

CONDEA Vista Company  
 900 Threadneedle  
 Houston, Texas 77079-2990  
 (713) 588-3000



00000062  
 ILRC# 00000062  
 C-14 Normal Paraffin



VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED

MSDS CODE: C14C16HYDRO  
 REVISION: 01/96

(Experimental)

REVISION DATE: 09/26/96  
 PRINT DATE: 09/26/96

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED  
 SYNONYMS: Mixture of Tetradecane, Pentadecane and Hexadecane

MANUFACTURER: CONDEA Vista Company  
 ADDRESS: 900 Threadneedle  
 Houston, TX 77079

TELEPHONE NUMBERS: CHEMTREC - Transportation Emergency (24-hr) (800) 424-9300  
 Other Emergencies (24-hrs) (318) 494-5142  
 MSDS and Product Information (8:00am-4:30pm CST) (713) 588-3491  
 Health and Safety Information (7:30am-5:00pm CST) (318) 494-5736

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Weight%
C <sub>14</sub> -C <sub>16</sub> Paraffins, Hydrogenated	90622-46-1	100

See Section 8 for Exposure Guidelines and Section 15 for OSHA Classification

3. HAZARDS IDENTIFICATION

Emergency Overview

Water white, oily liquid. Mild hydrocarbon odor.

HEALTH HAZARD: In high concentrations, vapors may cause irritation of eyes, nose, and throat, dizziness and headache.

Potential Health Effects

EYES:

Irritation may occur with exposure to concentrated vapors or contact with product.



CONDEA Vista Company  
900 Threadneedle  
Houston, Texas 77079-2990  
(713) 500-3000



## VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED

MSDS CODE: C14C16HYDRO  
REVISION: 01/96

(Experimental)

REVISION DATE: 09/26/98  
PRINT DATE: 09/26/98

### SKIN:

Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.

### INHALATION:

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

### INGESTION:

Lung exposure to this product either by prolonged breathing of a mist of this product or vomiting following ingestion of this product can lead to serious lung injury and possibly death.

(See Section 11 for Toxicological Information)

## 4. FIRST AID MEASURES

### 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 advice.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

#### FLASH POINT / METHOD:

250°F (121°C) / PM

#### AUTOIGNITION TEMPERATURE:

420°F (216°C)



**CONDEA Vista Company**  
 000 Threadneedle  
 Houston, Texas 77079 2000  
 (713) 588-3000



**VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED**

MSDS CODE: C14C16HYDRO (Experimental) REVISION DATE: 09/26/96  
 REVISION: 01/96 PRINT DATE: 09/26/96

**FLAMMABLE LIMITS IN AIR % BY VOLUME:**  
 LOWER: 0.5  
 UPPER: 7.0

**FIRE AND EXPLOSION HAZARD:**  
 None expected.

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

**FIRE FIGHTING INSTRUCTIONS:**  
 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.

**6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:**  
 Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Material may be picked up with solid sorbent. Dispose of only in accordance with local, state, and federal regulations.

**CERCLA HAZARDOUS SUBSTANCE:**

<u>Component</u>	<u>CERCLA RQ</u>	<u>Maximum Wt. %</u>
------------------	------------------	----------------------

Contains no chemicals on the CERCLA Hazardous Substance List.

**7. HANDLING AND STORAGE**

**ELECTROSTATIC ACCUMMULATION HAZARD:**  
 Yes - ground all equipment.

**USUAL SHIPPING CONTAINERS:**  
 Tank cars, tank trucks.

**STORAGE / TRANSPORT TEMPERATURE:**  
 Ambient. (Product will freeze at 47°F (8°C))

**STORAGE / TRANSPORT PRESSURE:**  
 Ambient (Product will freeze at 47°F (8°C))



**CONDEA Vista Company**  
 900 Threadneedle  
 Houston, Texas 77079-2990  
 (713) 588-3000



**VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED**

MSDS CODE: C14C16HYDRO  
 REVISION: 01/96

(Experimental)

REVISION DATE: 09/26/96  
 PRINT DATE: 09/26/96

**LOAD / UNLOAD TEMPERATURE:**

Ambient, above freezing point. (Product will freeze at 47°F (8°C))

**STORAGE AND HANDLING MATERIALS:**

Carbon steel is suitable.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering Controls

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines of this section). Mechanical ventilation may be necessary if working with this product in enclosed areas and at elevated temperatures.

Personal Protective Equipment

**EYES:**

When contact with liquid is possible, use a face shield and chemical goggles. 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.

Exposure Guidelines:

No exposure limit has been set for exposure to vapors of this product. However, Vista recommends the ACGIH/OSHA/NIOSH - recommended limit of 5 mg/m<sup>3</sup> (8-hour TWA) for exposure to mists of this product.

<u>Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
------------------	-----------------	------------------

None established.

PEL = Permissible Exposure Limits  
 TLV = Threshold Limit Value

TWA = Time Weighted Average (8 hr.)  
 STEL = Short Term Exposure Limit (15 min.)



CONDEA Vista Company  
900 Threadneedle  
Houston, Texas 77070-2900  
(713) 580-3000



## VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED

MSDS CODE: C14C16HYDRO  
REVISION: 01/96

(Experimental)

REVISION DATE: 09/26/96  
PRINT DATE: 09/26/96

### Carcinogenicity

No carcinogenic ingredients.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE:

Water white, oily liquid.

### ODOR:

Mild hydrocarbon odor.

### VAPOR PRESSURE (mm Hg.):

0.05 @ 68°F (20°C)

### VAPOR DENSITY (Air = 1):

7 - 8

### SOLUBILITY IN WATER:

Negligible

### VISCOSITY:

2.5 - 2.7 cSt @ 104°F (40°C)

### PHYSICAL STATE:

Liquid.

### BOILING POINT:

490 - 542°F (254 - 283°C)

### MELTING POINT:

48 - 50°F (8 - 10°C)

### SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

0.773 @ 60°F/60°F (16°C/16°C)

## 10. STABILITY AND REACTIVITY

### CONDITIONS TO AVOID:

High temperatures.

### INCOMPATIBILITY WITH OTHER MATERIALS:

Strong oxidizers.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous gases and vapors produced in fire are oxides of carbon.

### HAZARDOUS POLYMERIZATION:

Stable.

## 11. TOXICOLOGICAL INFORMATION

### EYES:

Primary Eye Irritation Index (Rabbits): 5.7 for nonwashed eyes after 1 hour, 6 for washed eyes after 1 hour. (Maximum score is 110.)



CONDEA Vista Company  
900 Threadneedle  
Houston, Texas 77079-2990  
(713) 588-3000



## VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED

MSDS CODE: C14C16HYDRO  
REVISION: 01/96

(Experimental)

REVISION DATE: 09/26/96  
PRINT DATE: 09/26/96

### SKIN:

Acute Dermal LD<sub>50</sub> (Rabbits): >2 g/kg  
Primary Skin Irritation Index (Rabbits): 4.4 (Maximum score is 8.0.)

### INHALATION:

LC<sub>50</sub> (Rats): >5.8 mg/l (nominal) with four-hour exposure.

### INGESTION:

Acute Oral LD<sub>50</sub> (Rat): >5 g/kg.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION:

Not available.

### CHEMICAL FATE INFORMATION:

Not available.

## 13. DISPOSAL CONSIDERATIONS

### SPECIAL INSTRUCTIONS:

Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Material may be picked up with solid sorbent. 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.

### EMPTY CONTAINERS:

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, 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 reconditioner, or properly disposed of.

(See Section 6 for CERCLA Reporting Requirements)



**CONDEA Vista Company**  
 900 Threadneedle  
 Houston, Texas 77070-2990  
 (713) 589-3000



**VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED**

MSDS CODE: C14C16HYDRO (Experimental) REVISION DATE: 09/26/98  
 REVISION: 01/98 PRINT DATE: 09/26/98

**14. TRANSPORT INFORMATION**

**DOT DESCRIPTION:**  
 This product is not a hazardous material according to DOT regulations for ground transportation.

**ICAO / IATA DESCRIPTION:**  
 This product is not a dangerous good as defined by IATA for air transportation.

**IMO DESCRIPTION (IMDG CODE):**  
 This product is not a dangerous good as defined by IMO in the IMDG Code for water transportation.

**15. REGULATORY INFORMATION**

U.S. Federal Regulations

**OSHA HAZARD COMMUNICATION STANDARD CLASSIFICATION:**  
 Nonhazardous as defined by the OSHA Hazard Communication Standard.

**TSCA INVENTORY LISTING:**

<u>Component</u>	<u>CAS Number</u>
Alkanes (C <sub>14</sub> -C <sub>16</sub> )	90622-46-1

**SARA 302 STATUS:**

<u>Component</u>	<u>CAS Number</u>	<u>Maximum Wt. %</u>
------------------	-------------------	----------------------

Contains no chemicals subject to SARA 302 reporting.

**SARA 311/312 CLASSIFICATION:**

Nonhazardous according to SARA 311/312.

**SARA 313 CHEMICALS:**

<u>Component</u>	<u>CAS Number</u>	<u>Maximum Wt. %</u>
------------------	-------------------	----------------------

Contains no chemicals subject to SARA 313 reporting.

(See Section 6 for CERCLA Reporting Requirements.)



CONDEA Vista Company  
900 Threadneedle  
Houston, Texas 77070-2990  
(713) 588-3000



VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED

MSDS CODE: C14C16HYDRO  
REVISION: 01/96

(Experimental)

REVISION DATE: 09/26/96  
PRINT DATE: 09/26/96

International Regulations

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASSIFICATION:  
This material is not a controlled product as defined by Canada's Workplace Hazardous Materials Information System (WHMIS).

CANADIAN DOMESTIC SUBSTANCE LIST (DSL) INVENTORY LISTING:

<u>Chemical Name</u>	<u>CAS Number</u>
C <sub>14</sub> Tetradecane	629-59-4
C <sub>15</sub> Pentadecane	629-62-9
C <sub>16</sub> Hexadecane	544-76-3

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS) LISTING:

<u>Chemical Name</u>	<u>EINECS Number</u>
C <sub>14</sub> Tetradecane	2110960
C <sub>15</sub> Pentadecane	2110981
C <sub>16</sub> Hexadecane	2088789

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) INVENTORY LISTING:

<u>Chemical Name</u>	<u>SECTION STRUCTURE #</u>
Alkane (C <sub>10-29</sub> )	2-10

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) LISTING:

<u>Chemical Name</u>	<u>CAS Number</u>
C <sub>14</sub> Tetradecane	629-59-4
C <sub>15</sub> Pentadecane	629-62-9
C <sub>16</sub> Hexadecane	544-76-3

State Regulations

CALIFORNIA SAFE DRINKING WATER ACT (PROP 65) LISTING:

<u>Component</u>	<u>CAS Number</u>
------------------	-------------------

\*\*No Ingredients listed in this section\*\*

CALIFORNIA AIR RESOURCES BOARD Title 17, Article 2, Section 94510 Consumer Products:  
This product is VOC exempt by 94510 (d)(1) as it has a vapor pressure below 0.1 mm Hg at 20°C.





CONDEA Vista Company  
900 Threadneedle  
Houston, Texas 77079-2900  
(713) 588-3000



VISTA C14-C16 NORMAL PARAFFINS - HYDROGENATED

MSDCODE: C14C16HYDRO  
REVISION: 01/96

(Experimental)

REVISION DATE: 08/26/96  
PRINT DATE: 08/26/96

16. OTHER INFORMATION

<u>Hazard Ratings</u>	<u>NFPA</u>	<u>HMIS</u>
HEALTH:	1	1
FLAMMABILITY:	1	1
REACTIVITY:	0	0

THE DATA AND INFORMATION CONTAINED HEREIN ARE BEING FURNISHED FOR INFORMATIONAL PURPOSES ONLY, UPON THE EXPRESS CONDITION THAT EACH CUSTOMER SHALL MAKE ITS OWN ASSESSMENT OF APPROPRIATE USE AND APPROPRIATE SHIPPING, TRANSFER AND STORAGE MATERIALS AND PROCEDURES FOR CONDEA VISTA COMPANY'S PRODUCTS. ALTHOUGH BASED ON INFORMATION SOURCES WHICH CONDEA VISTA CONSIDERS ACCURATE AND RELIABLE, CONDEA VISTA MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE VALIDITY OF THIS INFORMATION, THE INFORMATION SOURCES UPON WHICH THE SAME ARE BASED, OR THE RESULTS TO BE OBTAINED, AND EXPRESSLY DISCLAIMS LLABILITIES FOR DAMAGES OR INJURIES RESULTING FROM THE USE THEREOF.

PREPARED BY: CONDEA Vista Safety, Health and Environmental Department  
PHONE NUMBER: (713) 588-3491

