

**SECTION 1.0** 

## PRODUCT AND COMPANY IDENTIFICATION

#### **Product Identifier**

UNINAP® 300 AC

#### Other means of identification

Distillates (petroleum), hydrotreated heavy naphthenic, Base oil - unspecified; Hydrotreated heavy naphthenic distillate solvent extract (petroleum); Distillates, petroleum, hydrotreated heavy naphthenic; Hydrotreated heavy naphthenic distillate, solvent extract, petroleum; Mineral oil, petroleum distillates, hydrotreated heavy naphthenic; Mineral oil, petroleum distillates, hydrotreated (severe) heavy naphthenic; Distillates (petroleum), hydro-treated heavy naphthenic; Base oil — unspecified

### Recommended use (identified)

Petrochemical industry: Petroleum refining. Naphthenic Lubricant

# 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>SECTI</b>	ON	2.0
--------------	----	-----

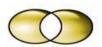
# **HAZARD(S) IDENTIFICATION**

### **OSHA/HCS** status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

# Classification of the substance or mixture

Not classified.



#### **GHS** label elements

Signal word

Danger

**Hazard Statement** 

No known significant effects or critical hazards.

# **Precautionary Statement**

Prevention

Not applicable

Response

Not applicable.

Storage

Not applicable.

Disposal

Not applicable.

# Hazard(s) not otherwise classified (HNOC)

None known.

SECTION 3.0 COMPOSITION/INFORMATION ON INGREDIENTS	
--	--

#### Substance/mixture

Substance

#### **Chemical name**

Distillates (petroleum), hydrotreated heavy naphthenic

### CAS number/other identifiers

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

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.



SECTION 4.0	FIRST AID MEASURES
SECTION 4.0	FIRST AID MEASURES

## Description of necessary first aid measures

### Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs,

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

#### Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

# Ingestion

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

# Most important symptoms, acute and delayed

### Potential acute health effects

#### **Eve Contact**

No known significant effects or critical hazards.

#### Inhalation

No known significant effects or critical hazards.

### **Skin Contact**

No known significant effects or critical hazards.

### Ingestion

No known significant effects or critical hazards.

### Over-exposure signs/symptoms

### **Eye Contact**

No specific data

#### Inhalation

No specific data

#### **Skin Contact**

No specific data

#### Ingestion

No specific data



# Indication of immediate medical attention and special treatment needed

# Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### **Protection of first-aiders**

No action shall be taken involving any personal risk or without suitable training

## Immediate medical attention, special treatment

No specific treatment.

5.0 FIRE-FIGHTING MEASURES
----------------------------

## Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

# Unsuitable extinguishing media

Do not use water jet.

## Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

# Hazardous thermal decomposition product

Decomposition products may include the following materials: carbon dioxide, carbon monoxide

#### Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training

# Special protective equipment and precautions for firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6.0	ACCIDENTAL RELEASE MEASURES	
-------------	-----------------------------	--

# Personal precautions, protective equipment and emergency procedures For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.



# For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information". in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel"

## **Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

# Methods and materials for containment and cleaning up Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

CL	-	17 N R	7	11
SE		w	W /	. 17
_	•		• •	

## HANDLING AND STORAGE

# Precautions for safe handling

#### **Protective measures**

Put on appropriate personal protective equipment (see Section 8

## Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.



SECTION 8.0	EXPOSURE CONTROLS/PERSONAL PROTECTION
-------------	---------------------------------------

## **Exposure controls**

Component	Exposure Limits	
Distillates (petroleum),	ACGIH TLV (United States 4/2014)	TWA: 5 mg/m³ 8 hours. Form: Inhalable
hydrotreated heavy naphthenic	NIOSH REL (United States, 10/2013).	TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist
	OSHA PEL (United States, 2/2013)	TWA: 5 mg/m <sup>3</sup> 8 hours.

## **Engineering measures**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

## **Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Personal protective equipment

# **Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

# Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields

## Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

## **Body protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



## Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

# **SECTION 9.0**

# PHYSICAL AND CHEMICAL PROPERTIES

Physical state Liquid

Colorless to light yellow

OdorHydrocarbonOdor thresholdNot availablepHNot available

Melting point/freezing point 0°C (32°F)

**Initial boiling point and boiling range** 207 to 750°C (404.6 to 1382°F)

Flash point 195°C (383°F) [Cleveland Open Cup]
Evaporation rate Not available

Flammability (solid, gas)

Lower and upper explosive (flammable) limits

Not available

Vapor pressure <0.011 kPa (<0.08 mm Hg) [room

Vapor density temperature] Not available

Relative density 0.91

**Solubility** Insoluble in the following materials: cold

water and hot water.

Partition coefficient n-octanol/water >6

Auto-ignition temperatureNot availableDecomposition temperatureNot available

Viscosity, Kinematic 0.5856 cm2/s (58.56 cSt) 40°C (104°F))



SECTION 10.0	STABILITY AND REACTIVITY
--------------	--------------------------

## Reactivity

No specific test data related to reactivity available for this product or its ingredients.

# **Chemical stability**

The product is stable.

# Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

#### Conditions to avoid

No specific data.

## Incompatible materials

No specific data.

# **Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11.0 TOXICOLOGICAL INFORMATION
--

# **Acute toxicity**

Product/ingredient name	Result	Species	Dose
Distillates (petroleum), hydrotreated heavy	LC <sub>50</sub> Inhalation Dusts and mists	Rat	5.7 mg/l 4 hours
naphthenic	LD <sub>50</sub> Dermal	Rabbit	>2000 mg/kg
	LD <sub>50</sub> Oral	Rat	>5000 mg/kg

### Irritation/Corrosion

Not available

# Sensitization

Not available

# Mutagenicity

Not available

### Carcinogenicity

Not available

## **Conclusion/Summary**

The classification as a carcinogen need not apply as it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

# Reproductive toxicity

Not available



## **Teratogenicity**

Not available

# Specific target organ toxicity (single exposure)

Not available

# Specific target organ toxicity (repeated exposure)

Not available

# **Aspiration hazard**

Not available

### Information on the likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

#### Potential acute health effects

### Eye contact

No known significant effects or critical hazards.

#### Inhalation

No known significant effects or critical hazards.

#### **Skin Contact**

No known significant effects or critical hazards.

### Ingestion

No known significant effects or critical hazards.

# Symptoms related to the physical, chemical and toxicological characteristics

# Eye contact

No specific data.

### Inhalation

No specific data.

#### **Skin Contact**

No specific data.

# Ingestion

Adverse symptoms may include the following: nausea or vomiting

# Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure, Potential immediate effects

Not available

# Short term exposure, Potential delayed effects

Not available

## Long term exposure, Potential immediate effects

Not available

# Long term exposure, Potential delayed effects

Not available

## Potential chronic health effects

Not available



#### General

No known significant effects or critical hazards.

# Carcinogenicity

No known significant effects or critical hazards.

# Mutagenicity

No known significant effects or critical hazards.

# **Teratogenicity**

No known significant effects or critical hazards.

# **Developmental effects**

No known significant effects or critical hazards.

# **Fertility effects**

No known significant effects or critical hazards.

# **Numerical measures of toxicity**

Not available

# **Ecotoxicity**

Product/ingredient name	Result	Species	Exposure
Distillates (petroleum),	Acute EC <sub>50</sub> >100 mg/	Algae	72 hours
hydrotreated heavy	Acute EC <sub>50</sub> >100 mg/	Crustaceans	48 hours
naphthenic	Acute LC <sub>50</sub> >100 mg/	Fish	96 hours

## Persistence and degradability

Inherent

## Bioaccumulative potential

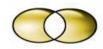
Product/ingredient name	LogPow	BCF	Potential
Distillates (petroleum), hydrotreated heavy naphthenic	>6	-	High

# Soil/water partition coefficient (Koc)

Not available

### Other adverse effects

No known significant effects or critical hazards.



SECTION 13.0	DISPOSAL CONSIDERATIONS
--------------	-------------------------

## **Disposal instructions**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

#### RCRA classification

Not Regulated

SECTION 14.0	TRANSPORT INFORMATION
--------------	-----------------------

**DOT** 

Not regulated

**TDG** 

Not regulated

**IATA** 

Not regulated

**IMDG** 

Not regulated

### Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

Not available



SECTION 15.0	REGULATORY INFORMATION
--------------	------------------------

# **US Federal regulations**

# TSCA 8(a) CDR Exempt/Partial exemption:

This material is listed or exempted.

# Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)

Not listed

#### Clean Air Act Section 602 Class I Substances

Not listed

### Clean Air Act Section 602 Class II Substances

Not listed

# **DEA List I Chemicals (Precursor Chemicals)**

Not listed

# **DEA List II Chemicals (Essential Chemicals)**

Not listed

#### SARA 302/304

# Composition/information on ingredients

No products were found.

### SARA 304 RQ

Not applicable

### **SARA 311/312**

## Classification

Not applicable

## Composition/information on ingredients

Name	%	Fire Hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Distillates (petroleum), hydrotreated heavy naphthenic	100	No	No	No	Yes	No

## **US State Regulations**

### **Massachusetts**

This material is not listed.

## **New York**

This material is not listed.

### **New Jersey**

This material is listed.

## Pennsylvania



This material is not listed.

#### California

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### International regulations

### **National Inventory**

This material is listed or exempted
This material is listed or exempted

SECTION 16.0 OTHER INFORMATION	
--------------------------------	--

#### **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 Forschungsgemeinschaf; DIN = Deutsches Institut fur 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 =

## UNISOURCE-ENERGY, LLC



# SAFETY DATA SHEET

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 Ob-served Effect Level; NTP = National Toxicology Program; NZ = New Zealand; OE\_HPV = 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)

#### **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.