



SAFETY DATA SHEET

SECTION 1.0	PRODUCT AND COMPANY IDENTIFICATION
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Product IdentifierUNINAP[®] SX 2000 JS**Other means of identification**

Petroleum, Hydrocarbon, Hydrotreated

Recommended Use

Lube base

Manufacturer/Importer/Supplier/Distributor InformationUniSource 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 numberUniSource Energy, LLC
1-800-444-5510CHEMTREC
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

GHS Requirements**Hazard Symbol**

None

Signal word

None

Hazard Statement

This product does not meet the criteria for classification.



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Precautionary Statements

Prevention

Not Applicable

Response

Not Applicable

Storage

Not Applicable

Disposal

Not Applicable

SECTION 3.0

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family

Petroleum, Hydrocarbon, Hydrotreated

CAS Number/Other Identifiers

Ingredient Name	% by wt.	CAS number
Distillates (Petroleum). 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 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 equipment is recommended.

Skin contact

Wash contact areas with soap and water. Remove and clean oil-soaked clothing daily and wash affected area.

Ingestion

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

Important Symptoms/Effects, acute and Delayed

Eyes



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

Health Precautions

Warning

Fumes from hot product may cause irritation to the skin, nose, throat, and lungs.

Recommendations for Immediate Medical Care and Special Treatment Needed, When Necessary

Hot product can cause burns. If burned by hot product, cool affected area immediately with cool water. Seek medical attention immediately.

Persons with preexisting skin or respiratory disorders may have their conditions aggravated by over exposure to this material. Seek medical attention.

SECTION 5.0

FIRE-FIGHTING MEASURES

Flammable Limits in Air (% by Volume)

Upper: No data available

Lower: No data available

Flash Point, COC

400°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

Personal Precautions, Protective Equipment and Emergency Procedures



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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.

SECTION 7.0

HANDLING AND STORAGE

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

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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Appearance	Amber colored liquid
Odor	Little or no odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	30° F
Initial boiling point @760 mmHg	550° F
Flash point	400° F minimum
Evaporation rate (Ethyl Ether = 1)	<1
Flammability (solid, gas)	Not applicable
Percent volatile (% by volume)	Not applicable
Upper/Lower explosive (flammable) limits	No data available
Vapor pressure	0.1 mmHg @ 100° F
Vapor density (Air =1)	Not applicable
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)	0.93

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

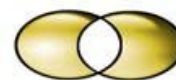
Normal combustion forms carbon dioxide and water vapor and may produce oxides of sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.

Hazardous polymerization

Will not occur.

SECTION 11.0

TOXICOLOGICAL INFORMATION



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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 (64742-52-5).

ACGIH:

This product is not listed as carcinogenic.

IARC

This product contains petroleum oils similar to ones categorized by the International Agency for Research on Cancer as causing skin cancer in laboratory animals when the oil was repeatedly applied for most of the lifetime of the animal with no effort made to remove the oil between applications. Handling instructions and precautions outlined in this SDS should be followed when handling this product.

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.

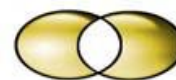
Other adverse effects

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.

Safe Handling Information

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

Waste Disposal Method

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

SECTION 14.0

TRANSPORT INFORMATION

DOT

Proper Shipping Name

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

SECTION 15.0

REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substance Control Act) Registry

Listed

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

This product is not a hazardous substance under CERCLA.

SARA (Superfund Amendments and Reauthorization Act) Title III 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

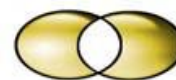
SARA 313

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



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WHIMS

Listed

US State Regulations

Mineral oil, petroleum distillates, heavy naphthenic distillate appears on one or more of the hazardous substances lists in the following states:

Massachusetts

SECTION 16.0	OTHER INFORMATION
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Abbreviations

A1 = Known Human Carcinogen; A2 = Suspected Human Carcinogen; A3 = Animal Carcinogen; A4 = Not classifiable as a human carcinogen; 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; Australia AICS = Australian Inventory of Chemical Substances; 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, Canada DSL = Domestic Substances List; Canada NDSL = Non-Domestic Substance List; 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; China IECSC = Inventory of Existing Chemical Substances In China; CPR= Controlled Products Regulations; CSA = Chemical Safety Assessment; CSR = Chemical Safety Report; CWA = Clean Water Act; DEA – Drug Enforcement Administration; Delisted = Substances Delisted from Report on Carcinogens; 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; EC No. = European Community number; 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; EPCRA = Emergency Planning and Community Right-to-Know Act of 1986 (USA); 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; FOSFA = The Federation of Oils, Seeds and Fats Associations; GHS = Globally Harmonized System of Classification and Labelling of Chemicals; GLP = Good Laboratory Practice; Group 1 = Carcinogenic to Humans; Group 2A = Probably Carcinogenic to Humans; Group 2B = Possibly Carcinogenic to Humans; Group 3 = Not Classifiable; HAPs = Hazardous Air Pollutants; HNOC = Hazards Not Otherwise Classified, 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; ICL = In Commerce List (Canada); IDL = Ingredient Disclosure List; IDLH = Immediately Dangerous to Life and Health; IL₅₀ = Inhibitory Level fifty; IMDG = International Maritime Dangerous Goods; IMO = International Maritime Organization; 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; IUB = International Union of Biochemistry and Molecular Biology; JP – Japan; , Kow = Octanol/water partition; KECL = Korean Existing and Evaluated Chemical Substances (Korea), Known = Known carcinogen; 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 =



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Lower Respiratory Tract, MARPOL = International Convention for the Prevention of Pollution from Ships; MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978; 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, MEPC = Marine Environment Protection Committee; MEX = NOM-002-SCT/2003 List of Hazardous Substances and materials Most Commonly Transported; MEXICO = Mexico Occupational Exposure Limits; 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; NOAEL = No Observed Adverse Effect Level; NOEC/NOEL = No Observed Effect Concentration / No Observed Effect Level; NTP = National Toxicology Program; NZ = New Zealand; NZIoC = New Zealand Inventory of Chemicals; 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; OSHA PEL = Occupational Safety and Health Administration Permissible Exposure Limits; 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; Present = Carcinogen or potential carcinogen to be identified under OSHA's Hazard Communication Standard; RCRA = Resource Conservation and Recovery; REACH = Registration Evaluation And Authorization Of Chemicals; RID = European Rail Transport; RRN = REACH Registration Number: Reasonably Anticipated = Reason Anticipated to be a Human Carcinogen; RQ = Reportable Quantity; RTECS = Registry of Toxic Effects of Chemical Substances®; RTK = Right To Know; SARA = Superfund Amendments and Reauthorization Act; S* = Skin notation; SEN = Sensitizer notation. May reflect risk of dermal and/or inhalation sensitization (consult ACGIH documentation); SKIN_DES = Skin Designation; Skin notation = Potential for cutaneous absorption; STEL = Short Term Exposure Limit (15 minutes); SCBA = Self-Contained Breathing Apparatus; SDWA = Safe Drinking Water Act; STOT = Specific Target Organ Toxicity, STEL = Short Term Exposure Limit (15 minutes); STOT = Specific Target Organ Toxicity; STV = Short Term Value (same as STEL); TDG Transportation of Dangerous Goods (Transport Canada); 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); Under Consideration = Under Consideration by the National Toxicology Program; 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)

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