MATERIAL IDENTIFICATION

Trade/Material Name: R-17-a-73 CUTBACK ASPHALT

Description: Black liquid. Hydrocarbon solvent odor.

Other Designations: Air Blown Asphalt Cutback

CAS: Mixture

Chemical Name: Petroleum Hydrocarbon

Manufacturer: Lion Oil Company  
1000 McHenry Street  
El Dorado AR. 71730

Phone: 870-862-8111

" FOR CHEMICAL EMERGENCY "  
Spill, Leak, Fire, Exposure  
or Accident  
Call CHEMTREC - Day or Night  
800-424-9300

### SECTION II. IGREDIENTS AND HAZARDS

Ingredient Name: Limits:	CAS Number:	Percent:	Exposure
Asphalt, Oxidized	64742-93-4	50-60	PEL 5mg//m3; TLV 5 mg/m3
240/315 b.r. naphtha (solvent) TLV 100 ppm	64742-89-8	40-50	PEL 500ppm;
Including: Benzene, Dimethyl (Xylene - mixed Isomers)	1330-20-7	3-5	TLV 100 ppm

### SECTION III. PHYSICAL DATA

Appearance & Odor: Black liquid. Hydrocarbon solvent odor.

Boiling point: 240-315°F

Evaporation rate: (Butyl  
Acetate = 1)

Vapor pressure: 42mmHg @ 100°F

0.16

Water solubility (%): Negligible

Vapor density ( air = 1): 4+

Specific gravity (H2O=1: 0.893  
% volatile by volume: 51

Lion Oil Company  
1000 McHenry Street  
El Dorado Ar 71730  
INTERNATIONAL B-523

Product: R-17-A-73 CUTBACK  
ASPHALT  
Internal ID: C.8a

MSDS No: LION / L00047  
Revision: 10  
Date: April 8, 1998

#### Section IV Fire and Explosion Data

Flash Point (method): 65°F (TOC)  
UEL %: 5.0

Limits: LEL %: 1.1

Extinguishing Media: Extinguish with dry chemical, CO2, foam, and water fog. Solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water. Apply water from as great a distance as possible. Water or foam may cause frothing. Keep run off water out of sewers and water sources. Minimize breathing of gases, vapor, fumes, or decomposition products. Use self-contained breathing apparatus for enclosed or confined spaces or as otherwise needed.

Unusual fire or explosion hazards: Flammable - Do not store near strong oxidants or open flame. Smoke from fire may be hazardous.

Special fire-fighting procedures: Use air supplied rescue equipment. Cool exposed containers with water.

#### SECTION V. REACTIVITY DATA

Material is stable Hazardous polymerization will not occur

Chemical incompatibilities: Do not store near strong oxidants.

Conditions to avoid: Do not store near open flames.

Hazardous decomposition Products: Under fire conditions - May form toxic materials; carbon dioxide and monoxide, oxides of sulfur, H2S, and other decomposition products, in the case of incomplete combustion.

#### SECTION VI. HEALTH HAZARD INFORMATION

Summary of risks: This product is an irritant, a skin hazard, an eye hazard, and a toxic agent.

Target organs: Blood, Nervous System, Lungs, Kidneys

Signs & symptoms of overexposure:

Eye contact: Irritation

Skin contact: Irritation and Dermatitis

Inhalation: Irritation, dizziness, headaches, and nausea

First aid:

Eye contact: Flush with water. CONTACT PHYSICIAN.

Skin contact: Wash with soap and water

Inhalation: Move to fresh air. Use artificial respiration if necessary. CONTACT PHYSICIAN.

#### SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill / Leak procedures: Shut off sources of ignition. Shut off leak, if possible without risk. Take up with sand or other non-combustible, absorbent material.

Waste management / Disposal: Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed of.

Lion Oil Company  
1000 McHenry Street  
El Dorado Ar 71730  
INTERNATIONAL B-523

Product: R-17-A-73 CUTBACK  
ASPHALT  
Internal ID: C.8a

MSDS No: LION / L00047  
Revision: 10  
Date: April 8, 1998

### SECTION VIII. SPECIAL PROTECTION INFORMATION

Personal protection equipment:

Goggles: Chemical - type goggles or face shield

Gloves: Use chemical resistant gloves to avoid prolonged or repeated skin contact.

Respirator: Self - contained, positive-pressure breathing apparatus when used in confined or enclosed space or when exposure limits are exceeded or hydrogen sulfide is unknown or exceeds 20 ppm. Organic vapor respirators can be used with good ventilation when organic vapors are less than 1000 ppm or ten (10) times permissible exposure limit, which ever is less.

Other: None

Workplace considerations:

Ventilation: General mechanical with local exhaust; sufficient to maintain exposure levels below recommended TLV.

### SECTION IX. SPECIAL PRECAUTIONS

Storage segregation: Do not store near strong oxidants and avoid water contamination.

Special handling / storage: Stay up wind to avoid vapors. Do not store near open flames.

Other precautions: While OSHA does not require labeling of this product, good hygiene should be practiced when handling any petroleum product. The International Agency for Research on Cancer (IARC) states that there is inadequate evidence that petroleum bitumens alone are carcinogenic to humans. However, it states that extracts of steam-refined petroleum bitumens, air-refined petroleum bitumens, and pooled mixtures of steam and air-refined petroleum bitumens have caused tumors in experimental animals (mice) when painted on the animals frequently over long periods of time.

Prepared/revised by: Bobby Lee, Chief Chemist  
April 8, 1998