

SAFETY DATA SHEET

SECTION 1.0	PRODUCT AND COMPANY IDENTIFICATION
--------------------	---

Product Identifier

UNIAROM® TX 270 HC

Other means of identification

High Flash Aromatic Solvent

Recommended use (identified)

Industrial solvent

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
--------------------	---------------------------------

GHS label elements**Signal word****Danger****Hazard statement**

May cause cancer

Category 1B



SAFETY DATA SHEET

Precautionary statement

Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required

Response

- If exposed or concerned. Get medical advice/attention

Storage

- Store locked up

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, catalytic reformer fractionator residue, intermediate-boiling	100	68477-30-5
Naphthalene	0.1 – 1.0	91-20-3

This product can contain Polycyclic Aromatic Hydrocarbons (PAHs) identified by IARC as carcinogens; Acenaphthene, Acenaphthylene Anthracene, Benzo(a)anthracene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenathrene, Pyrene

SECTION 4.0

FIRST AID MEASURES

Description of necessary first aid measures

General Advise

- Provide this SDS to medical personnel for treatment

Eye contact

- Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician,

Skin contact

- IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.



SAFETY DATA SHEET

Ingestion

Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician immediately.

Most important symptoms and effects

May cause eye, skin and respiratory tract irritation

Indication of immediate medical attention and special treatment needed

Notes to physician

Treat symptomatically

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

Suitable extinguishing media

Regular foam or carbon dioxide or dry chemical

Unsuitable extinguishing media

High volume water jet. Water or foam may cause frothing

Specific hazards arising from the chemical

Dangerous gases of fumes may occur in case of fire. Avoid sparks, welding and cutting on or near drums (or its residue) because product (or its residue) can ignite explosively.

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Use standard firefighting procedures and consider the hazards of other involved materials. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water may be used to cool closed containers to prevent pressure buildups and possible ignition or explosion when exposed to extreme heat. Do not allow run-off from fire-fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. Collect spillage.



SAFETY DATA SHEET

Methods and materials for containment and cleaning up

Containment

Prevent further leakage or spillage, if safe to do so.

Clean-up

Dike far ahead of liquid spill for later disposal. Absorb with inert material or sweep up, and then place in suitable container for chemical waste.

SECTION 7.0

HANDLING AND STORAGE

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed and store in cool, dry and well-ventilated place. Store locked up. Avoid strong oxidizing agents.

SECTION 8.0

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Naphthalene	STEL: 15 ppm	TWA: 10 ppm	IDLH: 250 ppm
91-20-3	TWA: 10 ppm	TWA: 50 mg/m ³	TWA: 10 ppm
	S*	(vacated) TWA: 10 ppm	TWA: 50 mg/m ³
		(vacated) TWA: 50 mg/m ³	STEL: 15 ppm
		(vacated) STEL: 15 ppm	STEL: 75 mg/m ³
		(vacated) STEL: 75 mg/m ³	

Appropriate engineering controls

Maintain eye wash fountain and quick drench facilities in work area

Individual protection measures

Eye/Face Protection

Safety goggles

Skin and Body Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls as appropriate to prevent skin contact.



SAFETY DATA SHEET

Respiratory Protection

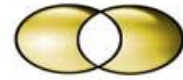
In the case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

General Hygiene Considerations

Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action on Section 4 of this SDS. Launder contaminated clothing before reuse.

SECTION 9.0	PHYSICAL AND CHEMICAL PROPERTIES
--------------------	---

Physical state	Liquid
Appearance	Light brown liquid
Color	Light brown
Odor	Aromatic
Odor threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Initial boiling point/boiling range	>176.66 °C (450 °F)
Flash point, COC	>148.88 °C (300 °F)
Evaporation rate	Not determined
Flammability (solid, gas)	Liquid – not applicable
Lower and upper explosive (flammable) limits	Not determined
Vapor pressure @ 25 °C (77 °F)	<1 mmHg
Vapor density	Heavier than air
Specific gravity, @ 15.5 °C (60 °F)	> 1.0
Water Solubility	Not soluble
Solubility in other solvents	Not determined
Partition coefficient	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity @ 40 °C (104 °F)	>4 < 225 cSt
Explosive Properties	Not determined
Oxidizing Properties	Not determined



SAFETY DATA SHEET

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

Reactivity

Not reactive under normal conditions

Chemical stability

Stable under recommended storage conditions

Possibility of hazardous reactions

None under normal processing

Hazardous polymerization does not occur.

Conditions to avoid

Ignition sources

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Carbon oxides

SECTION 11.0	TOXICOLOGICAL INFORMATION
---------------------	----------------------------------

Information on likely routes of exposure**Eye Contact**

Moderately irritating to the eyes

Skin Contact

May cause moderate irritation to skin. Prolonged or repeated contact may cause irritation, defatting dermatitis.

Inhalation

Avoid breathing vapors or fumes

Ingestion

May cause discomfort if swallowed

Component Information

Naphthalene (91-20-3)

Oral LD₅₀ Rat 490 mg/kg

Dermal LD₅₀ Rabbit >20 g/kg

Inhalation LC₅₀ Rat 1 hr. >340 mg/m³



SAFETY DATA SHEET

Information on physical, chemical and toxicological effects

Symptoms

Please see Section 4 of this SDS for symptoms

Delayed and immediate effects as well as chronic effects from short and long term exposure

Carcinogenicity

May cause cancer. This product can contain Polycyclic Aromatic Hydrocarbons (PAHs) identified by IARC as carcinogens; Acenaphthene, Acenaphthylene Anthracene, Benzo(a)anthracene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenathrene, Pyrene Naphthalene (91-20-3)

ACIGH --

IARC Group 2B – Possible carcinogen to humans

NTP Reasonably anticipated to be a human carcinogen

OSHA Present

Numerical measures of toxicity

Not determined

SECTION 12.0

ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

Naphthalene (91-20-30)

Fish

5.74 – 6.44	96 h Pimephales promelas mg/l LC ₅₀ flow through
1.6	96 h Oncorhynchus mykiss mg/l LC ₅₀ flow through
0.91 – 2.82	96 h Oncorhynchus mykiss mg/l LC ₅₀ static
1.99	96 h Pimephales promelas mg/l LC ₅₀ static
31.0265	96 h Lepomis macrochirus mg/l LC ₅₀ static

Crustacea

2.15	48 h Daphnia magna mg/l LC ₅₀
1.96	48 h Daphnia magna mg/l EC ₅₀ flow through
1.09 – 3.4	48 h Daphnia magna mg/l EC ₅₀ static

Persistence and degradability

Not determined

Bioaccumulative potential

Not determined



SAFETY DATA SHEET

Mobility in soil (Partition Coefficient)

Component Information

Naphthalene (91-20-3): 3.3

Other adverse effects

Hazardous Air Pollutant

Naphthalene

2-Methylnaphthalene

SECTION 13.0

DISPOSAL CONSIDERATIONS

Disposal of Wastes/Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations

US EPA Waste Number

Naphthalene (91-20-3)

RCRA

U165

RCRA – Basis for Listing

Include in waste streams: F024,F025, F034, F039, K001, K035, K060, K087, K145

RCRA – U Series Wastes

U165

RCRA – F Series Wastes

Toxic waste, waste number F025; Waste description: Condensed light ends, spent filters and filter aids and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.

California Hazardous Waste Status

Naphthalene (91-20-3) Toxic

SECTION 14.0

TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated



SAFETY DATA SHEET

IMDG

Not regulated

Note: Please see current shipping papers for most up to date shipping information, including exemptions and special circumstances

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

US Federal regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40CFR302)

Naphthalene (91-20-3)	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
	100lb		100 lb. to final RQ
			45.4 kg to final RQ
	1 lb.		1 lb. to final RQ
			0.454 kg to final RQ

SARA 311/312 Hazard Categories

Acute Health Hazard Yes

Chronic Health Hazard Yes

SARA 313

This product is not a chemical which is subject to the reporting requirements of the Act and 40CFR Part 372

Chemical Name CAS No.	Weight %	SARA 313 Threshold Values %
Naphthalene 91-20-3	0.1 – 1.0	0.1

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40CFR122.21) and 40 CFR122.42

Chemical Name CAS No.	CWA Reportable Quantities	CWA Toxic Pollutants	CWA Priority Pollutants	CWA Hazardous Substances
Naphthalene 91-20-3	100 lb.	X	X	X



SAFETY DATA SHEET

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Naphthalene (91-20-3) Carcinogen

US State Right-to-Know Regulations

Naphthalene (91-20-3)

New Jersey	X
Massachusetts	X
Pennsylvania	X

International Inventories

Country	Distillates, petroleum, catalytic reformer fractionator residue, intermediate-boiling (68477-30-5)	Naphthalene (91-20-3)
US – TSCA	Present	Present
Canada – DSL	X	X
Canada – NDSL		
Europe – EINECS	Present	Present
Europe – ELINCS		
Japan – ENCS		Present
China – IECSC	X	X
Korea – KECL	Present	Present
Philippines – PICCS		X
Australia -- AICS	X	X

SECTION 16.0

OTHER INFORMATION

NFPA rating

Health	Flammability	Instability	Special Hazards
2	1	0	Not determined

Hazardous Material Information System (U.S.A.)

Health	Flammability	Physical Hazards	Personal Protection
2	1	1	Not determined



SAFETY DATA SHEET

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; 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; 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, 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; 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, 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_HPVS = 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; 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; vPvB = very Persistent and very Bioaccumulative; WHMIS = Worker Hazardous Materials Information System (Canada)



SAFETY DATA SHEET

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.