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Reader

Interoffice Communication

To Distribution
From Tom Grumbles
Date November 9, 1981
Subject MSDS FOR LIGHT AROMATIC DISTILLATE

Enclosed is a draft MSDS for LAD. Please review the appropriate sections as indicated by the distribution below, and return any comments or additions to me by December 1.

Tom / mg

Thomas G. Grumbles

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Enclosure

Distribution:

Sid Pitts - Fire and Explosion Data
Dr. Drumwright - Medical and First Aid
Susan Litzau - Legal Aspects
Michele Malloy - Legal Aspects
Larry Hubbard - Transportation and Storage
Bill Groves - Hazard Class Information, Handling and Storage Materials
and Coatings
Chuck Muth - Hazardous Ingredients, Physical Data

D R A F T



Conoco Chemicals
5 Greenway Plaza East
P.O. Box 2197
Houston, Texas 77001

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION	
MANUFACTURER'S NAME	Conoco Chemicals Company
REGULAR TELEPHONE NO.	318/491-5403
EMERGENCY TELEPHONE NO.	318/491-5070
ADDRESS	P.O. Box 727, Westlake, LA 70669
TRADE NAME	Light Aromatic Distillate
SYNONYMS	

II. HAZARDOUS INGREDIENTS		
MATERIAL OR COMPONENT	%	HAZARD DATA
Benzene	40-50	
Dicyclopentadienes	20-30	

III. PHYSICAL DATA			
BOILING POINT (°F.)	120-350	SPECIFIC GRAVITY (H ₂ O = 1)	0.86
VAPOR PRESSURE	5.4 psi	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	Negligible	MELTING POINT	
APPEARANCE AND ODOR	Clean, yellowish liquid		

IV. FIRE AND EXPLOSION DATA				
FLASH POINT (TEST METHOD)	less than 60°F		AUTOIGNITION TEMPERATURE	
FLAMMABLE LIMITS IN AIR, % BY VOL.	LOWER		UPPER	
EXTINGUISHING MEDIA	Water spray; carbon dioxide; foam; dry chemical. VEV-274093			
SPECIAL FIRE FIGHTING PROCEDURES	Shut off source of fuel. Cool exposed tanks with water spray. Self-contained breathing apparatus should be worn when fighting fires.			
UNUSUAL FIRE AND EXPLOSION HAZARD	When heated this material can release sufficient vapor to form explosive vapors.			

FIRST AID

- EYES:** Flush with large amounts of water for at least 15 minutes. Seek medical aid.
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- SKIN:** Wash skin thoroughly with non-abrasive soap and water. If irritation persists, seek medical aid.
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- INHALATION:** Remove victim to fresh air. If breathing has stopped administer artificial respiration or oxygen and cardio-pulmonary resuscitation if necessary. Seek medical aid.
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- INGESTION:** Do Not Induce Vomiting. If possible administer gastric lavage. Avoid aspiration. Seek medical aid.

NATURE OF HAZARD

- EYES:** Vapors or liquid are irritating to the eyes.
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- SKIN:** Repeated or prolonged skin contact may cause defatting and lead to dermatitis. Percutaneous absorption may occur.
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- INHALATION:** Irritation to nose and upper respiratory tract. May cause CNS depression and reversible effects on liver and kidneys.
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- INGESTION:** Systemic effects may occur.
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- EFFECTS OF OVEREXPOSURE:**
- ACUTE OVEREXPOSURE:** Dizziness, nausea; vomiting; anesthesia leading to unconsciousness and coma.
- CHRONIC OVEREXPOSURE:** Unknown. Contains benzene which is a suspect leukemogen.

THRESHOLD LIMIT VALUE (TLV)

None established. Based on the benzene content a value of 10 ppm for an eight hour TWA is recommended.

TOXICITY DATA

SKIN CONTACT: No specific data available.

EYE CONTACT: No specific data available

INHALATION: No specific data available

INGESTION: No specific data available

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SPECIAL PRECAUTIONS: AVOID INHALATION AND REPEATED SKIN CONTACT.

VI**REACTIVITY DATA****CONDITIONS CONTRIBUTING TO INSTABILITY**

High temperatures

INCOMPATIBILITY

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTSCO, CO₂**CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION****VII****SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Evacuate the area and remove all sources of ignition. Avoid inhalation of vapors. Increase ventilation if spilled in an enclosed areas. Vacuum large amounts. Smaller amounts may be absorbed and picked up mechanically.

NEUTRALIZING CHEMICALS**WASTE DISPOSAL METHOD**

Must be disposed in an approved landfill or incinerated in accordance with local, state, or federal regulations.

VIII**SPECIAL PROTECTION INFORMATION****VENTILATION REQUIREMENTS**

Mechanical ventilation when in use. Local exhaust wherever possible.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT**RESPIRATORY (SPECIFY IN DETAIL):**

Organic vapor air purifying cartridge respirator or air supplied equipment dependent on concentration.

EYE: Chemical goggles and face shield.

GLOVES: Butyl rubber or other impervious material when handling liquid.

OTHER CLOTHING AND EQUIPMENT:

Other impervious clothing as needed to avoid skin contact.

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IX SPECIAL PRECAUTIONS	
HAZARD CLASSIFICATION INFORMATION	
IMCO HAZARD CLASS AND NUMBER 3.1	US DOT CLASSIFICATION Flammable liquid
UN NUMBER 1993	EEC DANGEROUS SUBSTANCE CLASSIFICATION
ADR CLASS NUMBER	EEC SPECIAL RISKS AND SAFETY ADVICE
CAS NUMBER 64742-83-2	
TRANSPORTATION AND STORAGE	
USUAL SHIPPING CONTAINERS	ELECTROSTATIC ACCUMULATION HAZARD
	STORAGE/TRANSPORT PRESSURE
STORAGE TRANSPORT TEMPERATURE	LOADING/UNLOADING TEMPERATURE
	VISCOSITY AT LOADING/UNLOADING TEMPERATURE
HANDLING AND STORAGE MATERIALS AND COATINGS	
SUITABLE	UNSUITABLE
Steel	

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