



# SAFETY DATA SHEET

<b>SECTION 1.0</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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**Product Identifier**

UNIPAR® SH 170 AS

**Other means of identification**

Paraffinic Naphthenic Solvent

**Recommended use (identified)**

Industrial &amp; Institutional cleaning, Industrial use, Lubricants, Oilfield Drilling

**Manufacturer/Importer/Supplier/Distributor Information**

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CHEMTREC

1-800-424-9300

<b>SECTION 2.0</b>	<b>HAZARD(S) IDENTIFICATION</b>
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**GHS Hazards****Flammable liquids**

Category 4

**Aspiration hazard**

Category 1

**Label Elements****Hazard symbols****Signal word**

Danger



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## Hazard statements

Combustible liquid.  
May be fatal if swallowed and enters airways.

## Precautionary statements

### Prevention

Keep away from open flames/hot surfaces. - No smoking.  
Wear protective gloves/ eye protection/ face protection.

### Response

In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
Do NOT induce vomiting.

### Storage

Store locked up in a well-ventilated place. Keep cool.

### Disposal

Dispose of contents/ container to an approved waste disposal plant.

## SECTION 3.0

## COMPOSITION/INFORMATION ON INGREDIENTS

### CAS number/other identifiers

Ingredient Name	%	CAS number
Distillates, petroleum, hydrotreated light	100	64742-47-8

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

## SECTION 4.0

## FIRST AID MEASURES

### FIRST AID MEASURES

#### Eye contact

Rinse immediately with plenty of water for at least 15 minutes and consult a physician.

#### Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use.

#### Inhalation

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.



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## Ingestion

If swallowed, call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

<b>SECTION 5.0</b>	<b>FIRE-FIGHTING MEASURES</b>
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### FLAMMABLE PROPERTIES

#### Fire/explosion

NFPA Class IIIA combustible liquid

#### Suitable extinguishing media

Water spray or fog, foam, dry chemical, CO<sub>2</sub>

#### Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

#### Further information

Keep containers and surroundings cool with water spray.

<b>SECTION 6.0</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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### ACCIDENTAL RELEASE MEASURES

#### Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

<b>SECTION 7.0</b>	<b>HANDLING AND STORAGE</b>
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### HANDLING AND STORAGE

#### Safe handling advice

Ensure all equipment is electrically grounded before beginning transfer operations

#### Storage/Transport pressure

Ambient

#### Storage/Transport pressure

Ambient

#### Load/Unload temperature

Ambient



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<b>SECTION 8.0</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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## Engineering Measures

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

## Personal Protective Equipment

### Eyes

Wear as appropriate: Goggles, Face-shield

### Skin

Wear suitable protective clothing, gloves and eye/face protection.

### Inhalation

Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

## Exposure Guidelines

Contains no substances with occupational exposure limit values. Our supplier recommends an internal limit of 100 ppm (525 mg/m<sup>3</sup>) for 8-hour TWA (Exposure limits for Petroleum Distillate - Stoddard Solvent).

<b>SECTION 9.0</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance</b>	Liquid
<b>Color</b>	Clear
<b>Form</b>	Liquid
<b>Odor</b>	Hydrocarbon-like
<b>Odor threshold</b>	No data available
<b>Flash point</b>	Average 79°C, (174°F); TAG
<b>Flammability</b>	
<b>Upper explosion limit</b>	7.0 %(V)
<b>Lower explosion limit</b>	0.6 % (V)
<b>Boiling point/boiling range</b>	213 - 232°C, (416 - 449°F); ASTM D-86;
<b>Melting point/range</b>	-70°C, (-94°F); ASTM D 2386
<b>Auto-ignition temperature</b>	231°C, (448°F) ASTM E 659
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapor pressure</b>	<0.05 mm Hg @ 20°C, (68°F); ASTM D 2879-86



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<b>Vapor density</b>	5.9
<b>Density</b>	0.810 g/cm <sup>3</sup> @ 15.5 °C, (60 °F); ASTM D 287;
<b>Specific gravity</b>	No data available
<b>Water Solubility</b>	Negligible
<b>Viscosity</b>	2.4 cSt @ 20°C, (68°F)
<b>pH</b>	no data available
<b>Evaporation rate</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available

## SECTION 10.0

## STABILITY AND REACTIVITY

### Reactivity

Stable at normal ambient temperature and pressure.

### Chemical stability

No decomposition if stored and applied as directed

### Conditions to avoid

Keep away from heat and sources of ignition.

### Materials to avoid

Oxidizing agents

### Hazardous decomposition products

Hazardous gases and vapors produced in fire are oxides of carbon.

### Hazardous polymerization

None.

## SECTION 11.0

## TOXICOLOGICAL INFORMATION

### Acute dermal toxicity

LD<sub>50</sub> Rabbit: 2,000 – 4,000 mg/kg

### Acute inhalation toxicity

LC<sub>50</sub> Rat: (4 hours): > 6.8 mg/l

All rats survived at indicated concentration

### Acute oral toxicity

LD<sub>50</sub> Rat: > 5,000 mg/kg

### Skin corrosion/irritation

Primary irritation (rabbit): 2.2 (Max. score is 8.0.)

### Eye damage/irritation



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Primary irritation (rabbit): 1 hour, 3.3 (Max. score is 110.)

## Respiratory or skin sensitization

No data available

## Germ Cell Mutagenicity

### Genotoxicity in vitro:

No data available

### Genotoxicity in vivo:

No data available

### Assessment Mutagenicity:

No data available

## Reproductive toxicity

### Reproductive toxicity

No data available

### Assessment Reproductive toxicity:

No data available

### Teratogenicity:

No data available

### Assessment teratogenicity:

No data available

## Single target organ toxicity - single exposure

No data available

## Single target organ toxicity - repeated exposure

No data available

## Aspiration toxicity

May be fatal if swallowed and enters airways

## Carcinogenicity

### Assessment carcinogenicity

Contains no ingredient listed as a carcinogen

<b>SECTION 12.0</b>	<b>ECOLOGICAL INFORMATION</b>
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## Aquatic toxicity

Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility

## Toxicity to fish

No data available

## Toxicity to aquatic invertebrates

No data available

## Toxicity to algae



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No data available

## Chronic toxicity to fish

No data available

## Chronic toxicity to aquatic invertebrates

No data available

## Biodegradation

Readily biodegradable.

OECD Test Guideline 301F (28 d): 85 % Test substance: Sasol LPA® 170 Solvent

## Bioaccumulation

No data available

## Mobility in soil

No data available

## Other adverse effects

No data available

## SECTION 13.0

## DISPOSAL CONSIDERATIONS

### Waste Code

Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations

### Disposal methods

Dispose of only in accordance with local, state, and federal regulations

### Empty containers

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed

## SECTION 14.0

## TRANSPORT INFORMATION

**DOT**

Not regulated Product does not sustain combustion (49 CFR 173.120(b)(3))



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**IATA** Not regulated

**IMDG** Not regulated

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

No data available

## SECTION 15.0

## REGULATORY INFORMATION

### US Federal regulations

#### OSHA Hazards (HCS 1994)

Combustible liquid

#### TSCA Inventory Listing

Components	CAS Number
Distillates, petroleum, hydrotreated light	64742-47-8

#### SARA 302 Status

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

#### SARA 311/312 Classification

Fire hazard

Immediate (acute) health hazard

#### SARA 313 Chemical.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

None

### US State Regulations

#### California Prop. 65

None

### International regulations

#### Canada

##### WHMIS hazard composition

Class B, Division 3: Combustible liquid

#### European Union

##### Classification according to Regulation (EU) 1272/2008.

Aspiration hazard, Category 1

Repeated exposure may cause skin dryness or cracking





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## International Inventories

<u>Country or region</u>	<u>Inventory Name</u>	<u>Status</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Listed
Canada	Domestic Substances List (DSL)	Listed
Canada	Non-Domestic Substances List (NDSL)	Not Listed
China	Inventory of Existing Chemical Substances in China (IECSC)	Listed
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Listed
Japan	Industrial Safety & Health Law (ISHL) Inventory	Listed
Korea	Existing Chemicals List (ECL)	Listed
Mexico	National Inventory of Chemical Substances (INSQ)	Listed
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Listed
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Listed
Switzerland	Inventory of Notified New Substances (CHINV)	Listed
Taiwan	National Existing Chemical Inventory (NECI)	Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

SECTION 16.0	OTHER INFORMATION
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## HAZARD RATINGS

	Health	Flammability	Physical Hazard/Instability
HMIS®	1	2	0
NFPA	1	2	0

## Abbreviations

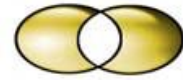
ACGIH = American Conference of Governmental Industrial Hygienists; ADR = European Road Transport; AICS = Australia Inventory of Chemical Substances; ASTM = American society of Testing and Materials; ATE = Acute Toxicity Estimation: AU



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= Australia; Autoignition Temperature = The minimum temperature required to initiate combustion in air with no other source of ignition, BCF = Bioconcentration Factor; BEL = - 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, 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 Observed 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)

## Disclaimer



# SAFETY DATA SHEET

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