



# SAFETY DATA SHEET

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

UNINAP® 550 ER

**Recommended use (identified)**

Tire Oils, Rubber Compounding, Automotive & Industrial Hoses, Dedusting, Plasticizer, Titanium Dioxide Wash, Compressor Wash Oils, Hydraulic Fracturing Oil, Adhesives, Carpet Backing, Feed Stock for White Oil, Refrigeration Oil, Diluents and Carriers, Carbon Black, Banbury Dust Stop, Defoamers, Sealants, Belts & Hoses, Coatings, Leather Tanning, Agriculture Oils.

**Uses Advised Against**

None known.

**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>SECTION 2.0</b>	<b>HAZARD(S) IDENTIFICATION</b>
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**Physical Hazards**

Not classified.

**Health Hazards**

Not classified.

**Environmental Hazards**

Not classified

**OSHA Defined Hazards**

Not classified

**Label Elements**
**Hazard symbol**

None.

**Signal word**

Not applicable.

**Hazard statement**

Not applicable.

**Precautionary Statement**
**Prevention**



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Not applicable.

**Response**

Not applicable.

**Storage**

Not applicable.

**Disposal**

Not applicable.

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Supplemental Information**

None

<b>SECTION 3.0</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**CAS number/other identifiers**

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

**Composition Comments**

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces finished oil with a viscosity near 500 SUS at 100°F.

<b>SECTION 4.0</b>	<b>FIRST AID MEASURES</b>
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**Description of necessary first aid measures**

**Eye contact**

Flush thoroughly with water. If irritation occurs, get medical assistance.

**Inhalation**

Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.

**Skin contact**

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.

**Ingestion**

Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

**Most important symptoms, acute and delayed**

Defatting of the skin

**Indication of immediate medical attention and special treatment needed**

Treat symptomatically.

**General Information**

Contact physician if discomfort continues.



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<b>SECTION 5.0</b>	<b>FIRE-FIGHTING MEASURES</b>
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### Suitable extinguishing media

Halon. Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.

### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

### Specific hazards arising from the chemical

No unusual fire or explosion hazards noted.

### Special protective equipment and precautions for firefighters

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

### Fire Fighting Equipment/Instructions

Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use pressurized air mask if product is involved in a fire.

### General Fire Hazards

No unusual fire or explosion hazards noted. Flammability Class: Combustible IIIB.

<b>SECTION 6.0</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

#### 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".

### Methods and materials for containment and cleaning up

#### Small spill

Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

#### Large spill

Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth or absorbent material then place into containers. Following product recovery, flush area with water.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.



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<b>SECTION 7.0</b>	<b>HANDLING AND STORAGE</b>
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### Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.

### Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in a well-ventilated place.

<b>SECTION 8.0</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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### Exposure controls

Material		Type	Value	Form
UNINAP <sup>®</sup> 550 ER	<b>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</b>	PEL	5 mg/m <sup>3</sup>	Mist
	<b>US. ACGIH Threshold Limit Value</b>	TWA	5 mg/m <sup>3</sup>	Inhalable fraction
	<b>US. NIOSH: Pocket Guide to Chemical Hazards</b>	Ceiling	1800 mg/m <sup>3</sup>	
		STEL	10 mg/m <sup>3</sup>	Mist
Components		Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	<b>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</b>	PEL	5 mg/m <sup>3</sup>	Mist
	<b>US. ACGIH Threshold Limit Value</b>	TWA	5 mg/m <sup>3</sup>	Inhalable fraction
	<b>US. NIOSH: Pocket Guide to Chemical Hazards</b>	Ceiling	1800 mg/m <sup>3</sup>	
		STEL	10 mg/m <sup>3</sup>	Mist

### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

### Appropriate Engineering Controls

Adequate ventilation should be provided whenever the material is heated, or mists are generated. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Individual Protective Measures, such as Personal Equipment

#### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.



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## Eye/face protection

Goggles/face shield are recommended.

## Hand protection

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

## Other

Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.

## Respiratory protection

Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators.

## Thermal hazards

Not available.

<b>SECTION 9.0</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance</b>	Clear & Bright
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Light amber.
<b>Odor</b>	Mild Petroleum Odor.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	-31.7°F (-35.39°C) ASTM D5949
<b>Initial boiling point and boiling range</b>	583°F (306.11°C) ASTM D2887/ ISO 3294
<b>Flash point</b>	408.0°F (208.9°C) Pensky-Martens Closed Cup ASTM D93 421.0°F (216.1°C) Cleveland Open Cup ASTM D92/ ISO 2592
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Lower and upper explosive (flammable) limits</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	>5
<b>Relative density</b>	0.91 (60°F (15.56°C) ASTM D4052/ ISO 12185)
<b>Solubility (water)</b>	Insoluble.
<b>Partition coefficient n-octanol/water</b>	Not established.
<b>Auto-ignition temperature</b>	> 600°F (> 315.56°C) ASTM E659
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	97.2 cSt (104°F (40°C) ASTM D445/ ISO 3104)

<b>SECTION 10.0</b>	<b>STABILITY AND REACTIVITY</b>
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## Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

## Chemical stability

Stable.



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## Possibility of hazardous reactions

Hazardous polymerization does not occur.

## Conditions to avoid

Heat, flames and sparks. Avoid temperatures exceeding the flash point.

## Incompatible materials

Strong oxidizing agents.

## Hazardous decomposition products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## SECTION 11.0

## TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

May be harmful if inhaled. However, this product does not currently meet the criteria for classification.

#### Skin contact

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

#### Eye contact

May be irritating to eyes.

#### Ingestion

May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.

### Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Not available.

### Information on Toxicological Effects

#### Acute toxicity

Not classified.

#### Skin corrosion/irritation

Not classified. May cause defatting of the skin but is neither an irritant nor a sensitizer.

#### Serious eye damage/eye irritation

Not classified.

#### Respiratory sensitization

Not classified.

#### Skin sensitization

Not classified.

#### Sensitization

Not available.

#### Germ cell mutagenicity

Non-mutagenic based on Modified Ames Assay.

#### Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.



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## US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

### Reproductive toxicity

Contains no ingredient listed as toxic to reproduction.

### Specific target organ toxicity (single exposure)

Not classified.

### Specific target organ toxicity (repeated exposure)

Not classified.

### Aspiration hazard

Not classified.

### Chronic Effects

Prolonged or repeated contact may cause drying, cracking, or irritation of the skin.

<b>SECTION 12.0</b>	<b>ECOLOGICAL INFORMATION</b>
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#### Ecotoxicity

Not expected to be harmful to aquatic organisms.

#### Persistence and Degradability

Not inherently biodegradable.

#### Bioaccumulative Potential

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

#### Mobility in Soil

Not available.

#### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

<b>SECTION 13.0</b>	<b>DISPOSAL CONSIDERATIONS</b>
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#### Disposal Instructions

When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal

#### Hazardous Waste Code

Not applicable.

#### Waste from Residues/Unused Products

Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.

#### Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.



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<b>SECTION 14.0</b>	<b>TRANSPORT INFORMATION</b>
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**DOT Classification**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL, 73/78 and the IBC Code****General information**

Not regulated as dangerous goods.

<b>SECTION 15.0</b>	<b>REGULATORY INFORMATION</b>
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**US Federal regulations**

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

**SARA 302 Extremely hazardous substance**

Not listed

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

Not listed

**SARA 311/312 Hazardous Chemical**

No.

**SARA 313 (TRI reporting)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**US State Regulations****California**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986

(Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.





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## International Regulations

### National Inventory

<b>Australia AICS</b>	This material is listed or exempted.
<b>Canada DSL</b>	This material is listed or exempted.
<b>Canada NDSL</b>	This material is not listed or exempted.
<b>China IECSC</b>	This material is listed or exempted.
<b>Europe EINECS</b>	This material is listed or exempted.
<b>Europe ELINCS</b>	This material is not listed or exempted.
<b>Japan (ENCS)</b>	This material is listed or exempted.
<b>Malaysia</b>	This material is listed or exempted.
<b>New Zealand</b>	This material is listed or exempted.
<b>Philippines PICCS</b>	This material is listed or exempted.
<b>Republic of Korea ECL</b>	This material is listed or exempted.
<b>Taiwan</b>	This material is listed or exempted.
<b>United States TSCA</b>	This material is listed or exempted.

## SECTION 16.0

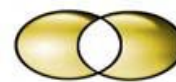
## OTHER INFORMATION

### NFPA Ratings

Health	1
Flammability	1
Instability	0

### 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; 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; 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<sub>x</sub> = 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; HNOC = Hazards Not Otherwise Classified, IARC = International Agency for Research on Cancer; IATA =



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International Air Transport Association; IBC = Intermediate Bulk Container; IC<sub>50</sub> = Inhibitory Concentration fifty; ICAO = International Civil Aviation Organization; IDL = Ingredient Disclosure List; IDLH = Immediately Dangerous to Life and Health; IL<sub>50</sub> = 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; Korea ECI = Korea Existing Chemicals Inventory, LC<sub>50</sub> = Lethal Concentration (gases) which kills 50% of the exposed animals, LD<sub>50</sub> = 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; 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/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, 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; 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, STEL = Short Term Exposure Limit (15 minutes); 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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