



# SAFETY DATA SHEET

<b>SECTION 1.0</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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**Product Identifier**

UNIPAR® NP 1416 AS

**Other means of identification**

Mixture of Tetradecane, Pentadecane and Hexadecane, Linear Paraffin 1416, Normal Paraffin 1416

**Recommended use (identified)**

Industrial use, Lighting, Metal Processing, Oilfield Drilling

**Manufacturer/Importer/Supplier/Distributor Information**

UNISOURCE-ENERGY, LLC  
40 Shuman Blvd, Suite 290  
Naperville, IL 60563

**E-mail**

orders@unisource-energy.com

**Telephone number**

Phone: 630-470-6030 Fax: 630-470-6031

**Emergency telephone number**

UNISOURCE-ENERGY, LLC  
1-800-444-5510

CHEMTREC  
1-800-424-9300

<b>SECTION 2.0</b>	<b>HAZARD(S) IDENTIFICATION</b>
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**GHS Hazards**
**Aspiration hazard**

Category 1

**Label Elements**
**Hazard symbols**

**Signal word**

Danger

**Hazard statements**

May be fatal if swallowed and enters airways.

**Precautionary statements**



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## Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
Do NOT induce vomiting.

## Storage

Store locked up.

## Disposal

Dispose of contents/ container to an approved waste disposal plant.

<b>SECTION 3.0</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
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### CAS number/other identifiers

Ingredient Name	%	CAS number
C14-16 Normal Paraffins	100	90622-46-1

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

<b>SECTION 4.0</b>	<b>FIRST AID MEASURES</b>
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### FIRST AID MEASURES

#### Eye contact

Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.

#### Skin contact

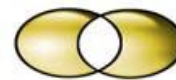
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes

#### Inhalation

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

#### Ingestion

Do NOT induce vomiting. Consult a physician.



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<b>SECTION 5.0</b>	<b>FIRE-FIGHTING MEASURES</b>
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## FLAMMABLE PROPERTIES

### Fire/explosion

NFPA Class IIIB combustible liquid

### Suitable extinguishing media

Water spray or fog, foam, dry chemical, CO<sub>2</sub>

### Special protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus.

### Further information

Keep containers and surroundings cool with water spray.

<b>SECTION 6.0</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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## ACCIDENTAL RELEASE MEASURES

### Methods and materials for containment and cleaning up

Evacuate the area and eliminate all sources of ignition. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

<b>SECTION 7.0</b>	<b>HANDLING AND STORAGE</b>
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## HANDLING AND STORAGE

### Safe handling advice

Ensure all equipment is electrically grounded before beginning transfer operations

### Storage/Transport pressure

Ambient

### Load/Unload temperature

Ambient



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<b>SECTION 8.0</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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## Engineering Measures

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

## Personal Protective Equipment

### Eyes

Wear as appropriate: Goggles, Face-shield

### Skin

Wear suitable protective clothing, gloves and eye/face protection.

### Inhalation

Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

## Exposure Guidelines

Contains no substances with occupational exposure limit values., Our supplier recommends an internal limit of 5 mg/m<sup>3</sup> (8-hour TWA) for exposure to mists of this product.

<b>SECTION 9.0</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance</b>	Liquid
<b>Color</b>	Water white, oily
<b>Form</b>	Liquid
<b>Odor</b>	Hydrocarbons
<b>Odor threshold</b>	No data available
<b>Flash point</b>	118°C, (244°F), PM;
<b>Flammability</b>	
<b>Upper explosion limit</b>	4.7 % (V)
<b>Lower explosion limit</b>	0.5 % (V)
<b>Boiling point/boiling range</b>	248--284 °C, (478—544)°F; ASTM D-86;
<b>Melting point/range</b>	4°C, (39°F); Freeze Point;
<b>Auto-ignition temperature</b>	204°C, (400°F)
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapor pressure</b>	<0.1 mm Hg @ 20°C, (68°F); API Calculation
<b>Vapor density</b>	7.1
<b>Density</b>	0.803 g/cm <sup>3</sup> @ 15.5 °C, (60) °F; ASTM D-287;



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<b>Specific gravity</b>	0.768 @ 16°C (61°F)
<b>Water Solubility</b>	negligible
<b>Viscosity</b>	2.3 – 2.5 cSt @ 40°C, (100°F)
<b>pH</b>	no data available
<b>Evaporation rate</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available

<b>SECTION 10.0</b>	<b>STABILITY AND REACTIVITY</b>
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### Reactivity

Stable at normal ambient temperature and pressure.

### Chemical stability

No decomposition if stored and applied as directed

### Conditions to avoid

Keep away from heat and sources of ignition.

### Materials to avoid

Oxidizing agents

### Hazardous decomposition products

Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.

### Hazardous polymerization

None known.

<b>SECTION 11.0</b>	<b>TOXICOLOGICAL INFORMATION</b>
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### Acute dermal toxicity

LD<sub>50</sub> Rabbit: >2,000 mg/kg

### Acute inhalation toxicity

LC<sub>50</sub> Rat: (4 hours): > 5.8 mg/l

### Acute oral toxicity

LD<sub>50</sub> Rat: > 5,000 mg/kg

### Skin corrosion/irritation

(Rabbit) Repeated exposure may cause skin dryness or cracking

### Eye damage/irritation

Primary irritation (rabbit): 1 hour, 5.7 (Max. score is 110.)  
(unwashed eyes), Not irritating



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## Respiratory or skin sensitization

No data available

## Germ Cell Mutagenicity

### Genotoxicity in vitro:

No data available

### Genotoxicity in vivo:

No data available

### Assessment Mutagenicity:

No data available

## Reproductive toxicity

### Reproductive toxicity

No data available

### Assessment Reproductive toxicity:

No data available

### Teratogenicity:

No data available

### Assessment teratogenicity:

No data available

### Single target organ toxicity - single exposure

No data available

### Single target organ toxicity - repeated exposure

No data available

## Aspiration toxicity

May be fatal if swallowed and enters airways

## Carcinogenicity

### Assessment carcinogenicity

Contains no ingredient listed as a carcinogen

<b>SECTION 12.0</b>	<b>ECOLOGICAL INFORMATION</b>
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## Aquatic toxicity

Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility

## Toxicity to fish

LL<sub>50</sub> (Pimephales promelas (fathead minnow)) 96 hours.

In the range of water solubility, not toxic under test conditions

## Toxicity to aquatic invertebrates

EL<sub>50</sub> (Ceriodaphnia Dubia) (water flea) 192 hours

In the range of water solubility, not toxic under test conditions



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## Toxicity to algae

No data available

## Chronic toxicity to fish

No data available

## Chronic toxicity to aquatic invertebrates

No data available

## Biodegradation

Readily biodegradable.

OECD Test Guideline 301F (28 d): 82 %

Test substance: Sasol Linpar 1417

## Bioaccumulation

No data available

## Mobility in soil

No data available

## SECTION 13.0

## DISPOSAL CONSIDERATIONS

### Waste Code

Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations

### Disposal methods

Dispose of only in accordance with local, state, and federal regulations

### 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, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed

## SECTION 14.0

## TRANSPORT INFORMATION

**DOT**  
**IATA**

Not regulated  
Not regulated



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**IMDG**

Not regulated

Transport in bulk according to Annex II of MARPOL, 73/78 and the IBC code

No data available

## SECTION 15.0

## REGULATORY INFORMATION

### US Federal regulations

#### OSHA Hazards (HCS 1994)

Combustible liquid

#### TSCA Inventory Listing

##### Components

Alkanes, C14-16

##### CAS Number

90622-46-1

#### SARA 302 Status

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

#### SARA 311/312 Classification

Immediate (acute) health hazard

#### SARA 313 Chemical.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

None

### US State Regulations

#### California Prop. 65

None

### International regulations

#### Canada

##### WHMIS hazard composition

No ingredients are hazardous according to the CPR criteria

#### European Union

##### Classification according to Regulation (EU) 1272/2008.

Aspiration hazard, Category 1

Repeated exposure may cause skin dryness or cracking





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## International Inventories

<u>Country or region</u>	<u>Inventory Name</u>	<u>Status</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Listed
Canada	Domestic Substances List (DSL)	Listed
Canada	Non-Domestic Substances List (NDSL)	Not Listed
China	Inventory of Existing Chemical Substances in China (IECSC)	Listed
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Listed
Japan	Industrial Safety & Health Law (ISHL) Inventory	Listed
Korea	Existing Chemicals List (ECL)	Listed
Mexico	National Inventory of Chemical Substances (INSQ)	Not Listed
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Listed
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Listed
Switzerland	Inventory of Notified New Substances (CHINV)	Listed
Taiwan	National Existing Chemical Inventory (NECI)	Listed

**Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.**

<b>SECTION 16.0</b>	<b>OTHER INFORMATION</b>
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## HAZARD RATINGS

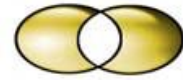
	<b>Health</b>	<b>Flammability</b>	<b>Physical Hazard/Instability</b>
<b>HMIS®</b>	1	1	0
<b>NFPA</b>	1		0



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## Abbreviations

ACGIH = American Conference of Governmental Industrial Hygienists; ADR = European Road Transport; AICS = Australia Inventory of Chemical Substances; ASTM = American society of Testing and Materials; ATE = Acute Toxicity Estimation: AU = Australia; Autoignition Temperature = The minimum temperature required to initiate combustion in air with no other source of ignition, BCF = Bioconcentration Factor; BEI = - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV, BEL = Biological exposure limits; BOD = Biochemical Oxygen Demand; BTEX = Benzene, Toluene, Ethylbenzene, Xylenes; C = Celsius, CA = Canada, CAS = Chemical Abstracts Service; CEFIC = European Chemical Industry Council; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; CLP = Classification Packaging and Labelling Regulation (Regulation (EU) No. 1272/2008; COC = Cleveland Open Cup; CN = China; CPR= Controlled Products Regulations; CWA = Clean Water Act; DEA – Drug Enforcement Administration; DFG = Deutsche Forschungsgemeinschaft; DIN = Deutsches Institut für Normung; DMEL = Derived Minimal Effect Level; DNEL = Derived No Effect Level; DOT = Department of Transportation; DSL = Domestic Substances List (Canada); EC = European Commission; EC50 = Effective Concentration fifty; ECC = European Economic Community; ECETOC = European Center on Ecotoxicology and Toxicology Of Chemicals; ECHA = European Chemicals Agency; EINECS - European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EL50 = Effective Loading fifty; ENCS = Japan Existing and New Chemical Substances; EPA = Environmental Protection Agency; EU = European Union; EUH statement = CLP –specific Hazard statement: EWC = European Waste Code; F = Fahrenheit; Flash Point = Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. GHS = Globally Harmonized System of Classification and Labelling of Chemicals; HAPs = Hazardous Air Pollutants; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IBC = Intermediate Bulk Container; IC50 = Inhibitory Concentration fifty; ICAO = International Civil Aviation Organization; IDL = Ingredient Disclosure List; IDLH = Immediately Dangerous to Life and Health; IL50 = Inhibitory Level fifty; IMDG = International Maritime Dangerous Goods; INSHT = National Institute for Health and Safety at Work; INV = Chinese Chemicals Inventory; IOPC = International Oil Pollution Compensation; IP346 = Institute of Petroleum test method N° 346 for the determination of polycyclic aromatics DMSO-extractables; JP – Japan; , Kow = Octanol/water partition; KECI = Korea Existing Chemicals Inventory, LC<sub>50</sub> = Lethal Concentration (gases) which kills 50% of the exposed animals, LD50 = :Lethal Dose (solids & liquids) which kills 50% of the exposed animals; . LL/EL/IL = Lethal Loading/Effective Loading/Inhibitory loading; LL<sub>50</sub> = Lethal Loading fifty; LEL = The lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.; LogPow = logarithm of the octanol/water partition coefficient; LOLI = List of Lists™ - ChemADVISOR's Regulatory Database; MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution; MAK = Maximum Concentration Value in the Workplace; MEL = Maximum Exposure Limits; mg/m<sup>3</sup> = : Concentration expressed in weight of substance per volume of air, mg/kg = Quantity of material, by weight, administered to a test subject, based on their body weight in kg, NDSL = Non-Domestic Substances List (Canada); NE = Not Established; NFPA = National Fire Protection Association; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NOEC/NOEL = No Observed Effect Concentration / No Observed Effect Level; NTP = National Toxicology Program; NZ = New Zealand; OE\_HP V = Occupational Exposure - High Production Volume; OSHA = U.S. Occupational Safety and Health Administration; PAH = Polycyclic Aromatic Hydrocarbon; PBT = Persistent, Bioaccumulative and Toxic; PEL = Permissible Exposure Limit (OSHA); PH= Philippines; PICCS = Philippines Inventory of Chemicals and Chemical Substances; ppm = Concentration expressed in parts of material per million parts of air or water, PMCC = Pensky Martin Closed Cup; PNEC = Predicted No Effect Concentration; RCRA = Resource Conservation and Recovery; REACH = Registration Evaluation And Authorization Of Chemicals; RID = European Rail Transport; RRN = REACH Registration Number: RQ = Reportable Quantity; RTECS = Registry of Toxic Effects of Chemical Substances®; RTK = Right To Know; SARA = Superfund Amendments and Reauthorization Act; SKIN\_DES = Skin Designation; STEL = Short Term Exposure Limit (15 minutes); SCBA = Self-Contained Breathing Apparatus; SDWA = Safe Drinking Water Act; STOT = Specific Target Organ Toxicity, TDLo, = the lowest dose to cause a symptom, TCLo = the lowest concentration to cause a symptom; TDo, LDLo, and LDo, or TC, TCo, LCLo, and LCo, the lowest dose (or concentration) to cause lethal or toxic effects, TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value (ACGIH); TRA = Targeted Risk Assessment; TSCA = Toxic Substances Control Act ; TWA = Time Weighted Average (8 hours); UEL = The highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.; UN = United Nations; US = United States; UVCB = Unknown, of Variable Composition, or of Biological Origin; vPvB = very Persistent and very Bioaccumulative; WHMIS = Worker Hazardous Materials Information System (Canada)



# SAFETY DATA SHEET

## Disclaimer

The information presented herein has been compiled from sources considered to be dependable and is accurate as of the date of preparation of this Safety Data Sheet. However, Seller does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license. All materials may present unknown hazards and should be used with caution. In addition, no responsibility can be assumed by the Seller for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the material. Seller assumes no responsibility for injury to Buyer or to third persons or any damage to any property. Buyer assumes all such risks.