

# NATERIA MJ 40

SDS # : 31264

## Section 1. Identification

**GHS product identifier** : NATERIA MJ 40

Relevant identified uses of the substance or mixture and uses advised against

**Identified uses**

Motor oil

**Supplier's details** : TotalEnergies Marketing USA, Inc.  
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Houston, TX 77002  
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**Emergency telephone number (with hours of operation)** :

1-866-928-0789 (For Emergencies, call CARECHEM 24/7 Domestic)  
1-215-207-0061 (For Emergencies, call CARECHEM 24/7 International)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : TOXIC TO REPRODUCTION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

GHS label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : Suspected of damaging fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure. (liver)

Precautionary statements

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapor.

**Response** : IF exposed or concerned: Get medical advice or attention.

**Storage** : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

Ingredient name	% (w/w)	Identifiers	GHS Classification
Distillates (petroleum), hydrotreated heavy paraffinic	≥75 - ≤90	CAS: 64742-54-7	Not classified.
Distillates (petroleum), solvent-dewaxed light paraffinic	≤3	CAS: 64742-56-9	ASPIRATION HAZARD - Category 1
C14-16-18 Alkyl phenol	≤3	-	SKIN SENSITIZATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	≤3	CAS: 68411-46-1	TOXIC TO REPRODUCTION - Category 2
Distillates (petroleum), hydrotreated heavy paraffinic	≤1	CAS: 64742-54-7	ASPIRATION HAZARD - Category 1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**Additional information** : Mineral oil of petroleum origin. Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## Most important symptoms/effects, acute and delayed

### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation.
- Ingestion** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
dryness  
cracking  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

## Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : carbon monoxide  
carbon dioxide  
nitrogen oxides  
phosphorus oxides  
sulfur oxides  
Hydrogen sulfide  
Mercaptans  
Zinc oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Remark** : Non-flammable.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : ☒ No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- 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".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : ☒ Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- ☒ See Section 10 for incompatible materials before handling or use.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Product/substance	Exposure limits
Distillates (petroleum), hydrotreated heavy paraffinic	<b>NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]</b> TWA 10 hours: 5 mg/m <sup>3</sup> . Form: Mist. STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: Mist. <b>OSHA PEL (United States, 5/2018) [Oil mist, mineral]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . <b>ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4.</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction.
Distillates (petroleum), solvent-dewaxed light paraffinic	<b>NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]</b> TWA 10 hours: 5 mg/m <sup>3</sup> . Form: Mist. STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: Mist. <b>OSHA PEL (United States, 5/2018) [Oil mist, mineral]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . <b>ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4.</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction.
C14-16-18 Alkyl phenol Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	None. <b>ACGIH TLV (United States)</b> TWA: 3 mg/m <sup>3</sup> . Form: Respirable dust. TWA: 10 mg/m <sup>3</sup> . Form: Total dust.
Distillates (petroleum), hydrotreated heavy paraffinic	<b>NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]</b> TWA 10 hours: 5 mg/m <sup>3</sup> . Form: Mist. STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: Mist. <b>OSHA PEL (United States, 5/2018) [Oil mist, mineral]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . <b>ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4.</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction.

### Biological exposure indices

No exposure indices known.

### Advisory OEL

: Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m<sup>3</sup>, NIOSH (REL) TWA 5 mg/m<sup>3</sup>, STEL 10 mg/m<sup>3</sup>, ACGIH (TLV) TWA 5 mg/m<sup>3</sup> (highly refined)

### Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye/face protection</b>	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
<b>Skin protection</b>	
<b>Hand protection</b>	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Hydrocarbon-proof gloves Fluorinated rubber nitrile rubber Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
<b>Body protection</b>	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	: Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces. In case of insufficient ventilation, wear suitable respiratory equipment. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

## Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature (20°C / 68°F) and pressure (1013 hPa) unless otherwise indicated

### Appearance

<b>Physical state</b>	: Liquid. [limpid]
<b>Color</b>	: Clear.
<b>Odor</b>	: Characteristic.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: Not applicable.
<b>Melting point/freezing point</b>	: Technically not possible to measure
<b>Pour point</b>	: -30°C (-22°F)
<b>Boiling point</b>	: >316°C (>600.8°F) [EN ISO 3405]
<b>Flash point</b>	: Open cup: 280°C (536°F) [ASTM D 92]
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Non-flammable.
<b>Lower and upper explosive (flammable) limits</b>	: Lower: 0.9% Upper: 7%
<b>Vapor pressure</b>	: <0.01 kPa (<0.075 mm Hg) [room temperature] Not applicable. [50°C]
<b>Vapor density</b>	: >2 [Air = 1]



Relative density : 0.891 [ISO 12185]  
 Density : 0.891 g/cm<sup>3</sup> [15°C] [ISO 12185]  
 Solubility(ies) :

Media	Result
water	Not soluble

Miscible with water : No.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : >280°C (>536°F) [ASTM E 659]

Decomposition temperature : Not applicable.

Viscosity : Dynamic (room temperature): Not available.  
 Kinematic (room temperature): Not available.  
 Kinematic (40°C (104°F)): 138.6 mm<sup>2</sup>/s (138.6 cSt) [ISO 3104]

Flow time (ISO 2431) : Not available.

## Particle characteristics

Median particle size : Not applicable.

## Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : Stable under recommended storage and handling conditions (see Section 7).

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/substance	Result
Distillates (petroleum), hydrotreated heavy paraffinic	<b>Rat - Male, Female - Oral - LD50</b> >5000 mg/kg OECD [401 Read across] <b>Rabbit - Dermal - LD50</b> >5000 mg/kg OECD [402 Read across] <b>Rat - Inhalation - LC50 Dusts and mists</b> >5 mg/l [4 hours] OECD [403 Read across]

Distillates (petroleum), solvent-dewaxed light paraffinic	<b>Rat - Oral - LD50</b> >5000 mg/kg OECD [401] <b>Rabbit - Dermal - LD50</b> >5000 mg/kg OECD [402] <b>Rat - Inhalation - LC50 Dusts and mists</b> >5 mg/l [4 hours] OECD [403]
C14-16-18 Alkyl phenol	<b>Rat - Oral - LD50</b> 2000 mg/kg <b>Rat - Dermal - LD50</b> 2000 mg/kg
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	<b>Rat - Male, Female - Oral - LD50</b> >5000 mg/kg OECD [401]
Distillates (petroleum), hydrotreated heavy paraffinic	<b>Rat - Male, Female - Oral - LD50</b> >5000 mg/kg OECD [401 Read across] <b>Rabbit - Male, Female - Dermal - LD50</b> >5000 mg/kg OECD [402 Read across] <b>Rat - Male, Female - Inhalation - LC50 Dusts and mists</b> >5 mg/l [4 hours] OECD [403 Read across]

Based on available data, the classification criteria are not met.

## Skin corrosion/irritation

Based on available data, the classification criteria are not met.

## Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

## Respiratory corrosion/irritation

Based on available data, the classification criteria are not met.

## Respiratory or skin sensitization

### **Skin**

Based on available data, the classification criteria are not met. The supplier of one or more of the components contained within this formulation has indicated that he has data on the components and/or similar mixtures, which confirms that at the concentration used, classification is not required. Contains sensitizer. May produce an allergic reaction.

### **Respiratory**

Based on available data, the classification criteria are not met.

## Germ cell mutagenicity

Based on available data, the classification criteria are not met.

## Carcinogenicity

Based on available data, the classification criteria are not met.

## Reproductive toxicity

Based on available data, the classification criteria are met.

## Specific target organ toxicity (single exposure)

Product/substance	Result



Based on available data, the classification criteria are not met.

## Specific target organ toxicity (repeated exposure)

Product/substance	Result
14-16-18 Alkyl phenol	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (liver) - Category 2

Based on available data, the classification criteria are met.

## Aspiration hazard

Based on available data, the classification criteria are not met.

**Information on the likely routes of exposure** : Not available.

## Potential acute health effects


- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation.
- Ingestion** : No known significant effects or critical hazards.

## Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
dryness  
cracking  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

## Delayed and immediate effects and also chronic effects from short and long term exposure

### Potential chronic health effects

- General** : May cause damage to organs through prolonged or repeated exposure.
- Carcinogenicity** :  During use in engines, contamination of oil with low levels of combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.  
During use in engines, contamination of oil with low levels of combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : Suspected of damaging fertility or the unborn child.

## Other information

:  
Not available.

## Section 12. Ecological information

### Ecotoxicity

Product/substance	Result
Distillates (petroleum), hydrotreated heavy paraffinic	<b>Acute - LL50</b> OECD [202] Crustaceans - <i>Daphnia magna</i> >10000 mg/l [48 hours] Effect: Mobility <b>Acute - LL50</b> OECD [201] Algae - <i>Pseudokirchneriella subcapitata</i> >100 mg/l [72 hours] Effect: (growth rate) <b>Chronic - NOEL</b> Fish - <i>Oncorhynchus mykiss</i> >1000 mg/l [21 days] Effect: Mortality <b>Chronic - NOEL</b> Crustaceans - <i>Daphnia magna</i> 10 mg/l [21 days] Effect: Reproduction <b>Chronic - NOEL</b> OECD [201] Algae - <i>Pseudokirchneriella subcapitata</i> >100 mg/l [72 hours] Effect: (growth rate)
Distillates (petroleum), solvent-dewaxed light paraffinic	<b>Acute - EL50</b> OECD [203] Fish - <i>Pimephales promelas</i> ≥100 mg/l [96 hours] <b>Acute - EL50</b> OECD 202 Crustaceans - <i>Daphnia magna</i> 10000 mg/l [48 hours] Effect: Mobility <b>Acute - EL50</b> OECD 201 Algae - <i>Pseudokirchneriella subcapitata</i> >100 mg/l [72 hours] Effect: (growth rate) <b>Chronic - NOEL</b> OECD [211] Crustaceans - <i>Daphnia magna</i> >1000 mg/l [21 days] Effect: Reproduction <b>Chronic - NOEL</b> OECD [201] Algae - <i>Pseudokirchneriella subcapitata</i> >100 mg/l [72 hours] Effect: (growth rate)

C14-16-18 Alkyl phenol	<b>Acute - EC50</b> OECD [202] Daphnia - <i>Daphnia magna</i> >100 mg/l [48 hours]
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	<b>Acute - LC50 - Fresh water</b> OECD [203] Fish - <i>Danio rerio</i> >100 mg/l [96 hours] <u>Effect:</u> Mortality <b>Acute - EC50 - Fresh water</b> OECD [201] Algae - <i>Desmodesmus subspicatus</i> >100 mg/l [72 hours] <u>Effect:</u> (growth rate)
Distillates (petroleum), hydrotreated heavy paraffinic	<b>Acute - EC50</b> OECD [202] Crustaceans - <i>Daphnia magna</i> >10000 mg/l [48 hours] <u>Effect:</u> Mobility <b>Acute - EC50</b> OECD [201] Algae - <i>Pseudokirchneriella subcapitata</i> >100 mg/l [72 hours] <u>Effect:</u> (growth rate) <b>Chronic - NOEL</b> Crustaceans - <i>Daphnia magna</i> >1000 mg/l [21 days] <u>Effect:</u> Reproduction <b>Chronic - NOEL</b> OECD [201] Algae - <i>Pseudokirchneriella subcapitata</i> >100 mg/l [72 hours] <u>Effect:</u> (growth rate)

## Persistence and degradability

Product/substance	Result
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 301F 31% [28 days] - Not readily
Distillates (petroleum), solvent-dewaxed light paraffinic	OECD 301F 31% [28 days] - Not readily
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	OECD [301B] 1% [28 days]
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 301F 31% [28 days] - Not readily

Product/substance	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated heavy paraffinic	-	-	Not readily
Distillates (petroleum), solvent-dewaxed light paraffinic	-	-	Not readily
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	-	-	Not readily

Distillates (petroleum), hydrotreated heavy paraffinic	-	-	Not readily
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## Bioaccumulative potential

Product/substance	LogK <sub>ow</sub>	BCF	Potential
Distillates (petroleum), solvent-dewaxed light paraffinic	3.1	-	Low
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	5.1	1730	High
Distillates (petroleum), hydrotreated heavy paraffinic	>4	-	High

## Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility in soil** : Given its physical and chemical characteristics, the product generally shows low soil mobility. The product is insoluble and floats on water. Loss by evaporation is limited.

## Other adverse effects

No known significant effects or critical hazards.

## Section 13. Disposal considerations

<b>Disposal methods</b>	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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## Section 14. Transport information

	DOT Classification	IMDG	ICAO/IATA
<b>UN/ID No</b>	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-
<b>Transport hazard class(es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.

## Additional information

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **Clean Water Act (CWA) 307:** Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts

### TSCA 12(b) - Chemical export notification

Not applicable.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : TOXIC TO REPRODUCTION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

#### Composition/information on ingredients

Name	%	Classification
Distillates (petroleum), solvent-dewaxed light paraffinic	≤3	ASPIRATION HAZARD - Category 1
C14-16-18 Alkyl phenol	≤3	SKIN SENSITIZATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	≤3	TOXIC TO REPRODUCTION - Category 2

## State regulations

**Massachusetts** : The following components are listed: OIL MIST, MINERAL; MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED LIGHT PARAFFINIC

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

**California Prop. 65**

To the best of our knowledge, this product does not contain any substances known to the State of California to cause cancer, developmental and/or reproductive harm

**International regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list**

<b>Australia inventory (AIIC)</b>	: All components are listed or exempted.
<b>Canada inventory (DSL/NDSL)</b>	: All components are listed or exempted.
<b>China inventory (IECSC)</b>	: All components are listed or exempted.
<b>Europe inventory (EC)</b>	: All components are listed or exempted.
<b>Japan inventory</b>	: <b>Japan inventory (CSCL)</b> : All components are listed or exempted. <b>Japan inventory (ISHL)</b> : Not determined.
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	: All components are listed or exempted.
<b>Philippines inventory (PICCS)</b>	: All components are listed or exempted.
<b>Korea inventory (KECI)</b>	: All components are listed or exempted.
<b>Taiwan Chemical Substances Inventory (TCSI)</b>	: All components are listed or exempted.
<b>Thailand inventory</b>	: Not determined.
<b>Turkey inventory</b>	: Not determined.
<b>United States inventory (TSCA 8b)</b>	: All components are listed or exempted.
<b>Vietnam inventory</b>	: Not determined.

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

## Section 16. Other information

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

<b>Health</b>	*	2
<b>Flammability</b>		1
<b>Physical hazards</b>		0

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

## National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

## Procedure used to derive the classification

Classification	Justification
TOXIC TO REPRODUCTION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Calculation method

## History

**Date of revision** : 2025/04/24

**previous revision date** : 2024/08/19

**Version** : 2.01

**Key to abbreviations** :

- ACGIH = American Conference of Governmental Industrial Hygienists
- ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- EC50 = Half maximal effective concentration
- EL50 = median Effective Loading
- IATA = International Air Transport Association
- IC50 = Half maximal inhibitory concentration
- IDHL = Immediately dangerous to life or health
- IMDG = International Maritime Dangerous Goods
- LC50 = Median lethal concentration
- LD50 = Median lethal dose
- LL50 = median Lethal Loading
- LogKow = logarithm of the octanol/water partition coefficient
- N/A = Not available
- NIOSH = National Institute of Occupational Safety and Health
- NOAEL = No Observed Adverse Effect Level
- NOEC = No Observed Effect Concentration
- NOEL = No Observed Effect Level
- NOELR = No observed Effect Loading Rate
- OECD = Organisation for Economic Co-operation and Development



OEL = Occupational Exposure Limit  
POP = Persistent Organic Pollutants  
QSAR = Quantitative Structure–Activity Relationship  
REL = Recommended Exposure Limit  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL = Short Term Exposure Limit  
TLV = Threshold Limit Value  
TWA = Time Weight Average  
VOC = Volatile Organic Compound  
UVCB Substance of unknown or Variable composition, Complex reaction products or Biological material

**References** : Not available.

Indicates information that has changed from previously issued version.

## Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.