**SECTION 1: Identification**

1.1 Product identifier

Identification of the substance | Isohexane
---|---
Article number | 7576
Registration number (REACH) | 01-2119484651-34-xxxx
Index No | 601-007-00-7
EC number | 295-570-2
CAS number | 92112-69-1

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

Identified uses: laboratory chemical
laboratory and analytical use

1.3 Details of the supplier of the safety data sheet

Carl Roth GmbH + Co KG
Schoemperlenstr. 3-5
D-76185 Karlsruhe
Germany

**Telephone:** +49 (0) 721 - 56 06 0
**Telefax:** +49 (0) 721 - 56 06 149
**e-mail:** sicherheit@carlroth.de
**Website:** www.carlroth.de

Competent person responsible for the safety data sheet: Department Health, Safety and Environment

**e-mail (competent person):** sicherheit@carlroth.de

1.4 Emergency telephone number

Emergency information service: Poison Centre Munich: +49/(0)89 19240

**SECTION 2: Hazard(s) identification**

2.1 Classification of the substance or mixture

Classification Hazardous Products Regulations

<table>
<thead>
<tr>
<th>Classification acc. to GHS</th>
<th>Hazard class</th>
<th>Hazard class and category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.6</td>
<td>flammable liquid</td>
<td>(Flam. Liq. 2)</td>
<td>H225</td>
</tr>
<tr>
<td>3.2</td>
<td>skin corrosion/irritation</td>
<td>(Skin Irrit. 2)</td>
<td>H315</td>
</tr>
<tr>
<td>3.8D</td>
<td>specific target organ toxicity - single exposure (narcotic effects, drowsiness)</td>
<td>(STOT SE 3)</td>
<td>H336</td>
</tr>
<tr>
<td>3.10</td>
<td>aspiration hazard</td>
<td>(Asp. Tox. 1)</td>
<td>H304</td>
</tr>
</tbody>
</table>
2.2 Label elements

Labeling GHS

Signal word | Danger
---|---

Pictograms

GHS02, GHS07, GHS08

Hazard statements

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
</tbody>
</table>

Precautionary statements

Precautionary statements - prevention
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautionary statements - response
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
IF ON SKIN: Wash with plenty of soap and water.
Do NOT induce vomiting.
In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.

Precautionary statements - storage
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.

Labelling of packages where the contents do not exceed 125 ml
Signal word: Danger

Symbol(s)

H304 May be fatal if swallowed and enters airways.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Do NOT induce vomiting.
SECTION 3: Composition/information on ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>Isohexane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index No</td>
<td>601-007-00-7</td>
</tr>
<tr>
<td>Registration number (REACH)</td>
<td>01-2119484651-34-xxxx</td>
</tr>
<tr>
<td>EC number</td>
<td>295-570-2</td>
</tr>
<tr>
<td>CAS number</td>
<td>92112-69-1</td>
</tr>
<tr>
<td>Molecular formula</td>
<td>C₆H₁₄</td>
</tr>
<tr>
<td>Molar mass</td>
<td>86.18 g/mol</td>
</tr>
</tbody>
</table>

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes
Take off contaminated clothing.

Following inhalation
Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Following skin contact
Rinse skin with water/shower. In case of skin irritation, consult a physician.

Following eye contact
Rinse cautiously with water for several minutes. In all cases of doubt, or when symptoms persist, seek medical advice.

Following ingestion
Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed
Aspiration hazard, Cough, Irritation, Dyspnoea, Dizziness, Drowsiness, Narcosis

4.3 Indication of any immediate medical attention and special treatment needed
none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media
Co-ordinate fire-fighting measures to the fire surroundings
water spray, foam, dry extinguishing powder, carbon dioxide (CO2)
5.2 Special hazards arising from the substance or mixture
Combustible. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours can form explosive mixtures with air.

Hazardous combustion products
In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO2)

5.3 Advice for firefighters
Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Wear personal protective equipment/face protection. Avoid contact with skin, eyes and clothes. Do not breathe vapor/spray. Avoidance of ignition sources.

6.2 Environmental precautions
Keep away from drains, surface and ground water. Explosive properties.

6.3 Methods and material for containment and cleaning up
Advises on how to contain a spill
Covering of drains.

Advises on how to clean up a spill
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Other information relating to spills and releases
Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Provision of sufficient ventilation.

• Measures to prevent fire as well as aerosol and dust generation

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharge. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.
**Advice on general occupational hygiene**
Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. When using do not smoke.

7.2 **Conditions for safe storage, including any incompatibilities**
Keep container tightly closed.

**Incompatible substances or mixtures**
Observe compatible storage of chemicals.

**Consideration of other advice**
Ground/bond container and receiving equipment.

**Ventilation requirements**
Use local and general ventilation.

**Specific designs for storage rooms or vessels**
Recommended storage temperature: 15 – 25 °C.

7.3 **Specific end use(s)**
No information available.

**SECTION 8: Exposure controls/personal protection**

8.1 **Control parameters**

**National limit values**

**Occupational exposure limit values (Workplace Exposure Limits)**

<table>
<thead>
<tr>
<th>Country</th>
<th>Name of agent</th>
<th>CAS No</th>
<th>Notation</th>
<th>Identifier</th>
<th>TWA [ppm]</th>
<th>TWA [mg/m³]</th>
<th>STEL [ppm]</th>
<th>STEL [mg/m³]</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>n-hexane</td>
<td>110-54-3</td>
<td>OEL (AB)</td>
<td>50</td>
<td>176</td>
<td></td>
<td></td>
<td></td>
<td>OHS Code</td>
</tr>
<tr>
<td>CA</td>
<td>n-hexane</td>
<td>110-54-3</td>
<td>OEL (BC)</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>&quot;BC Regulation&quot;</td>
</tr>
<tr>
<td>CA</td>
<td>n-hexane</td>
<td>110-54-3</td>
<td>PEV/VEA</td>
<td>50</td>
<td>176</td>
<td></td>
<td></td>
<td></td>
<td>Regulation OHS</td>
</tr>
</tbody>
</table>

**Notation**

- **STEL**: Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
- **TWA**: Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

8.2 **Exposure controls**

**Individual protection measures (personal protective equipment)**

**Eye/face protection**

Use safety goggles with side protection.

**Skin protection**
hand protection
Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- type of material
  NBR (Nitrile rubber)
- material thickness
  0.4 mm
- breakthrough times of the glove material
  >480 minutes (permeation: level 6)

- other protection measures
  Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.
  Flame-retardant protective clothing.

Respiratory protection
Respiratory protection necessary at: Aerosol or mist formation. Type: AX (gas filters and combined filters against low-boiling point organic compounds, color code: Brown).

Environmental exposure controls
Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid (fluid)</td>
</tr>
<tr>
<td>Color</td>
<td>colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Other physical and chemical parameters

<table>
<thead>
<tr>
<th>pH (value)</th>
<th>This information is not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/freezing point</td>
<td>-154 °C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>60 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>-20 °C (closed cup)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not relevant (fluid)</td>
</tr>
<tr>
<td>Explosive limits</td>
<td></td>
</tr>
<tr>
<td>• lower explosion limit (LEL)</td>
<td>1.2 vol%</td>
</tr>
<tr>
<td>• upper explosion limit (UEL)</td>
<td>7 vol%</td>
</tr>
<tr>
<td>Explosion limits of dust clouds</td>
<td>not relevant</td>
</tr>
</tbody>
</table>

Canada (en)
Vapor pressure: 227 hPa at 20 °C
Density: 0.65 g/cm³ at 20 °C
Vapor density: 1.44 (air = 1)
Bulk density: Not applicable
Relative density: Information on this property is not available.
Solubility(ies)
Water solubility: 0.01 g/l at 20 °C

Partition coefficient
n-octanol/water (log KOW): 3.21 (TOXNET)
Auto-ignition temperature: 300 °C
Decomposition temperature: no data available
Viscosity: not determined
Explosive properties: Shall not be classified as explosive
Oxidizing properties: none

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity
Risk of ignition. Vapours can form explosive mixtures with air.

10.2 Chemical stability
The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions
Danger of explosion: Oxidizers

10.4 Conditions to avoid
Keep away from heat.

10.5 Incompatible materials
different plastic and rubber

10.6 Hazardous decomposition products
Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Shall not be classified as acutely toxic.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Shall not be classified as seriously damaging to the eye or eye irritant.
Respiratory or skin sensitization
Shall not be classified as a respiratory or skin sensitizer.

Summary of evaluation of the CMR properties
Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant

• Specific target organ toxicity - single exposure
  May cause drowsiness or dizziness.

• Specific target organ toxicity - repeated exposure
  Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard
May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

• If swallowed
  nausea, vomiting, aspiration hazard

• If in eyes
  slightly irritant but not relevant for classification

• If inhaled
  cough, Dyspnoea, fatigue, narcosis

• If on skin
  has degreasing effect on the skin, causes skin irritation

Other information
None

SECTION 12: Ecological information

12.1 Toxicity
acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

12.2 Process of degradability
Theoretical Oxygen Demand: 3.527 mg/mg
Theoretical Carbon Dioxide: 3.064 mg/mg

<table>
<thead>
<tr>
<th>Process</th>
<th>Degradation rate</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>biotic/abiotic</td>
<td>6 %</td>
<td>8 d</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential
Does not significantly accumulate in organisms.

n-octanol/water (log KOW) 3.21

12.4 Mobility in soil
Data are not available.

12.5 Results of PBT and vPvB assessment
Data are not available.

12.6 Other adverse effects
Data are not available.
SECTION 13: Disposal considerations

13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information
Do not empty into drains.

Waste treatment of containers/packages
It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used.

Sewage disposal-relevant information
Do not empty into drains.

Waste treatment of containers/packages
It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used.

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

SECTION 14: Transport information

14.1 UN number

1208

14.2 UN proper shipping name

HEXANES

Hazardous ingredients

Isohexane

14.3 Transport hazard class(es)

Class

3 (flammable liquids)

14.4 Packing group

II (substance presenting medium danger)

14.5 Environmental hazards

hazardous to the aquatic environment

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

- Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

  UN number

  1208

  Proper shipping name

  HEXANES
**Safety data sheet**
*Hazardous Products Regulations (HPR)*

**Isohexane ROTISOLV® ≥96 %, Pestilyse® plus**

<table>
<thead>
<tr>
<th>Particulars in the transport document</th>
<th>UN1208, HEXANES, 3, II, (D/E), environmentally hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class</td>
<td>3</td>
</tr>
<tr>
<td>Classification code</td>
<td>F1</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
<tr>
<td>Danger label(s)</td>
<td>3 + &quot;fish and tree&quot;</td>
</tr>
</tbody>
</table>

**Environmental hazards**
yes (hazardous to the aquatic environment)

**Excepted quantities (EQ)**
E2

**Limited quantities (LQ)**
1 L

**Transport category (TC)**
2

**Tunnel restriction code (TRC)**
D/E

**Hazard identification No**
33

- **International Maritime Dangerous Goods Code (IMDG)**
  - **UN number**
    1208
  - **Proper shipping name**
    HEXANES
  - **Particulars in the shipper's declaration**
    UN1208, HEXANES, 3, II, -20°C c.c., MARINE POLLUTANT
  - **Class**
    3
  - **Marine pollutant**
    yes (P) (hazardous to the aquatic environment)
  - **Packing group**
    II
  - **Danger label(s)**
    3 + "fish and tree"

- **Special provisions (SP)**
  -

- **Excepted quantities (EQ)**
  E2

- **Limited quantities (LQ)**
  1 L

- **EmS**
  F-E, S-D

- **Stowage category**
  E

- **International Civil Aviation Organization (ICAO-IATA/DGR)**
  - **UN number**
    1208
  - **Proper shipping name**
    Hexanes
  - **Particulars in the shipper's declaration**
    UN1208, Hexanes, 3, II
  - **Class**
    3
  - **Environmental hazards**
    yes (hazardous to the aquatic environment)
Isohexane ROTISOLV® ≥96 %, Pestilyse® plus

**Packing group II**

**Danger label(s)** 3

**Excepted quantities (EQ)** E2

**Limited quantities (LQ)** 1 L

**SECTION 15: Regulatory information**

15.1 **Safety, health and environmental regulations specific for the product in question**

**National regulations (United States)**

The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

Not listed.

**CERCLA**

List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Not listed.

**Clean Air Act**

Not listed.

**New Jersey Worker and Community Right to Know Act**

Not listed.

**California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987**

Not listed.

**Drug precursors**

Not listed.

**Industry or sector specific available guidance(s)**

NPCA-HMIS® III


<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic</td>
<td>/</td>
<td>none</td>
</tr>
<tr>
<td>Health</td>
<td>2</td>
<td>temporary or minor injury may occur</td>
</tr>
<tr>
<td>Flammability</td>
<td>3</td>
<td>material that can be ignited under almost all ambient temperature conditions</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>0</td>
<td>material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive</td>
</tr>
<tr>
<td>Personal protection</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Chronic: Chronic hazard

Flammability: Flammability hazard

Health: Health hazard

Personal protection: Personal protective equipment (PPE) for normal use

Reactivity
NFPA® 704

<table>
<thead>
<tr>
<th>Category</th>
<th>Degree of hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>3</td>
<td>material that can be ignited under almost all ambient temperature conditions</td>
</tr>
<tr>
<td>Health</td>
<td>2</td>
<td>material that, under emergency conditions, can cause temporary incapacitation or residual injury</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
<td>material that is normally stable, even under fire conditions</td>
</tr>
</tbody>
</table>

Special hazard

- Flammability: Flammability hazard
- Health: Health hazard
- Instability: Instability hazard

National inventories
Substance is listed in the following national inventories:

<table>
<thead>
<tr>
<th>Country</th>
<th>National inventories</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>AU</td>
<td>AICS</td>
<td>substance is listed</td>
</tr>
<tr>
<td>EU</td>
<td>ECSI</td>
<td>substance is listed</td>
</tr>
<tr>
<td>JP</td>
<td>CSCL-ENCS</td>
<td>substance is listed</td>
</tr>
<tr>
<td>KR</td>
<td>KECI</td>
<td>substance is listed</td>
</tr>
<tr>
<td>NZ</td>
<td>NZIoC</td>
<td>substance is listed</td>
</tr>
<tr>
<td>TR</td>
<td>CICR</td>
<td>substance is listed</td>
</tr>
<tr>
<td>TW</td>
<td>TCSI</td>
<td>substance is listed</td>
</tr>
</tbody>
</table>

Legend
- AICS: Australian Inventory of Chemical Substances
- CICR: Chemical Inventory and Control Regulation
- CSCL-ENCS: List of Existing and New Chemical Substances (CSCL-ENCS)
- EC: EC Substance Inventory (EINECS, ELINCS, NLP)
- KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals
- TCSI: Taiwan Chemical Substance Inventory

15.2 Chemical Safety Assessment
No Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information, including date of preparation or last revision

16.1 Indication of changes (revised safety data sheet)

<table>
<thead>
<tr>
<th>Section</th>
<th>Former entry (text/value)</th>
<th>Actual entry (text/value)</th>
<th>Safety-relevant</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Registration number (REACH): This information is not available.</td>
<td>Registration number (REACH): 01-2119484651-34-xxxx</td>
<td>yes</td>
</tr>
<tr>
<td>2.1</td>
<td>Classification Hazardous Products Regulations: This substance does not meet the criteria for classification.</td>
<td>Classification Hazardous Products Regulations</td>
<td>yes</td>
</tr>
</tbody>
</table>
### ISOhexane ROTISOLV® ≥96 %, Pestilyse® plus

**article number: 7576**

#### Table

<table>
<thead>
<tr>
<th>Section</th>
<th>Former entry (text/value)</th>
<th>Actual entry (text/value)</th>
<th>Safety-relevant</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2</td>
<td>Pictograms: change in the listing (table)</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.2</td>
<td>Precautionary statements - response: change in the listing (table)</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.2</td>
<td>Labelling of packages where the contents do not exceed 125 ml: change in the listing (table)</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>14.3</td>
<td>Transport hazard class(es)</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>14.8</td>
<td>Particulars in the shipper’s declaration: UN1208, HEXANES, 3, II, -21°C c.c., MARINE POLLUTANT</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>14.8</td>
<td>Marine pollutant: yes (hazardous to the aquatic environment)</td>
<td>yes</td>
<td></td>
</tr>
</tbody>
</table>

#### Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>“BC Regulation”</td>
<td>OHS Regulation: Section 5.48 (British Columbia)</td>
</tr>
<tr>
<td>ADN</td>
<td>Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)</td>
</tr>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)</td>
</tr>
<tr>
<td>CMR</td>
<td>Carcinogenic, Mutagenic or toxic for Reproduction</td>
</tr>
<tr>
<td>DGR</td>
<td>Dangerous Goods Regulations (see IATA/DGR)</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
</tr>
<tr>
<td>EmS</td>
<td>Emergency Schedule</td>
</tr>
<tr>
<td>GHS</td>
<td>“Globally Harmonized System of Classification and Labelling of Chemicals” developed by the United Nations</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IATA/DGR</td>
<td>Dangerous Goods Regulations (DGR) for the air transport (IATA)</td>
</tr>
<tr>
<td>ICAO</td>
<td>International Civil Aviation Organization</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>Index No</td>
<td>the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008</td>
</tr>
<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Pollution from Ships (abbr. of “Marine Pollutant”)</td>
</tr>
<tr>
<td>NLP</td>
<td>No-Longer Polymer</td>
</tr>
</tbody>
</table>
Abbr. | Descriptions of used abbreviations
--- | ---
PBT | Persistent, Bioaccumulative and Toxic
ppm | parts per million
REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals
Regulation OHS | Regulation respecting occupational health and safety: Permissible exposure values for airborne contaminants (Quebec)
RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
STEL | short-term exposure limit
TWA | time-weighted average
vPvB | very Persistent and very Bioaccumulative

Key literature references and sources for data
- Hazardous Products Regulations (HPR)
- UN Recommendations on the Transport of Dangerous Good
- Dangerous Goods Regulations (DGR) for the air transport (IATA)
- International Maritime Dangerous Goods Code (IMDG)

List of relevant phrases (code and full text as stated in chapter 2 and 3)

<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225</td>
<td>highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H304</td>
<td>may be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>causes skin irritation</td>
</tr>
<tr>
<td>H336</td>
<td>may cause drowsiness or dizziness</td>
</tr>
</tbody>
</table>

Disclaimer
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.