

SAFETY DATA SHEET

SECTION 1.0	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier

UNINAP® 100 JS

Other means of identification

Distillate, petroleum, naphthenic lubricant, naphthenic process oil, Distillate (Petroleum)
Hydrotreated Heavy Naphthenic

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

SECTION 2.0	HAZARD(S) IDENTIFICATION
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GHS Requirements**Hazard Symbol**

None

Signal word

None

Hazard Statement

This product does not meet the criteria for classification.

OSHA/HCS status**Physical Hazards**

Not classified

Health Hazards

Not classified



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OSHA Defined Hazards

Not classified

Routes of Entry

Eyes, Skin, Ingestion, Inhalation

Potential Health Effects

Eyes

Eye contact may result in irritation and redness. Exposure to high concentrations of vapors may be irritating to the eyes.

Skin

Prolonged and repeated contact can defat the skin, which may result in dryness, dermatitis and cracking of the skin.

Ingestion

Do not ingest. Ingestion may result in nausea or stomach discomfort. If swallowed do not induce vomiting, call a physician.

Inhalation

Fumes may be unpleasant and may produce nausea. Remove the person to fresh air if respiratory discomfort occurs.

Medical Conditions Aggravated by Exposure

Persons with preexisting skin or respiratory disorders may have their conditions aggravated by overexposure to this material.

SECTION 3.0

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name

Distillate (Petroleum) Hydrotreated Heavy Naphthenic

CAS number/other identifiers

Ingredient Name	%	CAS number
Distillate (Petroleum) Hydrotreated Heavy Naphthenic	100	64742-52-5

SECTION 4.0

FIRST AID MEASURES

Description of necessary first aid measures

Eye contact

Avoid contact with eyes. If contact occurs, immediately flush eyes with water for a minimum of 15 minutes. Seek medical attention immediately.

Inhalation



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Not expected to be a problem. However, if respiratory irritation, dizziness, nausea or unconsciousness occurs due to excessive vapor or mist exposure, seek medical attention. If operating conditions create airborne concentrations that exceed the exposure standard, the use of an approved NIOSH/OSHA respirator for organic vapors or air-supplied breathing equipment is recommended

Skin contact

Avoid contact with skin. If contact occurs, wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area

Ingestion

Do not induce vomiting. If ingested, seek medical attention.

SECTION 5.0	FIRE-FIGHTING MEASURES
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Flash Point

330°F Minimum

Suitable Extinguishing media

Foam, water fog, dry chemical, CO²

Special Fire Fighting Procedures

Do not enter confined fire space without proper protective equipment including self-contained breathing apparatus. See Hazardous Decomposition Products.

Hazardous Decomposition Products

Normal combustion forms carbon dioxide and water vapor, and may produce oxides of sulfur and nitrogen. Incomplete combustion can produce carbon monoxide

SECTION 6.0	ACCIDENTAL RELEASE MEASURES
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Personal precautions, protective equipment and emergency procedures

Wear safety glasses, rubber gloves, Tyvek type coveralls and rubber boots.

Accidental Release Measures

In case of spill, clean up using absorbent material such as earth or sand.

RCRA Hazard Class

This product is not a characteristic hazardous waste under RCRA. No EPA waste numbers are applicable for this product's components.



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SECTION 7.0	HANDLING AND STORAGE
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Personal Protection

Wear safety glasses, rubber gloves, Tyvek type coveralls and rubber boots.

Handling and Storage

Avoid fire, sparks or open flame. Wear appropriate personal protective equipment to ensure that this product does not contact the eyes or skin

Ventilation

Use adequate ventilation to keep the airborne concentrations of this material below the established exposure standard.

SECTION 8.0	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Exposure controls

Component	CAL-OSHA PEL- TWA (8 Hour)	ACGIH TLV-TWA (8 Hour)	OTHER LIMITS RECOMMENDED
Distillates (petroleum), Hydrotreated Heavy Naphthenic CAS No. 64742-52-5	5 mg/m ³ As oil mist	5 mg/m ³ As oil mist	None

Personal protective equipment

Respiratory protection

If operating conditions create airborne concentrations that exceed the exposure standard for this product, the use of an approved NIOSH/OSHA respirator for organic vapors or air supplied breathing equipment is recommended.

Eye protection

Wear appropriate safety glasses, goggles or full-face shield.

Skin and body protection

Long sleeve cotton shirt and cotton pants are recommended. Wear appropriate gloves.

SECTION 9.0	PHYSICAL AND CHEMICAL PROPERTIES
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Physical State

Liquid

Color

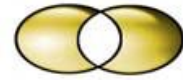
Straw colored

Odor

Petroleum odor

Odor threshold

No data available



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pH	No data available
Melting point/freezing point	- 30 ⁰ F
Initial boiling point and boiling range	616 ⁰ F
Flash point	330 ⁰ F minimum
Evaporation rate (Ethyl Ether = 1)	<1
Flammability (solid, gas)	Not applicable
Percent volatile (% by volume)	0
Lower and upper explosive (flammable) limits	No data available
Vapor pressure	<0.1 mmHg @ 100 ⁰ F
Vapor density (Air =1)	4
Relative density	No data available
Solubility in water	Nil
Partition coefficient n-octanol/water	≥5.7
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Specific gravity (H ₂ O = 1)	0.89
Viscosity, Kinematic	20.6 mm ² /s @40 ⁰ C

SECTION 10.0

STABILITY AND REACTIVITY

Stability

Stable

Conditions contributing to instability

None

Incompatibility (material to avoid)

May react with strong oxidizers

Hazardous decomposition products

Normal combustion forms carbon dioxide and water vapor, and may produce oxides of sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.

Hazardous polymerization

Will not occur

SECTION 11.0

TOXICOLOGICAL INFORMATION

Acute studies

Low order of acute oral or dermal toxicity



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Health Effects

Possible mild eye and skin irritant

Carcinogenicity

ACGIH, NTP, OSHA and IARC carcinogen lists were checked for those components with CAS Registry Numbers (64742-52-5).

ACGIH:

This product is not listed as carcinogenic.

IARC

The International Agency for research on cancer has concluded that highly or severely refined light and middle distillates are Group 3 substances, "not classifiable as to their carcinogenicity to humans," based on inadequate human or animal evidence.

NTP

This product is not listed as carcinogenic.

OSHA

This product is not listed as carcinogenic.

SECTION 12.0	ECOLOGICAL INFORMATION
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Ecotoxicity

No mortality or other adverse reactions to the exposures during or after 96 hours

Persistence and degradability

Direct photolysis will not contribute to a measurable degradative removal of chemical components in this category from the environment. Inherently biodegradable

Bioaccumulative potential

Inherently biodegradable.

Mobility in soil

No data available

Other adverse effects

No data available

Aquatic Release

Advise authorities if product has entered or may enter watercourses or sewer drains.

SECTION 13.0	DISPOSAL CONSIDERATIONS
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Waste Residues Description

This product is not a characteristic hazardous waste under RCRA. No EPA waste numbers are applicable for this product's components.



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Safe Handling Information

See Section 7 (Handling and Storage)

Waste Disposal Method

Observe Federal, State and Local regulations covering chemical waste spills.

SECTION 14.0

TRANSPORT INFORMATION

DOT

Not regulated as a hazardous material for transportation by USA DOT.

SECTION 15.0

REGULATORY INFORMATION

US Federal regulations

TSCA

Listed

CERCLA

This product is not a hazardous substance under CERCLA.

SARA 302/304

This product is not listed as an extremely hazardous substance in 40 CFR Part 355, and is not known to contain an extremely hazardous substance in a concentration greater than one percent by weight.

SARA 311/312 Hazard Categories

Acute Health Hazard No

Chronic Health Hazard: No

Fire Hazard: No

Pressure Release Hazard No

Reactivity Hazard: No

SARA 313

This product is not known to contain any components in concentrations above OSHA de minimus levels that are listed as toxic in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA.

OSHA

29 CFR 1910.1200 (Hazard Communication) required.

Canada

WHIMS

Listed



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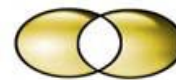
US State Regulations

Distillate, Petroleum, Hydrotreated Light Naphthenic appears on the following state hazardous substances list. – Massachusetts

SECTION 16.0	OTHER INFORMATION
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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; bw = body weight; bw/day = body weight/day; 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 fur Normung; DMEL = Derived Minimal Effect Level; DNEL = Derived No Effect Level; DOT = Department of Transportation; DSL = Domestic Substances List (Canada); dw = dry weight; 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; fw = fresh water; GHS = Globally Harmonized System of Classification and Labelling of Chemicals; GLP = Good Laboratory Practice; 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, LC₅₀ = 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; LL₅₀ = 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; LRT = Lower Respiratory Tract, 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/m³ = : 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, mw = marine water; 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; OECD = Organization for Economic Co-operation and Development; OE-HPV = Occupational Exposure - High Production Volume; or = occasional release; 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



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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; S* = Skin notation; 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, TSCA = Toxic Substance Control Act; 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; URT + Upper Respiratory Track, 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)

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