



SAFETY DATA SHEET

SECTION 1.0	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier

UNIPAR® SH 275 MA

Recommended use (identified)

Mineral Oil, Solvent, Process Oil, Mineral Seal 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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OSHA/HCS Status

Prepared according to GHS

GHS Classification

Aspiration Hazard Category 1

GHS Label Elements**Hazard pictograms****Signal word**

DANGER!

Hazard statements

May be fatal if swallowed and enters airways.

Precautionary Statements

If swallowed: immediately call a poison center/ doctor to specify the appropriate source of emergency medical advice.
DO NOT induce vomiting.

SECTION 3.0	COMPOSITION/INFORMATION ON INGREDIENTS
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CAS Number

Ingredient Name	%	CAS number
Hydrotreated distillate, middle	100	64742-46-7

SECTION 4.0

FIRST AID MEASURES

Description of Necessary First Aid Measures

Eye contact

Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Inhalation

Product is not expected to present any inhalation hazard at ambient conditions. If aerosolization and/or misting occurs and a person is over-exposed, move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Skin contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Ingestion

DO NOT INDUCE VOMITING. If conscious, rinse out mouth with water. Seek medical attention immediately.

Most Important Symptoms, Acute and Delayed

May be fatal if swallowed and enters airways.

Notes to physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5.0

FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use dry chemical, CO₂, water spray (FOG) or foam.

Unsuitable Extinguishing Media

Avoid solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Elevated temperatures can lead to the formation of irritating fumes and vapors. Decomposing products may include the following materials: Carbon dioxide and Carbon monoxide.

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



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Personal Precautions, Protective Equipment and Emergency Procedures

Put on appropriate personal protective equipment.

Environmental Precautions

Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods for Containment

Stop leak if without risk.

Methods for Cleanup

Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled container

SECTION 7.0

HANDLING AND STORAGE

Handling Procedures

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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Use non-sparking tools.

Shipping and Storing Procedures

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat. Protect from light. Keep in properly labeled containers. Keep out of the reach of children.

Incompatibilities

Oxidizing agents.

SECTION 8.0

EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Ingredient			
Oil Mist (mineral)	ACGIH TLV TWA	N/A ppm	5 mg/m ³
	ACGIH TLV STEL	N/A ppm	10 mg/m ³
	OSHA PEL TWA	N/A ppm	5 mg/m ³
	OSHA PEL STEL	N/A ppm	N/A mg/m ³
	NIOSH REL TWA	N/A ppm	5 mg/m ³
	NIOSH REL STEL	N/A ppm	10 mg/m ³

N/A signifies not available.

Engineering Controls

Material should be handled in enclosed vessels and equipment. Use only in adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual Protective Measures, such as Personal Protective Equipment

General Hygiene measures



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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.

Eye/Face protection

Chemical goggles or face shield.

Skin protection

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times. Coveralls, apron, and boots as necessary to minimize contact.

Respiratory protection

Respirator may only be needed if product is aerosolized and/or misted. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels.

SECTION 9.0	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance	Clear and bright
Physical state	Liquid
Odor	Petroleum oil
Odor threshold	Not Available
pH	Not Available
Melting point/freezing point	Not Available
Initial boiling point	530°F
Boiling range	530°F -- 623°F
Flash point	285°F Cleveland Open Cup ASTM D92
Evaporation rate	Not Available
Flammability (solid, gas)	Not Available
Lower and upper explosive (flammable) limits	Not Available
Vapor pressure	0.00 @ 20°C mm Hg
Vapor density	Not Available
Water soluble	No
Partition coefficient n-octanol/water	3.3 -- >6
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Kinematic Viscosity @ >104°F (> 40°C)	3.9 – 4.5
Volatile Organic compounds	407.3 g/L
Aromatic Content (Typical mass)	10 %

SECTION 10.0	STABILITY AND REACTIVITY
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Reactivity

Polymerization will not occur.

Chemical Stability.

Stable under normal conditions.

Possibility of Hazardous Reactions

None, under normal conditions.

Conditions to Avoid



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High temperatures, flames, sparks.

Incompatible Materials

Strong acids and oxidizing materials.

Hazardous Decomposition Products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

SECTION 11.0

TOXICOLOGICAL INFORMATION

Acute Exposure

Respiratory irritation

An inhalation hazard may only arise if product is used in aerosol conditions or if heated up. If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and upper respiratory tract. Based on data from similar materials.

Eye irritation

May cause minimal to slight eye irritation if product is splashed in eyes and unwashed

Sensitization

Not expected to cause skin or respiratory sensitization.

Aspiration hazards

If swallowed can be aspirated into lungs and cause chemical pneumonia, varying degrees of pulmonary injury or death. If swallowed, do NOT induce vomiting.

Chronic Effects

Target Organ

No data available to indicate product or components at greater than 1% are chronic health hazards.

Carcinogenicity

This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

Mutagenicity

No data available to indicate product or any components present at greater than .1% are mutagenic or genotoxic.

Reproductive Toxicity

No data available to indicate either product or components present at greater than .1% that may cause reproductive toxicity.

Teratogenicity

No data available to indicate product or any components contained at greater than .1% may cause birth defects.

Analysis – LD₅₀/LC₅₀

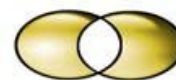
Inhalation LC ₅₀ Rat	4.6 – 7.64 mg/L 4 hrs. Aerosolized
Oral LD ₅₀ Rat	>5000 mg/kg
Dermal LD ₅₀ RBBIT	>2000 mg/kg

SECTION 12.0

ECOLOGICAL INFORMATION

Component Analysis- Ecotoxicity – Aquatic Life

Test	Species	Duration	Concentration
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LL ₅₀ WAF	Aquatic vertebrates	96 hrs.	>750 mg/L
EL ₅₀ WAF	Daphnia magna	7 day	Not Available
EL ₅₀	Daphnia magna	21 day	Not Available

Persistence and Degradability

Readily degraded

Bioaccumulative Potential

Not Available

Mobility in Soil

Not Available

Other Adverse Effects

Not Available

SECTION 13.0
DISPOSAL CONSIDERATIONS
Disposal Instructions

The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

SECTION 14.0
TRANSPORT INFORMATION
Emergency Response Guide No.

 171 *North American Emergency Response Guide Book*

	DOT Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name			
Transport Hazard Class(es)			
Packaging Group			
Placard/Label			

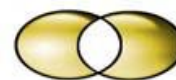
SECTION 15.0
REGULATORY INFORMATION
US Federal Regulations
SARA Extremely Hazardous (Sections 302/304)

This product does not contain greater than 1% of any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA 311/312 Classification

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

Sara 313



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This product does not contain greater than 1.0% of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CERCLA

This product does not contain any "hazardous substances" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

State Regulations

California Proposition 65

This product is not routinely tested to determine chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components.

California Air Resource Board (CARB)

Compound (LVP-VOC) according to the CARB. This product meets one of the following requirements in order to be considered a LVP-VOC:

- (A) has a vapor pressure less than 0.1 mm Hg at 20oC, as determined by ARB Method 310; or
- (B) is a chemical "compound" with more than 12 carbon atoms, or a chemical "mixture" comprised solely of "compounds" with more than 12 carbon atoms, as verified by formulation data, and the vapor pressure and boiling point are unknown; or
- (C) is a chemical "compound" with a boiling point greater than 216oC, as determined by ARB Method 310; or
- (D) is the weight percent of a chemical "mixture" that boils above 216oC, as determined by ARB Method 310.

California Air Resource Board (CARB) Bin Number

20

National Inventory

Australia

Present

Canada

Present

China

Present

Europe

Present

Japan

Not available

New Zealand

Present

Philippines

Not Available

Republic of Korea

Present

Switzerland

Not Available

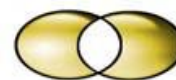
Taiwan NECl

Present

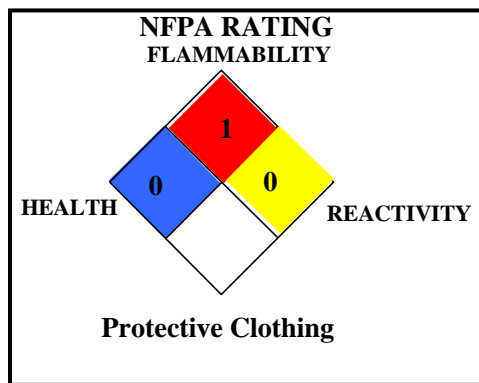
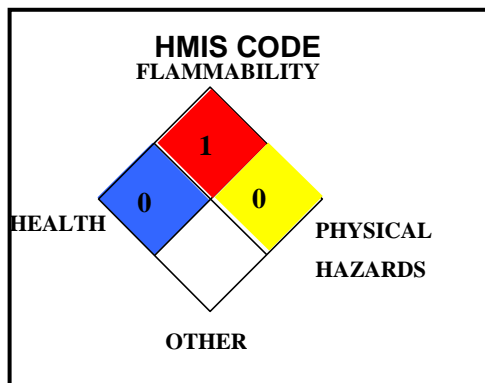
US TSCA

Present

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 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;



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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

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