

# SAFETY DATA SHEET

Creation Date 23-Nov-2009

Revision Date 21-Jan-2026

Revision Number 7

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

## 1. Identification

**Product Name** Petroleum ether, boiling range 100-140°C

**Cat No. :** AC233020000; AC233020025; AC233020100; AC233020250

**CAS No** 64742-49-0

**Synonyms** Naphtha (petroleum)

**Recommended Use** Laboratory chemicals.

**Uses advised against** Food, drug, pesticide or biocidal product use.

### Details of the supplier of the safety data sheet

#### Company

Fisher Scientific Company  
One Reagent Lane  
Fair Lawn, NJ 07410  
Tel: (201) 796-7100

Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

#### **Emergency Telephone Number**

For information **US** call: 001-800-227-6701 / **Europe** call: +32 14 57 52 11  
Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99  
**CHEMTREC** Tel. No. **US**:001-800-424-9300 / **Europe**:001-703-527-3887

## 2. Hazard(s) identification

### Classification

This chemical is considered hazardous according to [US] OSHA (29 CFR 1910.1200, 2024)

|                                                                   |            |
|-------------------------------------------------------------------|------------|
| Flammable liquids                                                 | Category 2 |
| Reproductive Toxicity                                             | Category 2 |
| Specific target organ toxicity (single exposure)                  | Category 3 |
| Target Organs - Respiratory system, Central nervous system (CNS). |            |
| Specific target organ toxicity - (repeated exposure)              | Category 2 |
| Aspiration Toxicity                                               | Category 1 |

### Label Elements

**Signal Word**  
Danger

**Hazard Statements**

Highly flammable liquid and vapor  
May be fatal if swallowed and enters airways  
May cause respiratory irritation  
May cause drowsiness or dizziness  
Suspected of damaging fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements****Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Ground and bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting equipment  
Keep cool  
Wear protective gloves/protective clothing/eye protection/face protection  
Take action to prevent static discharges  
Use non-sparking tools

**Response**

IF exposed or concerned: Get medical attention/advice

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing

**Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

**Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor

Do NOT induce vomiting

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

**Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Toxic to aquatic life with long lasting effects  
Repeated exposure may cause skin dryness or cracking

**Hazards classified under paragraph (d)(1)(ii) of 1910.1200**

No information available

WARNING. Reproductive Harm - <https://www.p65warnings.ca.gov/>.

### 3. Composition/information on Ingredients

| Component                              | CAS No     | Weight % |
|----------------------------------------|------------|----------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | >95      |

|             |          |   |
|-------------|----------|---|
| Cyclohexane | 110-82-7 | 2 |
|-------------|----------|---|

#### 4. First-aid measures

|                                            |                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b>                      | If symptoms persist, call a physician.                                                                                                                                                                                            |
| <b>Eye Contact</b>                         | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.                                                                                                                   |
| <b>Skin Contact</b>                        | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.                                                                                                                                         |
| <b>Inhalation</b>                          | Remove to fresh air. Get medical attention. Risk of serious damage to the lungs (by aspiration). If not breathing, give artificial respiration.                                                                                   |
| <b>Ingestion</b>                           | Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician or poison control center immediately. If vomiting occurs naturally, have victim lean forward.                               |
| <b>Most important symptoms and effects</b> | Difficulty in breathing. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting |
| <b>Notes to Physician</b>                  | Treat symptomatically                                                                                                                                                                                                             |

#### 5. Fire-fighting measures

|                                         |                                                                                                                                         |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>     | Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers. |
| <b>Unsuitable Extinguishing Media</b>   | Do not use a solid water stream as it may scatter and spread fire                                                                       |
| <b>Flash Point</b>                      | 6 °C / 43 °F                                                                                                                            |
| <b>Method -</b>                         | No information available                                                                                                                |
| <b>Autoignition Temperature</b>         | 256 °C / 493 °F                                                                                                                         |
| <b>Explosion Limits</b>                 |                                                                                                                                         |
| <b>Upper</b>                            | 8.00%                                                                                                                                   |
| <b>Lower</b>                            | 0.60%                                                                                                                                   |
| <b>Sensitivity to Mechanical Impact</b> | No information available                                                                                                                |
| <b>Sensitivity to Static Discharge</b>  | No information available                                                                                                                |

#### Specific Hazards Arising from the Chemical

Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Do not allow run-off from fire-fighting to enter drains or water courses. Extremely flammable.

#### Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### NFPA

|               |                     |                    |                         |
|---------------|---------------------|--------------------|-------------------------|
| <b>Health</b> | <b>Flammability</b> | <b>Instability</b> | <b>Physical hazards</b> |
| 3             | 3                   | 0                  | N/A                     |

#### 6. Accidental release measures

|                             |                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------|
| <b>Personal Precautions</b> | Use personal protective equipment as required. Ensure adequate ventilation. Remove all |
|-----------------------------|----------------------------------------------------------------------------------------|

**Environmental Precautions** sources of ignition. Take precautionary measures against static discharges. Do not flush into surface water or sanitary sewer system.

**Methods for Containment and Clean Up** Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## 7. Handling and Storage

**Handling** Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid ingestion and inhalation. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges.

**Storage.** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. Flammables area. Incompatible Materials. Strong oxidizing agents.

## 8. Exposure controls / personal protection

### Exposure Guidelines

| Component   | ACGIH TLV    | OSHA PEL                                                                                                       | NIOSH                                                                       | Mexico OEL (TWA) |
|-------------|--------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------|
| Cyclohexane | TWA: 100 ppm | (Vacated) TWA: 300 ppm<br>(Vacated) TWA: 1050 mg/m <sup>3</sup><br>TWA: 300 ppm<br>TWA: 1050 mg/m <sup>3</sup> | IDLH: 1300 ppm<br>REL = 300 ppm (TWA)<br>REL = 1050 mg/m <sup>3</sup> (TWA) | TWA: 100 ppm     |

### Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH: NIOSH - National Institute for Occupational Safety and Health

**Engineering Measures** Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting equipment. Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Eye/face Protection** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin and body protection** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory Protection** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Recommended Filter type:** Organic gases and vapours filter. Type A. Brown. conforming to EN14387.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Appearance

**Physical State**

Liquid

**Color**

Colorless

|                                                |                                             |                                          |                 |
|------------------------------------------------|---------------------------------------------|------------------------------------------|-----------------|
| <b>Odor</b>                                    | Petroleum distillates                       |                                          |                 |
| <b>Odor Threshold</b>                          | No information available                    |                                          |                 |
| <b>Property</b>                                | <b>Values</b>                               | <b>Remarks</b>                           | <b>• Method</b> |
| <b>Melting Point/Range</b>                     | -30 °C / -22 °F                             |                                          |                 |
| <b>Softening Point</b>                         | No data available                           |                                          |                 |
| <b>Boiling Point/Range</b>                     | 100 - 140 °C / 212 - 284 °F                 | @ 760 mmHg                               |                 |
| <b>Flash Point</b>                             | 6 °C / 43 °F                                | <b>Method</b> - No information available |                 |
| <b>Flammability (liquid)</b>                   | Highly flammable                            | On basis of test data                    |                 |
| <b>Flammability (solid,gas)</b>                | Not applicable                              | Liquid                                   |                 |
| <b>Explosion Limits</b>                        | <b>Lower</b> 0.7 vol%                       |                                          |                 |
|                                                | <b>Upper</b> 7 vol%                         |                                          |                 |
| <b>Autoignition Temperature</b>                | 256 °C / 493 °F                             |                                          |                 |
| <b>Decomposition Temperature</b>               | No data available                           |                                          |                 |
| <b>pH</b>                                      | No information available                    |                                          |                 |
| <b>Viscosity</b>                               | 0.76 cSt @ 25°C                             |                                          |                 |
| <b>Water Solubility</b>                        | Insoluble                                   |                                          |                 |
| <b>Solubility in other solvents</b>            | No information available                    |                                          |                 |
| <b>Partition Coefficient (n-octanol/water)</b> |                                             |                                          |                 |
| <b>Component</b>                               | <b>log Pow</b>                              |                                          |                 |
| Cyclohexane                                    | 3.44                                        |                                          |                 |
| <b>Vapor Pressure</b>                          | 27 mbar @ 20 °C                             |                                          |                 |
| <b>Density / Specific Gravity</b>              | 0.725                                       |                                          |                 |
| <b>Bulk Density</b>                            | Not applicable                              | Liquid                                   |                 |
| <b>Vapor Density</b>                           | No data available                           | (Air = 1.0)                              |                 |
| <b>Particle characteristics</b>                | Not applicable (liquid)                     |                                          |                 |
| <b>Other Information</b>                       |                                             |                                          |                 |
| <b>Explosive Properties</b>                    | Vapors may form explosive mixtures with air |                                          |                 |
| <b>Evaporation Rate</b>                        | > 1                                         |                                          |                 |

## 10. Stability and reactivity

|                                         |                                                                                                       |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Reactive Hazard</b>                  | None known, based on information available                                                            |
| <b>Stability</b>                        | Stable under normal conditions.                                                                       |
| <b>Conditions to Avoid</b>              | Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition. |
| <b>Incompatible Materials</b>           | Strong oxidizing agents                                                                               |
| <b>Hazardous Decomposition Products</b> | Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )                                               |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.                                                              |
| <b>Hazardous Reactions</b>              | None under normal processing.                                                                         |

## 11. Toxicological information

### Information on expected route of exposure

|                   |                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b> | May be harmful if inhaled. May cause irritation of respiratory tract.                                                                                                                                                             |
| <b>Ingestion</b>  | Harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Potential for aspiration if swallowed.                   |
| <b>Eyes</b>       | May cause irritation.                                                                                                                                                                                                             |
| <b>Skin</b>       | Causes skin irritation. May be harmful in contact with skin. May cause skin irritation and/or dermatitis. Repeated exposure may cause skin dryness or cracking. Prolonged skin contact may defat the skin and produce dermatitis. |

**Toxicology data for the components**

| Component                              | LD50 Oral                 | LD50 Dermal                  | LC50 Inhalation                            |
|----------------------------------------|---------------------------|------------------------------|--------------------------------------------|
| Naphtha, petroleum, hydrotreated light | LD50 > 5000 mg/kg ( Rat ) | LD50 > 3160 mg/kg ( Rabbit ) | LC50 = 73680 ppm ( Rat ) 4 h               |
| Cyclohexane                            | > 5000 mg/kg ( Rat )      | > 2000 mg/kg ( Rabbit )      | LC50 > 32880 mg/m <sup>3</sup> ( Rat ) 4 h |

**Toxicologically Synergistic Products** No information available

**(b) skin corrosion/irritation;** Based on available data, the classification criteria are not met

**(c) serious eye damage/irritation;** Based on available data, the classification criteria are not met

**(d) respiratory or skin sensitization;**  
**Respiratory** Based on available data, the classification criteria are not met  
**Skin** Based on available data, the classification criteria are not met

**(e) germ cell mutagenicity;** Based on available data, the classification criteria are not met

**(f) carcinogenicity;** Based on available data, the classification criteria are not met  
 The table below indicates whether each agency has listed any ingredient as a carcinogen

| Component                              | CAS No     | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|----------------------------------------|------------|------------|------------|------------|------------|------------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | Not listed | Not listed | Not listed | Not listed | Not listed |
| Cyclohexane                            | 110-82-7   | Not listed | Not listed | Not listed | Not listed | Not listed |

**(g) reproductive toxicity;** Based on available data, the classification criteria are not met

**(h) STOT-single exposure;** Category 3  
**Results / Target organs** Central nervous system (CNS).

**(i) STOT-repeated exposure;** Based on available data, the classification criteria are not met  
**Target Organs** None known.

**(j) aspiration hazard;** Category 1

**Symptoms / effects, both acute and delayed** Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Other Adverse Effects** The toxicological properties have not been fully investigated.

**Endocrine Disrupting Properties** This product does not contain any known or suspected endocrine disruptors.

## 12. Ecological information

### Ecotoxicity

The product contains following substances which are hazardous for the environment. Toxic to aquatic organisms, may cause

long-term adverse effects in the aquatic environment.

| Component                              | Freshwater Algae   | Freshwater Fish                                                                                                                                                                                                                                          | Microtox                                        | Water Flea          |
|----------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------|
| Naphtha, petroleum, hydrotreated light | Not listed         | LC50: = 8.41 mg/L, 96h semi-static, closed (Oncorhynchus mykiss)                                                                                                                                                                                         | Not listed                                      | Not listed          |
| Cyclohexane                            | EC50 >500 mg/L/72h | LC50: 48.87 - 68.76 mg/L, 96h static (Poecilia reticulata)<br>LC50: 24.99 - 44.69 mg/L, 96h static (Lepomis macrochirus)<br>LC50: 23.03 - 42.07 mg/L, 96h static (Pimephales promelas)<br>LC50: 3.96 - 5.18 mg/L, 96h flow-through (Pimephales promelas) | EC50 = 85.5 mg/L 5 min<br>EC50 = 93 mg/L 10 min | EC50 = 0.9 mg/l/48h |

**Persistence and Degradability** Insoluble in water Persistence is unlikely based on information available.

**Bioaccumulation/ Accumulation** No information available.

**Mobility** Is not likely mobile in the environment due its low water solubility. Will likely be mobile in the environment due to its volatility.

| Component   | log Pow |
|-------------|---------|
| Cyclohexane | 3.44    |

### 13. Disposal considerations

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

| Component              | RCRA - U Series Wastes | RCRA - P Series Wastes |
|------------------------|------------------------|------------------------|
| Cyclohexane - 110-82-7 | U056                   | -                      |

### 14. Transport information

#### DOT

UN-No UN3295  
 Proper Shipping Name Hydrocarbons, liquid, n.o.s.  
 Technical Shipping Name Petroleum ether, boiling range 100-140°C  
 Hazard Class 3  
 Packing Group II

#### TDG

UN-No UN3295  
 Proper Shipping Name Hydrocarbons, liquid, n.o.s.  
 Technical Shipping Name Petroleum ether, boiling range 100-140°C  
 Hazard Class 3  
 Packing Group II

#### IATA

UN-No UN3295  
 Proper Shipping Name Hydrocarbons, liquid, n.o.s.  
 Technical Shipping Name Petroleum ether, boiling range 100-140°C  
 Hazard Class 3  
 Packing Group II

#### IMDG/IMO

UN-No UN3295  
 Proper Shipping Name Hydrocarbons, liquid, n.o.s.  
 Technical Shipping Name Petroleum ether, boiling range 100-140°C

Hazard Class 3  
Packing Group II

## 15. Regulatory Information

### United States of America Inventory

| Component                              | CAS No     | TSCA | TSCA Inventory notification - Active-Inactive | TSCA - EPA Regulatory Flags |
|----------------------------------------|------------|------|-----------------------------------------------|-----------------------------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | X    | ACTIVE                                        | -                           |
| Cyclohexane                            | 110-82-7   | X    | ACTIVE                                        | -                           |

#### Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

- - Not Listed

TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT) Not applicable

TSCA 12(b) - Notices of Export Not applicable

### International Inventories

Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

| Component                              | CAS No     | DSL | NDL | EINECS    | PICCS | ENCS | ISHL | AICS | IECSC | KECL     |
|----------------------------------------|------------|-----|-----|-----------|-------|------|------|------|-------|----------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | X   | -   | 265-151-9 | X     | -    |      | X    | X     | KE-25623 |
| Cyclohexane                            | 110-82-7   | X   | -   | 203-806-2 | X     | X    | X    | X    | X     | KE-18562 |

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Component   | CAS No   | Weight % | SARA 313 - Threshold Values % | SARA 313 - Reporting thresholds |
|-------------|----------|----------|-------------------------------|---------------------------------|
| Cyclohexane | 110-82-7 | 2        | 1.0 %                         | -                               |

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act) Not applicable

| Component   | CWA - Hazardous Substances | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants |
|-------------|----------------------------|-----------------------------|------------------------|---------------------------|
| Cyclohexane | X                          | 1000 lb                     | -                      | -                         |

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration Not applicable

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

| Component   | Hazardous Substances RQs | CERCLA Extremely Hazardous Substances RQs | SARA Reportable Quantity (RQ) |
|-------------|--------------------------|-------------------------------------------|-------------------------------|
| Cyclohexane | 1000 lb                  | -                                         | 1000 lb<br>454 kg             |

**California Proposition 65** This product contains the following Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations** Not applicable

| Component   | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-------------|---------------|------------|--------------|----------|--------------|
| Cyclohexane | X             | X          | X            | -        | X            |

**U.S. Department of Transportation**

Reportable Quantity (RQ): Y  
DOT Marine Pollutant N  
DOT Severe Marine Pollutant N

**U.S. Department of Homeland Security** This product does not contain any DHS chemicals.

**Other International Regulations**

**Mexico - Grade** Serious risk, Grade 3

**Authorisation/Restrictions according to EU REACH**

| Component                              | CAS No     | REACH (1907/2006) - Annex XIV - Substances Subject to Authorization | REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances                                                                                                                                     | REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC) |
|----------------------------------------|------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | -                                                                   | Use restricted. See entry 28.<br>(see link for restriction details)<br>Use restricted. See entry 29.<br>(see link for restriction details)<br>Use restricted. See entry 75.<br>(see link for restriction details) | -                                                                                                     |
| Cyclohexane                            | 110-82-7   | -                                                                   | Use restricted. See entry 57.<br>(see link for restriction details)<br>Use restricted. See entry 75.<br>(see link for restriction details)                                                                        | -                                                                                                     |

**REACH links**

<https://echa.europa.eu/substances-restricted-under-reach>

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

| Component                              | CAS No     | OECD HPV | Persistent Organic Pollutant | Ozone Depletion Potential | Restriction of Hazardous Substances (RoHS) |
|----------------------------------------|------------|----------|------------------------------|---------------------------|--------------------------------------------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | Listed   | Not applicable               | Not applicable            | Not applicable                             |
| Cyclohexane                            | 110-82-7   | Listed   | Not applicable               | Not applicable            | Not applicable                             |

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)?

Not applicable

#### Other International Regulations

| Component                              | CAS No     | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements | Rotterdam Convention (PIC) | Basel Convention (Hazardous Waste) |
|----------------------------------------|------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------|------------------------------------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | 2500 tonne                                                                                | 25000 tonne                                                                              | Not applicable             | Not applicable                     |
| Cyclohexane                            | 110-82-7   | Not applicable                                                                            | Not applicable                                                                           | Not applicable             | Not applicable                     |

## 16. Other Information

#### Prepared By

Product stewardship (Regulatory Affairs)  
Thermo Fisher Scientific  
email - begel.sdsdesk@thermofisher.com

#### Creation Date

23-Nov-2009

#### Revision Date

21-Jan-2026

#### Print Date

21-Jan-2026

#### Revision Summary

Updated to the U.S. Department of Labor's Occupational Safety and Health Administration (OSHA) which published its Final Rule in the Federal Register revising the Hazard Communication Standard (HCS/HazCom), 29 CFR 1910.1200 (2024) (HCS §1910.1200, 2024), May 20, 2024, effective July 19, 2024.

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of SDS**