



SAFETY DATA SHEET

SECTION 1.0	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier

UNINAP® 2200 AV

Other means of identification

Medium Pale Oil

Recommended use (identified)

Not available

Manufacturer/Importer/Supplier/Distributor Information

UniSource Energy, Inc.
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, Inc.
1-800-444-5510

CHEMTREC
1-800-424-9300

SECTION 2.0	HAZARD(S) IDENTIFICATION
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Physical Hazards

Not classified

Health Hazards

Not classified

OSHA Defined Hazards

Not classified

Label Elements**Hazard symbol**

None

Signal word

None

Hazard statement



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This product does not meet the criteria for classification

Precautionary Statement

Prevention

Observe good industrial hygiene practices.

Response.

Wash hands after handling.

Storage

Store away from incompatible materials.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental Information

None.

SECTION 3.0

COMPOSITION/INFORMATION ON INGREDIENTS

CAS number/other identifiers

Ingredient Name	%	CAS number
Distillates (petroleum), 64742-52-5 100 hydrotreated heavy naphthenic	100	64742-52-5

SECTION 4.0

FIRST AID MEASURES

Description of Necessary First Aid Measures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

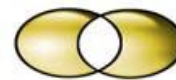
Inhalation

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact

Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.

Ingestion



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First aid is normally not required. However, if greater than 1/2 liter (pint) ingested, seek medical attention.

Most Important Symptoms, Acute and Delayed

Under normal conditions of intended use, this product is not expected to be a health risk.

Indication of Immediate Medical Attention and Special Treatment Needed

Treat symptomatically. Symptoms may be delayed.

General Information

Get medical attention if symptoms occur. Wash contaminated clothing before re-use.

SECTION 5.0

FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

Not available

Specific Hazards Arising from the Chemical

Not applicable

Special Protective Equipment and Precautions for Firefighters

Not available

Fire Fighting Equipment/Instructions

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6.0

ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear appropriate personal protective equipment (see Section 8)

Methods and Materials for Containment and Cleaning Up

Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.

Large Spills: Flush area with water. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

SECTION 7.0

HANDLING AND STORAGE

Precautions for Safe Handling



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Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Observe good industrial hygiene practices.

Conditions for Safe Storage, Including Any Incompatibilities

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

SECTION 8.0	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Occupational Exposure Limits

Component	Type	Value	Form
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)			
Distillates (petroleum) hydrotreated heavy naphthenic (CAS:64742-52-5)	PEL	5 mg/m ³	Mist
		2000 mg/m ³	
		500 ppm	
US. ACGIH Threshold Limit Values			
Distillates (petroleum) hydrotreated heavy naphthenic (CAS:64742-52-5)	TWA	5 mg/m ³	Inhalable fraction
US. NIOSH: Pocket Guide to Chemical Hazards			
Distillates (petroleum) hydrotreated heavy naphthenic (CAS:64742-52-5)	Ceiling	1800 mg/m ³	
	STEL	10 mg/m ³	Mist
	TWA	5 mg/m ³	Mist

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Exposure Guidelines

No exposure standards allocated.

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Individual Protective Measures, such as Personal Protective Equipment

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Use NIOSH approved respirator with organic vapor/acid gas protection.

Hand protection

Wear protective gloves

Eye protection

Wear safety glasses with side shields (or goggles).



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Skin and body protection

Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.

Thermal hazards

When material is heated, wear gloves to protect against thermal burns.

SECTION 9.0	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance	Oily, viscous liquid
Physical state	Liquid
Form	Liquid
Color	Pale straw to amber
Odor	Petroleum-like
Odor threshold	Not available
pH	Not available
Melting point/freezing point	-49 – -16°F (-45 – -26.67°C)
Initial boiling point and boiling range	> 482°F (> 250°C)
Flash point – (Pensky-Martens Closed Cup)	> 420.0°F (> 215.6°C)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower and upper explosive (flammable) limits	Not available
Vapor pressure	0.16 kPa
Vapor density	Not available
Relative density	Not available
Solubility	Insoluble
Partition coefficient n-octanol/water	>6
Auto-ignition temperature	> 518°F (> 270°C)
Decomposition temperature	> 536°F (> 280°C)
Kinematic Viscosity @ >104°F (> 40°C)	250 – 4200 cSt
Density @ 59°F (15°C)	940.00 kg/m ³

SECTION 10.0	STABILITY AND REACTIVITY
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Reactivity

Not available



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Chemical Stability.

Material stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Excessive heat.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

No hazardous decomposition are known.

SECTION 11.0**TOXICOLOGICAL INFORMATION****Information on the Likely Routes of Exposure****Inhalation**

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin Contact

Based on available data, the classification criteria are not met.

Eye contact

Based on available data, the classification criteria are not met.

Ingestion

Under normal conditions of intended use, this material does not pose a risk to health.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Under normal conditions of intended use, this material does not pose a risk to health.

Information on Toxicological Effects**Acute toxicity**

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

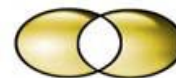
Respiratory or Skin Sensitization**Respiratory sensitization**

Based on available data, the classification criteria are not met.

Skin sensitization

Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity



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Based on available data, the product is not mutagenic

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Petroleum components contained in this product meet the IP 346 criteria of less than 3 percent DMSO-extractable components.

IARC Monographs. Overall Evaluation of Carcinogenicity

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

3 – Not classifiable as to carcinogenicity to humans

NTP Report on Carcinogens

Not Listed

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated

Reproductive Toxicity

Based on best current information, there is no known reproductive toxicity associated with this product.

Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

Aspiration Hazard

Based on available data, the classification criteria are not met.

SECTION 12.0	ECOLOGICAL INFORMATION
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Ecotoxicity

This material has not been tested for environmental effects

Persistence and Degradability

No data available.

Bioaccumulative Potential

Has the potential to bioaccumulate.

Mobility in Soil

Not available

Soil/water Partition Coefficient (K_{ow})

>6

Other Adverse Effects

Not available



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SECTION 13.0

DISPOSAL CONSIDERATIONS

Disposal Instructions

Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

Hazardous Waste Code

Not regulated.

Waste from Residues/unused Products

Disposed of in accordance with local regulations.

Contaminated Packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14.0

TRANSPORT INFORMATION

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk According to Annex II of MARPOL, 73/78 and the IBC Code

Not applicable. However, this product is a liquid and if transported in bulk covered under MARPOL 73/78, Annex I.

SECTION 15.0

REGULATORY INFORMATION

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.



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Superfund Amendments and Reauthorization Act of 1986 (SARS)

Hazardous categories
 Immediate Hazard - No
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Yes

SARA 313 (TRI reporting)

Not regulated.

Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA).

Not regulated

US State Regulations

US. Massachusetts RTK - Substance List

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

Not Listed.

International Inventories

Country(s) or Region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No



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Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

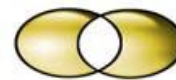
*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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; AIHA = American Industrial Hygiene Association; 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 für 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; EC_x = Effect Concentration associated with x% response; 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



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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 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 = Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials (UVCB Substance) on the TSCA Inventory vPvB = very Persistent and very Bioaccumulative; WHMIS = Worker Hazardous Materials Information System (Canada)

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.