

SAFETY DATA SHEET

SECTION 1.0	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier

UNINAP® 40 JS

Other means of identification

 Distillate, petroleum, naphthenic lubricant, naphthenic process oil, Distillate (Petroleum)
 Hydrotreated Light Naphthenic, Mineral Seal Oil, MSO, Base Oil

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

Signal word

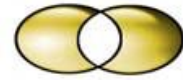
Danger

Hazard Statement

Aspiration Toxicity Category 1

OSHA/HCS status
Hazards

Aspiration Toxicity Category 1



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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 Light Naphthenic

CAS number/other identifiers

Ingredient Name	%	CAS number
Distillate (Petroleum) Hydrotreated Light Naphthenic	100	64742-53-6

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

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



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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

240°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, stop the spill source if possible without risk. Contain spill. Eliminate sources of ignition. Clean up using non-flammable absorbent material such as earth or sand.

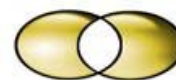
RCRA Hazard Class

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

SECTION 7.0	HANDLING AND STORAGE
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Personal Protection

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



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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 Light Naphthenic CAS No. 64742-53-6	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
pH	No data available
Melting point/freezing point	-60 ⁰ F
Initial boiling point and boiling range	400 ⁰ F
Flash point	240 ⁰ F minimum
Evaporation rate (Ethyl Ether = 1)	<1
Flammability (solid, gas)	No data available



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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 (H₂O = 1)	0.88
Viscosity, Kinematic	5.25 mm ² /s @40 ⁰ C

SECTION 10.0	STABILITY AND REACTIVITY
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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
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Acute studies

Low order of acute oral or dermal toxicity

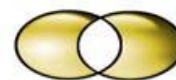
Health Effects

Possible mild eye and skin irritant

Carcinogenicity

ACGIH, NTP, OSHA and IARC carcinogen lists were checked for those components with CAS Registry Numbers (64742-53-6).

ACGIH:



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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

No data available

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

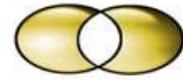
This product is not a characteristic hazardous waste under RCRA. No EPA waste numbers are applicable for this product's components.

Safe Handling Information

See Section 7 (Handling and Storage)

Waste Disposal Method

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



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SECTION 14.0	TRANSPORT INFORMATION
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DOT

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

SECTION 15.0	REGULATORY INFORMATION
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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.

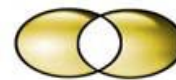
Canada**WHIMS**

Listed

US State Regulations

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

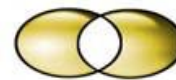
SECTION 16.0	OTHER INFORMATION
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Abbreviations

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; 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, 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; 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, 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 Ob-served 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)



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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.