

# SAFETY DATA SHEET

Calumet 300-360 <1%



## Section 1. Identification

|                                      |                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GHS product identifier</b>        | : Calumet 300-360 <1%                                                                                                                                                                                                                                                                                            |
| <b>Product code</b>                  | : 300706010000                                                                                                                                                                                                                                                                                                   |
| <b>Chemical name</b>                 | : Distillates (petroleum), hydrotreated light                                                                                                                                                                                                                                                                    |
| <b>Other means of identification</b> | : Distillates (petroleum), hydro- treated light; Kerosine - unspecified; Distillates, petroleum, hydrotreated light; Hydrotreated light distillate; Jet fuels; lamp oil; Kerosene (petroleum), hydrotreated; Hydrotreated light distillates (petroleum); DISTILLATES; Deodorized kerosene; Dearomatized kerosine |
| <b>Product type</b>                  | : Liquid.                                                                                                                                                                                                                                                                                                        |

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

| Identified uses              |        |
|------------------------------|--------|
| Petroleum refining. Solvent. |        |
| Uses advised against         | Reason |
| None known.                  |        |

|                           |                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplier's details</b> | : Calumet Refining, LLC<br>2780 Waterfront Pkwy E. Drive Suite 200<br>Indianapolis, IN 46214<br>USA<br>Technical Services: 317-328-5660 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| <b>Emergency telephone number</b> | : 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887 |
|-----------------------------------|-----------------------------------------------------------------|

## Section 2. Hazards identification

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| <b>OSHA/HCS status</b> | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
|------------------------|-------------------------------------------------------------------------------------------------------|

|                                                   |                                                                                                                                                                                          |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Classification of the substance or mixture</b> | : <input checked="" type="checkbox"/> FLAMMABLE LIQUIDS - Category 3<br>ASPIRATION HAZARD - Category 1<br>AQUATIC HAZARD (ACUTE) - Category 2<br>AQUATIC HAZARD (LONG-TERM) - Category 2 |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### GHS label elements

#### Hazard pictograms



|                    |          |
|--------------------|----------|
| <b>Signal word</b> | : Danger |
|--------------------|----------|

|                          |                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard statements</b> | : <input checked="" type="checkbox"/> Flammable liquid and vapor.<br>May be fatal if swallowed and enters airways.<br>Toxic to aquatic life with long lasting effects. |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Precautionary statements

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention</b> | : <input checked="" type="checkbox"/> Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Keep container tightly closed. Avoid release to the environment. |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Section 2. Hazards identification

|                                         |                                                                                                                                                                                                    |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Response</b>                         | : Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. |
| <b>Storage</b>                          | : Store locked up. Store in a well-ventilated place. Keep cool.                                                                                                                                    |
| <b>Disposal</b>                         | : Dispose of contents and container in accordance with all local, regional, national and international regulations.                                                                                |
| <b>Hazards not otherwise classified</b> | : None known.                                                                                                                                                                                      |

## Section 3. Composition/information on ingredients

|                                      |                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Substance/mixture</b>             | : Substance                                                                                                                                                                                                                                                                                                      |
| <b>Chemical name</b>                 | : Distillates (petroleum), hydrotreated light                                                                                                                                                                                                                                                                    |
| <b>Other means of identification</b> | : Distillates (petroleum), hydro- treated light; Kerosine - unspecified; Distillates, petroleum, hydrotreated light; Hydrotreated light distillate; Jet fuels; lamp oil; Kerosene (petroleum), hydrotreated; Hydrotreated light distillates (petroleum); DISTILLATES; Deodorized kerosene; Dearomatized kerosine |

### CAS number/other identifiers

**CAS number** : 64742-47-8

| <b>Ingredient name</b>                      | <b>%</b> | <b>CAS number</b> |
|---------------------------------------------|----------|-------------------|
| Distillates (petroleum), hydrotreated light | 100      | 64742-47-8        |
| nonane                                      | 7.162    | 111-84-2          |

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

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified 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

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | : 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 if irritation occurs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Inhalation</b>   | : 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 adverse health effects persist or are severe. 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.                                                                                                                                                      |
| <b>Skin contact</b> | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Ingestion</b>    | : Get medical attention immediately. Call a poison center or physician. 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. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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

## Section 4. First aid measures

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : ☒ No known significant effects or critical hazards.
- Skin contact** : ☒ No known significant effects or critical hazards.
- Ingestion** : ☒ May be fatal if swallowed and enters airways.

### Over-exposure signs/symptoms

- Eye contact** : ☒ No specific data.
- Inhalation** : ☒ No specific data.
- Skin contact** : ☒ No specific data.
- Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting

### 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** : ☒ Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

- Hazardous thermal decomposition products** : ☒ Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

- 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- 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.

## 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing 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".

## Section 6. Accidental release measures

**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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry 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. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

- 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 a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

### Occupational exposure limits

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## Section 8. Exposure controls/personal protection

- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

- Physical state** : Liquid.
- Color** : ☒ Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : ☒ Not available.
- Boiling point, initial boiling point, and boiling range** : ☒ 48.89 to 182.22°C (300 to 360°F)
- Flash point** : Closed cup: 39.444°C (103°F) [Tagliabue]
- Evaporation rate** : 1.19 (butyl acetate = 1)
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : ☒ Not available.
- Vapor pressure** : 0.21 kPa (1.55 mm Hg)
- Relative vapor density** : ☒ Not available.
- Relative density** : 0.758
- Solubility(ies)** :
- | Media      | Result      |
|------------|-------------|
| cold water | Not soluble |
| hot water  | Not soluble |
- Solubility in water** : ☒ Not available.
- Partition coefficient: n-octanol/water** : ☒ Not applicable.
- Auto-ignition temperature** : ☒ Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (40°C (104°F)): 0.9 mm<sup>2</sup>/s (0.9 cSt)
- Flow time (ISO 2431)** : Not available.
- Pour point** : -51.111°C (-60°F)
- 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** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : ☒ Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

## Section 10. Stability and reactivity

**Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials

**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/ingredient name                     | Result                | Species | Dose                    | Exposure |
|---------------------------------------------|-----------------------|---------|-------------------------|----------|
| Distillates (petroleum), hydrotreated light | LC50 Inhalation Vapor | Rat     | >5.28 mg/l              | 4 hours  |
| nonane                                      | LD50 Dermal           | Rabbit  | >2000 mg/kg             | -        |
|                                             | LD50 Oral             | Rat     | >5000 mg/kg             | -        |
|                                             | LC50 Inhalation Gas.  | Rat     | 3200 ppm                | 4 hours  |
|                                             | LC50 Inhalation Vapor | Rat     | 17000 mg/m <sup>3</sup> | 4 hours  |
|                                             | LD50 Dermal           | Rabbit  | 2000 mg/kg              | -        |
|                                             | LD50 Oral             | Rat     | 5000 mg/kg              | -        |

#### Irritation/Corrosion

| Product/ingredient name                     | Result                   | Species | Score | Exposure        | Observation |
|---------------------------------------------|--------------------------|---------|-------|-----------------|-------------|
| Distillates (petroleum), hydrotreated light | Eyes - Irritant          | Rabbit  | -     | -               | -           |
| nonane                                      | Skin - Irritant          | Rabbit  | -     | 4 hours         | -           |
|                                             | Skin - Mild irritant     | Pig     | -     | 24 hours 250 uL | -           |
|                                             | Skin - Moderate irritant | Rat     | -     | 96 hours 300 uL | -           |

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

| Name                                        | Result                         |
|---------------------------------------------|--------------------------------|
| Distillates (petroleum), hydrotreated light | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

## Section 11. Toxicological information

- Inhalation** : ☒ No known significant effects or critical hazards.
- Skin contact** : ☒ No known significant effects or critical hazards.
- Ingestion** : ☒ May be fatal if swallowed and enters airways.

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

- Eye contact** : ☒ No specific data.
- Inhalation** : ☒ No specific data.
- Skin contact** : ☒ No specific data.
- Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting

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

#### Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name                                                         | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---------------------------------------------------------------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> Distillates (petroleum), hydrotreated light | 74813.5      | 2458.9         | N/A                      | N/A                        | N/A                                 |
| Distillates (petroleum), hydrotreated light                                     | N/A          | 2500           | N/A                      | N/A                        | N/A                                 |
| nonane                                                                          | 5000         | 2000           | N/A                      | N/A                        | N/A                                 |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name                                                         | Result                           | Species                           | Exposure |
|---------------------------------------------------------------------------------|----------------------------------|-----------------------------------|----------|
| <input checked="" type="checkbox"/> Distillates (petroleum), hydrotreated light | Acute LC50 2200 µg/l Fresh water | Fish - <i>Lepomis macrochirus</i> | 4 days   |
| nonane                                                                          | Acute EC50 0.4 mg/l              | Daphnia                           | 48 hours |

### Persistence and degradability

Not available.

### Bioaccumulative potential

## Section 12. Ecological information

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| Nonane                  | 5.65               | 105 | Low       |

### Mobility in soil

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

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : 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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA classification : D001 [Flammable]

## Section 14. Transport information

|                            | DOT Classification                                                                       | TDG Classification                                                                                                                                                           | IMDG                                                                                                                                                                            | IATA                                                                                       |
|----------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| UN number                  | UN1268                                                                                   | UN1268                                                                                                                                                                       | UN1268                                                                                                                                                                          | UN1268                                                                                     |
| UN proper shipping name    | Petroleum distillates, n. o.s.                                                           | PETROLEUM DISTILLATES, N.O.S..<br>Marine pollutant (nonane)                                                                                                                  | PETROLEUM DISTILLATES, N.O.S..<br>Marine pollutant (nonane)                                                                                                                     | Petroleum distillates, n. o.s.                                                             |
| Transport hazard class(es) | 3<br> | 3<br>  | 3<br>  | 3<br> |
| Packing group              | III                                                                                      | III                                                                                                                                                                          | III                                                                                                                                                                             | III                                                                                        |
| Environmental hazards      | No.                                                                                      | Yes.                                                                                                                                                                         | Yes.                                                                                                                                                                            | Yes. The environmentally hazardous substance mark is not required.                         |

### Additional information

**DOT Classification** : This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.

**Limited quantity** Yes.

**Packaging instruction** Exceptions: 150. Non-bulk: 203. Bulk: 242.

**Quantity limitation** Passenger aircraft/rail: 60 L. Cargo aircraft: 220 L.

**Special provisions** 144, B1, IB3, T4, TP1, TP29

## Section 14. Transport information

- TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark).  
The marine pollutant mark is not required when transported by road or rail.  
**Explosive Limit and Limited Quantity Index** 5  
**Passenger Carrying Road or Rail Index** 60  
**Special provisions** 91, 92, 150
- IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.  
**Emergency schedules** F-E, S-E  
**Special provisions** 223, 955
- IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.  
**Quantity limitation** Passenger and Cargo Aircraft: 60 L. Packaging instructions: 355.  
Cargo Aircraft Only: 220 L. Packaging instructions: 366. Limited Quantities - Passenger Aircraft: 10 L. Packaging instructions: Y344.  
**Special provisions** A3
- 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** : **TSCA 4(a) final test rules:** nonane  
**TSCA 8(a) PAIR:** nonane  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**TSCA 12(b) one-time export:** nonane  
**Clean Water Act (CWA) 307:** toluene; ethylbenzene  
**Clean Water Act (CWA) 311:** toluene; ethylbenzene
- Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : ☒ 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** : ☒ FLAMMABLE LIQUIDS - Category 3  
ASPIRATION HAZARD - Category 1  
**Composition/information on ingredients**

## Section 15. Regulatory information

| Name                                               | %            | Classification                                                                                                                                                                                             |
|----------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Distillates (petroleum), hydrotreated light nonane | 100<br>7.162 | FLAMMABLE LIQUIDS - Category 3<br>ASPIRATION HAZARD - Category 1<br>FLAMMABLE LIQUIDS - Category 3<br>ACUTE TOXICITY (dermal) - Category 4<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A |

### State regulations

- Massachusetts** : The following components are listed: NONANE
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: NONANE
- Pennsylvania** : The following components are listed: NONANE

### California Prop. 65

**⚠ WARNING:** This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).  
Information provided is based on industrial use and may not be relevant to consumer applications.

| Ingredient name | Concentration (%) | No significant risk level | Maximum acceptable dosage level |
|-----------------|-------------------|---------------------------|---------------------------------|
| Toluene         | 0.000572          | -                         | Yes.                            |
| n-hexane        | 0.000173          | -                         | Yes.                            |
| Ethylbenzene    | 0.000171          | Yes.                      | -                               |

### International lists

#### National inventory

- Australia** : All components are listed or exempted.
- Canada** : All components are listed or exempted.
- China** : All components are listed or exempted.
- Eurasian Economic Union** : **Russian Federation inventory:** All components are listed or exempted.
- New Zealand** : All components are listed or exempted.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.
- Taiwan** : All components are listed or exempted.
- Thailand** : All components are listed or exempted.
- Turkey** : Not determined.
- United States** : All components are active or exempted.
- Viet Nam** : All components are listed or exempted.

## Section 16. Other information

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



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

## Section 16. Other information

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                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  LAMMABLE LIQUIDS - Category 3<br>ASPIRATION HAZARD - Category 1<br>AQUATIC HAZARD (ACUTE) - Category 2<br>AQUATIC HAZARD (LONG-TERM) - Category 2 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method |

### History

**Date of issue/Date of revision** : 08/27/2024

**Date of previous issue** : 08/07/2023

**Version** : 6

### Key to abbreviations

ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 N/A = Not available  
 SGG = Segregation Group  
 UN = United Nations

 Indicates information that has changed from previously issued version.

### Notice to reader

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