CONOCO

J. - R.F

Interoffice Communication

To John Friend

From Tom Grumbles

Date October 29, 1981

Subject INDUSTRIAL HYGIENE AUDIT

This letter is to confirm the subject audit for November 10, 11 and 12 at the Aberdeen Plant. The audit team will be composed of myself, Sid Pitts and Louis Legendrè, Corporate Industrial Hygienist, Ponca City. We will be in the plant at 8:30 AM on the 10th for the opening conference and should be able to hold the closing conference before noon on the 12th.

Let me know if you have further questions. We'll see you the morning of the 10th.

Tom

Tom Grumbles

TGG:dem

cc: Al Sather

Reader

Thomas G. Grumbles

conoco

To Chuck Muth
Fenca City

Date 10/23/01

Per our conversation -

I'll put this sheet into the formal review process -

Bennett told me we were not going to sell LAD anymore - only transfer it to the BATCO -

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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. EMERGENCY TELEPHONE NO.	318/491-5403 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	
Dicycle Pentadienes	20-30	

III PHYSICAL DATA

BOILING POINT (°F.)	120-350	SPECIFIC GRAVITY (H_2O = 1)	0.86
VAPOR PRESURE	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.				
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.				

CCR 000001770

HEALTH HAZARD INFORMATION

FIRST AID

EYES: Flush with large amounts of water for at least 15 minutes. Seek medical aid.

SKIN: Wash skin thoroughly with non-abrasive soap and water. If irritation persists, seek medical aid.

INHALATION: Remove victim to fresh air. If breathing has stopped administer artificial respiration or oxygen and cardio-pulmonary resuscitation if necessary. Seek medical aid.

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.

SKIN: Repeated or prolonged skin contact may cause defatting and lead to dermatitis. Percutaneous absorption may occur.

INHALATION: Irritation to nose and upper respiratory tract. May cause CNS depression and reversible effects on liver and kidneys.

INGESTION: Systemic effects may occur.

EFFECTS OF OVEREXPOSURE:

ACUTE OVEREXPOSURE: Dizziness, nausea; vomiting; anesthesia leading to unconciousness 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. Similar materials, with prolonged contact, have caused cancer in experimental animals.

EYE CONTACT: No specific data available

INHALATION: No specific data available

INGESTION: No specific data available

SPECIAL PRECAUTIONS: AVOID INHALATION AND REPEATED SKIN CONTACT.

VI REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY

High temperatures

INCOMPATIBILITY

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO_2

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 ues. 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.

CCR 000001772

OTHER CLOTHING AND EQUIPMENT:

Other impervious clothing as needed to avoid skin contact.

SPECIAL PRECAUTIONS

HAZARD CLASSIFICATION INFORMATION

MCO HAZARD CLASS AND NUMBER 3.1	US DOT CLASSIFICATION . Flammable liquid
JN NUMBER 1993	EEC DANGEROUS SUBSTANCE CLASSIFICATION
ADR CLASS NUMBER	EEC SPECIAL RISKS AND SAFETY ADVICE
CAS NUMBER 64742-83-2	
USUAL SHIPPING CONTAINERS	ELECTROSTATIC ACCUMULATION HAZARD
	STORAGE/TRANSPORT PRESSURE
STORAGE TRANSPORT TEMPERATURE	LOADING/UNLOADING TEMPERATURE
SUITABLE	UNSUITABLE
Steel	

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