



# SAFETY DATA SHEET

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

UNIPAR® 100 TOM

**Recommended use (identified)**

Base oil

**Uses Advised Against**

This product must not be used in applications other than those listed in Section 1 without first seeking the advice of the supplier.

**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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**United States (US)**

According to: OSHA 29 CFR 1910.1200 HCS

**Classification of the Substance or Mixture****OSHA HCS 2012**

Aspiration 1

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

May be fatal if swallowed and enters airways.

**Precautionary Statements****Response**

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.  
Do NOT induce vomiting.

**Storage/Disposal**



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Store locked up.

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## HCS 2012 Other Information

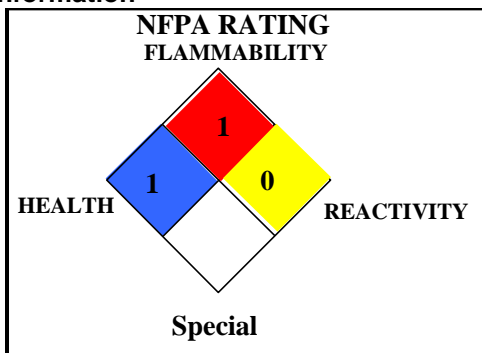
Repeated exposure may cause skin dryness or cracking.

Used oil may contain harmful impurities.

## Hazards not Otherwise Classified

Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Other Information



## SECTION 3.0

## COMPOSITION/INFORMATION ON INGREDIENTS

### Substance/Mixture

Material does not meet the criteria of a mixture.

### CAS Number

Chemical Name	%	CAS number
Hydrotreated heavy paraffinic petroleum distillate	100	64742-54-7

The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346. The chemical nature of the substance is highly refined mineral oil.

## SECTION 4.0

## FIRST AID MEASURES

### Description of Necessary First Aid Measures

#### Eye contact

In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

#### Inhalation

Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

If signs/symptoms continue, get medical attention.

#### Skin contact



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In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove clothing and wash thoroughly before use. If irritation develops and persists, get medical attention.

## Ingestion

If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (38.3°C), shortness of breath, chest congestion or continued coughing or wheezing. Do NOT induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

## Most Important Symptoms, Acute and Delayed

Refer to Section 11 – Toxicological Information

## Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

### Notes to physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## SECTION 5.0

## FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

LARGE FIRE: Water spray, fog or regular foam.

SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

### Unsuitable Extinguishing Media

Do not use water in a jet.

### Unusual Fire and Explosion Hazards

No data available.

### Hazardous Thermal Decomposition Products

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and inorganic compounds.

### Advice for Firefighters

Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

## SECTION 6.0

## ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

#### Personal precautions

Do not walk through spilled material. Slippery when spilt. Wear appropriate personal protective equipment, avoid direct contact.

#### Emergency procedures

Keep unauthorized personnel away. Stay upwind.

#### Environmental Precautions

Avoid run off to waterways and sewers.

#### Methods and Materials for Containment and Cleaning Up

Stop leak if you can do it without risk.



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## Small spill

Take up with sand or other non-combustible absorbent material and place into containers for later disposal

## Large spill

Dike far ahead of liquid spill for later disposal.

## SECTION 7.0

## HANDLING AND STORAGE

### Precautions for Safe Handling

#### Handling

Use only with adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapors and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. When handling product in drums, safety footwear should be worn, and proper handling equipment should be used. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.

#### Conditions for Safe Storage, including any incompatibilities

Keep container tightly closed. Store in a cool, well-ventilated place. Use properly labeled and closable containers. For containers or container linings, use mild steel or high-density polyethylene. Do not use PVC.

## SECTION 8.0

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Ingredient name	Exposure limits	
Hydrotreated heavy paraffinic petroleum distillate	ACGIH	5 mg/m <sup>3</sup> TWA (excluding metal working fluids, inhalable particulate matter) as Mineral oil, highly and severely refined

### Appropriate Engineering Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Environmental Exposure controls

Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

### Individual Protective Measures, such as Personal Protective Equipment

#### Eye/Face protection

Wear protective eyewear (goggles, face shield, or safety glasses).

#### Skin/Body protection

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection. PVC, neoprene or nitrile rubber gloves Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity.

#### Respiratory protection



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In case of insufficient ventilation, wear suitable respiratory equipment. Where air filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapors [Type A/Type P boiling point >65°C (149°F)] meeting EN14387 and EN143.

<b>SECTION 9.0</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Physical form</b>	Liquid
<b>Appearance/Description</b>	Clear liquid with a slight hydrocarbon odor.
<b>Color</b>	Clear
<b>Odor</b>	Slight hydrocarbon.
<b>Odor threshold</b>	No data available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	No data available.
<b>Initial boiling point</b>	> 208°C (> 406.4°F)
<b>Flash point</b>	> 199°C (> 390.2°F) COC (Cleveland Open Cup)
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	No data available.
<b>Vapor pressure</b>	< 0.0005 kPa @ 20°C(68°F)
<b>Vapor density</b>	No data available.
<b>Specific gravity/Relative density</b>	0.83 @15°C (59°F) Water=1
<b>Density</b>	830 kg/m <sup>3</sup> @ 15 °C (59 °F)
<b>Water Solubility</b>	Negligible
<b>Partition coefficient n-octanol/water</b>	No data available.
<b>Auto-ignition temperature</b>	> 320°C (> 608°F)
<b>Decomposition temperature</b>	No data available.
<b>Kinematic Viscosity @ 104°F (40°C)</b>	18 to 22 Centistoke (cSt, cS) or mm <sup>2</sup> /sec

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

No dangerous reaction known under conditions of normal use.

**Chemical Stability.**

Stable under normal temperatures and pressures.

**Possibility of Hazardous Reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Hazardous decomposition products are not expected to form during normal storage.



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<b>SECTION 11.0</b>	<b>TOXICOLOGICAL INFORMATION</b>
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## Information on Toxicological Effects

Hydrotreated heavy paraffinic petroleum distillate (100%) CAS no. 64742-54-7		
<b>Acute Toxicity</b>	Ingestion/Oral-Rat LD <sub>50</sub>	>15 g/kg
	Skin-Rabbit LD <sub>50</sub>	>5 g/kg
<b>Multi-dose Toxicity</b>	Inhalation-Rat TCLo	1000 mg/m <sup>3</sup> 4 Week(s)- Intermittent; <i>Lungs, Thorax, or Respiration: Changes in lung weight</i>

GHS Properties	OSHA HCS 2012 Classification
<b>Acute toxicity</b>	Classification criteria not met.
<b>Skin corrosion/Irritation</b>	Classification criteria not met.
<b>Serious eye damage/Irritation</b>	Classification criteria not met.
<b>Skin sensitization</b>	Classification criteria not met.
<b>Respiratory sensitization</b>	Classification criteria not met.
<b>Aspiration Hazard</b>	Aspiration 1
<b>Carcinogenicity</b>	Classification criteria not met.
<b>Germ Cell Mutagenicity</b>	Classification criteria not met.
<b>Toxicity for Reproduction</b>	Classification criteria not met.
<b>Specific Target Organ Toxicity - Single Exposure</b>	Classification criteria not met.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Classification criteria not met.

## Potential Health Effects

### Inhalation

#### Acute (Immediate)

If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever.

#### Chronic (Delayed)

No data available.

### Skin

#### Acute (Immediate)

Not irritating to skin.

#### Chronic (Delayed)

No data available.

### Eye

#### Acute (Immediate)

Expected to be slightly irritating.

#### Chronic (Delayed)

No data available.

### Ingestion

#### Acute (Immediate)

Material may be aspirated into lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.

#### Chronic (Delayed)

No data available.

## Carcinogenic Effects



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Product contains mineral oils of types shown to be noncarcinogenic in animal skin painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).

<b>SECTION 12.0</b>	<b>ECOLOGICAL INFORMATION</b>
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**Toxicity**

Expected to be practically nontoxic fish. Expected to be practically nontoxic to daphnia and other aquatic invertebrates. Expected to be practically nontoxic to algae.

**Persistence and Degradability**

Expected to be inherently biodegradable.

**Bioaccumulative Potential**

Has the potential to bioaccumulate.

**Mobility in Soil**

Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile.

**Other Adverse Effects**

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

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

**Product waste**

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

<b>SECTION 14.0</b>	<b>TRANSPORT INFORMATION</b>
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	DOT	TDG	IMO/MDG	IATA/ICAO
<b>UN Number</b>	Not Regulated	Not Regulated	Not Regulated	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated	Not Regulated	Not Regulated	Not Regulated
<b>Transport Hazard Class(es)</b>	Not Regulated	Not Regulated	Not Regulated	Not Regulated
<b>Packaging Group</b>	Not Regulated	Not Regulated	Not Regulated	Not Regulated
<b>Environmental Hazards</b>	None	None	None	None

**Special Precautions for User**

None specified.

**Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code**

MARPOL Annex 1 rules apply for bulk shipments by sea.



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<b>SECTION 15.0</b>	<b>REGULATORY INFORMATION</b>
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**US Federal Regulations** Hydrotreated heavy paraffinic petroleum distillate CAS No. 64742-54-7

**SARA Hazard Classification**

Acute

**OSHA - Process Safety Management - Highly Hazardous Chemicals**

Not listed.

**CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

Not listed.

**CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

Not listed.

**CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQ**

Not listed.

**CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

Not listed.

**CERCLA/SARA - Section 313 - Emission Reporting**

Not listed.

**CERCLA/SARA - Section 313 - PBT Chemical Listing**

Not listed.

**US State Regulations** -- Hydrotreated heavy paraffinic petroleum distillate CAS No. 64742-54-7

**New Jersey Right to Know**

No

**Pennsylvania Right to Know**

No

**California Proposition 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**National Inventory** -- Hydrotreated heavy paraffinic petroleum distillate CAS No. 64742-54-7

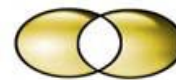
<b>Australia AICS</b>	Yes
<b>Canada DSL</b>	Yes
<b>China</b>	Yes
<b>Japan ENCS</b>	No
<b>New Zealand</b>	Yes
<b>Philippines PICCS</b>	Yes
<b>Republic of Korea</b>	Yes
<b>United States TSCA</b>	Yes

<b>SECTION 16.0</b>	<b>OTHER INFORMATION</b>
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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;





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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<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; IARC = International Agency for Research on Cancer; IATA = 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; KECI = 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, 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

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



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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.