

# Material Safety Data Sheet

**TRADE NAME:** PELEMOL IN-2

Date of Preparation/Revision: 10/19/2009

## Section 1 - Chemical Product and Company Identification

**Product Name:** PELEMOL IN-2  
**Chemical Name:** 3,5,5-Trimethylhexyl-3,5,5-Trimethylhexanoate  
**CAS Number:** 59219-71-5  
**Manufacturer:** PHOENIX CHEMICAL, INC.  
 60 Fourth Street  
 Somerville, NJ 08876  
 Phone (908) 707-0232, FAX (908) 707-0186

CHEMTREC 24-HR EMERGENCY RESPONSE  
 NUMBER:  
 1-800-424-9300  
 INTERNATIONAL CALLS: COLLECT  
 1-703-527-3887  
 CHEMTREC should only be called in the event of chemical  
 emergencies involving a spill, leak, fire, exposure, or  
 accident involving chemicals.

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
3,5,5-Trimethylhexyl-3,5,5-Trimethylhexanoate	59219-71-5	>99 %
Isononanoic Acid	3302-10-10	<0.5%

**Trace Impurities:**

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
None Known	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

## Section 3 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

<b>HMIS</b>
<b>H</b> 1
<b>F</b> 1
<b>R</b> 0
<b>PPE</b> B

### Potential Health Effects

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

This material is registered with TSCA.

Exposure to small quantities is not expected to cause adverse health effects. Good manufacturing practices are always recommended when handling any chemical.

There are no significant laboratory data to suggest any specific hazard to humans.

**Inhalation:** Short-term harmful health effects are not expected from vapor-generated at ambient temperatures.

**Eye Contact:** May cause some moderate eye irritation.

**Skin Contact:** May cause some irritation or discomfort.

**Ingestion:** May cause abdominal discomfort, nausea, vomiting and diarrhea.

**Carcinogenicity:** IARC, NTP, and OSHA do not list this product as a carcinogen.

## Section 4 - First Aid Measures

**Inhalation:** Short-term harmful health effects are not expected from vapor-generated at ambient temperatures. If first aid is required, move victim to fresh air.

**Eye Contact:** May cause some moderate eye irritation. Flush immediately with water for 15 to 20 minutes. Obtain medical attention if severe irritation occurs.

**Skin Contact:** May cause some irritation or discomfort. Remove contaminated clothing. Wash affected area with soap & water.

**Ingestion:** May cause abdominal discomfort, nausea, vomiting and diarrhea. Give two glasses of water. Do not induce vomiting. Obtain medical attention.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

## PELEMOL IN-2

### Section 5 - Fire-Fighting Measures

**Flash Point:** >135°C

**Flash Point Method:** COC

**Flammability Limits:** LEL: not determined

UEL: not determined

**Extinguishing Media:** Foam, water fog, carbon dioxide or dry chemical

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways. Treat as an oil fire.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



### Section 6 - Accidental Release Measures

**Safeguards (Personnel):** Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

**Spill /Leak Procedures:** Large: collect and return to process

Small: collect on absorbent material for disposal

Collect for disposal in accordance with applicable Federal, State, or local regulations.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** (PERSONNEL) Safety glasses and Rubber gloves.

**Storage Requirements:** Keep container tightly closed.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** No special engineering controls are required under normal use.

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec.2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear a SCBA.

*Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are **not** eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance and Odor:** Nearly colorless, odorless

**Vapor Pressure, mm Hg:** N/D

**Vapor Density (Air=1):** >1

**Density:** 7.1 lbs./gal @ 25°C

**Specific Gravity (H<sub>2</sub>O=1, @ 25°C):** 0.852

**pH:** ~6

**Water Solubility:** Insoluble

**Boiling Point:** approx 260°C

**Freezing Point:** < 5°F

**Viscosity:** Low

**Refractive Index:** 1.435

**% Volatile:** Nil

**Evaporation Rate:** N/D

### Section 10 - Stability and Reactivity

**Stability:** Product is **STABLE** at room temperature in closed containers under normal storage and handling conditions.

**Chemical Incompatibilities:** Strong acids, alkalis and oxidizers.

**Hazardous Thermal Decomposition Products:** Oxides of Carbon.

**Hazardous Polymerization:** Will not occur.

**Section 11- Toxicological Information**

A knowledge of the available toxicology information and of the chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

**Section 12 - Ecological Information**

N/A

**Section 13 - Disposal Considerations**

**Disposal:** Contact a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Section 14 - Transport Information****DOT Transportation Data (49 CFR 172.101):**

**DOT Proper Shipping Name:** Not regulated  
**DOT Classification:** N/A

**DOT I.D. #:** N/A  
**UN Hazard Class:** N/A

**Section 15 - Regulatory Information**

**TSCA Inventory Status:** Listed

**EPA Regulations: SARA 311/312 Codes:**

Acute: None  
 Chronic: None  
 Fire: None  
 Reactivity: None  
 Pressure: None

**State Regulations:**

State	Component	CAS #	Wt.
NONE			

**Section 16 - Other Information**

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 FAX: 908-707-0186

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