1. PRODUCT IDENTIFICATION

MANUFACTURING SITE
Lake Charles LAB Plant

ADDRESS
P.O. Box 606, Houston River Road, Westlake, LA 77669

TRADE NAME
VISTA C_{13} PARAFFIN

SYNONYMS
Tetradecane

CAS NUMBER(S)
629-59-4  C_{13} Tetradecane

TELEPHONE NO.
(713) 508-3491

EMERGENCY TELEPHONE NO.
(318) 494-5142

2. COMPONENTS AND HAZARD CLASSIFICATION

- Nonhazardous as defined by the OSHA Hazard Communication Standard.
- SARA 311/312 Nonhazardous.
- Contains no chemicals subject to SARA 302 or 313 reporting.

3. PHYSICAL DATA

BOILING POINT (°F)
469 - 488

SPECIFIC GRAVITY (H_{2}O=1)
0.768 @ 59°F

VAPOR PRESSURE (mm Hg)
0.09 @ 68°F

MELTING POINT
30°F

SOLUBILITY IN WATER
Negligible

VAPOR DENSITY
6.9

APPEARANCE AND ODOR
Colorless, oily liquid. Hydrocarbon odor.

4. FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)
23°F (PM)

AUTOIGNITION TEMPERATURE
405°F

FLAMMABLE LIMITS IN AIR, % BY VEL.
LOWER 0.5
UPPER 4.7

EXTINGUISHING MEDIA
Water spray, carbon dioxide, dry chemical, or alcohol compatible foam is recommended.

SPECIAL FIRE FIGHTING PROCEDURES
Cool exposed equipment with water spray until well after fire is out. Self-contained breathing apparatus (SCBA) and structural firefighter’s protective clothing will provide limited protection.

UNUSUAL FIRE AND EXPLOSION HAZARD
None expected. NFPA Class III B combustible liquid.
5. HEALTH HAZARD INFORMATION

FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

SKIN: Immediately flush skin with plenty of water. Remove contaminated clothing. Wash affected area with mild soap. Call a physician if irritation occurs.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.

INGESTION: Do not induce vomiting. Seek medical aid.

NATURE OF HAZARD

EYE: Slight irritation may occur.

SKIN: Repeated or prolonged skin contact may result in irritation, reddening of skin, progressing to dermatitis.

INHALATION: Exposure to high concentration of vapors may result in headache and stupor.

INGESTION: Causes irritation of the stomach and intestines, resulting in nausea and vomiting.

EXPOSURE LIMITS:

None established for this specific material. The NIOSH-recommended TWA of 350 mg/m³ for refined petroleum solvents is recommended by Vista. (Source: Criteria Document - Refined Petroleum Solvents, July 1977)

TOXICITY DATA

This product has not been specifically tested. Data for similar products is given below:

EYE CONTACT: Eye Irritation Index (Rabbits): 5.3 (110 maximum)

SKIN CONTACT: Acute Dermal LD₅₀ in Rabbits: >2 g/kg
Skin Irritation Index (Rabbits): 2.3 (8.0 maximum)

INHALATION: LC₅₀ in Rats with four-hour exposure: >8.7 mg/l (nominal)

INGESTION: Acute Oral LD₅₀ in Rats: >39.9 g/kg

SPECIAL PRECAUTIONS: POTENTIAL CONTACT IRRITANT.
VISTA C₈ PARAFFIN

6. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: High temperatures.

INCOMPATIBILITY: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous gases and vapors produced in fire are oxides of carbon.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Stable.

7. SPILL OR LEAK PROCEDURES

Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Dispose of only in accordance with local, state, and federal regulations.

WASTE CLASSIFICATION: If discarded in its purchased form, this product is not a RCRA hazardous waste. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, and mixtures may change the classification.

8. SPECIAL PROTECTION INFORMATION

VENTILATION RECOMMENDATIONS

Air contaminant levels should be controlled below the PEL or TLV for this product (see Section 5 Health Hazard Information). Mechanical ventilation may be necessary if working with this product in enclosed areas.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

EYES: When contact with liquid is possible, use a face shield. Otherwise use safety glasses or goggles.

SKIN: Chemical gloves should be worn to prevent repeated contact. If potential for significant exposure to liquid exists, use full protective clothing and chemical boots.

RESPIRATORY PROTECTION: NIOSH-approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air-supplied respirators dependent on concentration.
9. SHIPPING, TRANSFER AND STORAGE

SHIPPING INFORMATION

This product is not a hazardous material or hazardous substance as defined by the Department of Transportation, nor is it a dangerous good as defined by IATA for air transportation or IMO for marine transport.

TRANSPORTATION AND STORAGE

ELECTROSTATIC ACCUMULATION HAZARD: Yes - Ground all Equipment

USUAL SHIPPING CONTAINERS:

STORAGE/TRANSPORT TEMPERATURE:

STORAGE/TRANSPORT PRESSURE:

LOADING/UNLOADING TEMPERATURE:

VISCOSITY:

Ambient

Ambient

Ambient

2.1 cSt @ 100°F

HANDLING AND STORAGE MATERIALS AND COATINGS

SUITABLE: Carbon Steel

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Lab Dog