



# SAFETY DATA SHEET

according to Hazardous Products Regulations (HPR) 2022

## 636K41 - Spray Multi-Purpose Adhesive

Material number 636K41

Revision date: 17/12/2025  
Version: 12.1  
Replaces version: 12.0  
Language: en-CA  
Date of print: 1/6/2026

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### 1 Identification

#### Product identifier

Trade name: 636K41 - Spray Multi-Purpose Adhesive

#### Recommended use and restrictions on use

General use: Adhesive-Aerosol for orthopedic procedures.  
Reserved for industrial and professional use.

#### Initial supplier identifier

Company name: Otto Bock HealthCare Canada Ltd.

Street/POB-No.: 5470 Harvester Road

Postal code, city: Burlington, ON L7L 5N5, CA  
Canada

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Department responsible for information:

Mark Agro, Telephone: (800) 665-3327 (9 am - 5 pm)

Additional information:

Corporate headquarters:  
Ottobock SE & Co. KGaA  
Max-Näder-Straße 15  
Duderstadt  
Germany

#### Emergency telephone number

COLLECT, Telephone: (613) 996-6666

Transport:

CONSULTANK Lutz Harder GmbH (Contract QUALI003)

Telephone: +49 (0)178-4337434 (from USA: 01149 178 4337434)

### 2 Hazard identification

#### Classification

Aerosol 1

Extremely flammable aerosol. Pressurised container:  
May burst if heated.

Skin Irritation 2

Causes skin irritation.

Specific Target Organ Toxicity (Single Exposure) 3

May cause drowsiness or dizziness.

Aquatic toxicity - acute 2

Toxic to aquatic life.

Aquatic toxicity - chronic 2

Toxic to aquatic life with long lasting effects.

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### Information elements

Symbols:



Signal word:

**Danger**

Hazard statements:

Extremely flammable aerosol.  
Pressurised container: May burst if heated.  
Causes skin irritation.  
May cause drowsiness or dizziness.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash hands and face thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
  
IF ON SKIN: Wash with plenty of water/soap.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/doctor if you feel unwell.  
Specific treatment (see 'First aid' on this label).  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Collect spillage.  
  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
  
Dispose of contents/container to hazardous or special waste collection point.

### Other hazards known to the supplier with respect to the product

vapours may form explosive mixtures with air.  
May displace oxygen and cause rapid suffocation.

## 3 Composition/Information on ingredients

### Mixture

Chemical name:

Blend of active ingredients with propellant

### Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 74-98-6	Propane	10 - 15 %	Flammable Gas 1. Liquefied Gas. Aquatic toxicity - acute 3.
CAS 64742-49-0	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	10 - 15 %	Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - acute 2. Aquatic toxicity - chronic 2.
CAS 115-10-6	Dimethyl ether	7 - 13 %	Flammable Gas 1. Liquefied Gas.
CAS 31393-98-3	Copolymer of alpha- and beta-pinene	5 - 10 %	Aquatic toxicity - chronic 4.
CAS 64742-49-0	Hydrocarbons, C6, isoalkanes, < 5% n-hexane	5 - 10 %	Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - acute 2. Aquatic toxicity - chronic 2.
CAS 109-66-0	Pentane	5 - 10 %	Flammable Liquid 1. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - acute 2. Aquatic toxicity - chronic 2.
CAS 106-97-8	Butane	3 - 7 %	Flammable Gas 1. Liquefied Gas. Aquatic toxicity - acute 3.
CAS 75-28-5	Isobutane	1 - 5 %	Flammable Gas 1. Liquefied Gas. Aquatic toxicity - acute 3.
CAS 78-78-4	Isopentane	1 - 3 %	Flammable Liquid 1. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - chronic 2.

The actual concentration or concentration range is withheld as a trade secret.

Additional information: Contains Resin acids and rosin acids, hydrogenated, esters with glycerol.  
The maximum workplace exposure limits are, where necessary, listed in section 8.

## 4 First-aid measures

### Description of necessary first-aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	Remove person to fresh air and keep comfortable for breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical attention if problems persist.
In case of swallowing:	Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.
In case of skin contact:	After contact with skin, wash immediately with soap and plenty of water. In case of skin reactions, consult a physician.

In case of eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

### Most important symptoms and effects, whether acute or delayed

Causes skin irritation.  
May cause drowsiness or dizziness.

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

Do not give adrenaline or other stimulants.  
Treat symptomatically.

## 5 Fire-fighting measures

### Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Extinguishing is to be in accordance with the surrounding fire.

Unsuitable extinguishing media:

Full water jet

### Specific hazards arising from the product

Extremely flammable aerosol. vapours may proceed on the ground over great distances and cause fire and backflashes. vapours may form explosive mixtures with air.  
In case of fire may be liberated: Hydrocarbons, aldehydes, ketone, Carbon monoxide and carbon dioxide.

### Special protective equipment and precautions for fire-fighters

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Do not inhale explosion and combustion gases. Use fine water spray to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not allow fire water to penetrate into surface or ground water. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Do not breathe spray. Avoid contact with the substance. Eliminate all ignition sources if safe to do so.  
If possible, eliminate leakage. Provide adequate ventilation. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.  
Keep unprotected people away. Cordon off downwind area at risk and warn inhabitants.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.  
In case of release, notify competent authorities. Danger of explosion!

### Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For final cleaning rinse with solvents. Never return spills in original containers for re-use.

Additional information: Use only non-sparking tools.

## 7 Handling and storage

### Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe spray. Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear appropriate protective equipment.

Take off contaminated clothing and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools.

Take precautionary measures against static discharge.

Use only explosion-protected equipment/instruments. In partially filled containers explosive mixtures may form.

Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place. Keep container dry. Keep only in the original container.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store containers in upright position.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Do not store together with acids or oxidizing agents.

### 8 Exposure controls/Personal protection

#### Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
74-98-6	Propane	Canada: Alberta, OEL 8 hour	1,000 ppm
115-10-6	Dimethyl ether	Canada: BC, OEL TWA	1,000 ppm
109-66-0	Pentane	Canada: Alberta, OEL 8 hour	1,770 mg/m <sup>3</sup> ; 600 ppm
		Canada: BC, OEL TWA	1,000 ppm
		Canada: Québec, VEMP	1,000 ppm
106-97-8	Butane	Canada: Alberta, OEL 8 hour	1,000 ppm
		Canada: BC, OEL STEL	1,000 ppm
		Canada: Québec, VEMP	1,900 mg/m <sup>3</sup> ; 800 ppm
75-28-5	Isobutane	Canada: BC, OEL STEL	1,000 ppm
		Canada: Québec, VECD	1,000 ppm
78-78-4	Isopentane	Canada: Alberta, OEL 8 hour	1,770 mg/m <sup>3</sup> ; 600 ppm
		Canada: BC, OEL TWA	1,000 ppm
		Canada: Québec, VEMP	1,000 ppm

#### Appropriate engineering controls

Provide adequate ventilation. This can be achieved with local or room suction.

#### Individual protection measures, such as personal protective equipment

Respiratory protection:	Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. In case of inadequate ventilation wear respiratory protection. Recommendation: Use filter type A (= against vapours of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
Hand protection:	Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: polyethylene-nylon - Layer thickness: $\geq 0.3$ mm Breakthrough time: $> 480$ min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
Body protection:	Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.
General hygiene considerations:	Do not breathe spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.

#### Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

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### 9 Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	Form: Aerosol colourless
Odour:	Sweetish
Odour threshold:	No data available
Melting point and freezing point:	Not applicable, Aerosol
Boiling point or initial boiling point and boiling range:	Not applicable, Aerosol
Flammability:	Extremely flammable aerosol.
Lower and upper explosion limit or lower and upper flammability limit:	LEL (Lower Explosion Limit): Not determined UEL (Upper Explosive Limit): Not determined
Flash point/flash point range:	-42 °C (propellant)
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Solubility:	No data available
Partition coefficient — n-octanol/water:	2.36 log K(o/w) (Propane) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. 3.45 log K(o/w) (Pentane) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. 3.6 log K(o/w) (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. 3.6 log K(o/w) (Hydrocarbons, C6, isoalkanes, < 5% n-hexane) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
Vapour pressure:	No data available
Density and/or relative density	approx. 0.7 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

#### Additional information

Explosive properties:	vapours may form explosive mixtures with air.
Ignition temperature:	Not determined

### 10 Stability and reactivity

Reactivity:	Extremely flammable aerosol.
Chemical stability:	Stable under recommended storage conditions.

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### Possibility of hazardous reactions:

vapours may form explosive mixtures with air. Pressurised container: May burst if heated.

### Conditions to avoid:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### Incompatible materials:

Acids, oxidizing agents

### Hazardous decomposition products:

No hazardous decomposition products when regulations for storage and handling are observed.

## 11 Toxicological information

### Information on the likely routes of exposure

No data available

### Health hazard information

Acute toxicity (oral): Based on available data, the classification criteria are not met.

ATEmix (calculated): > 5,000 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

ATEmix (calculated): > 5,000 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

ATEmix (calculated, vapour): > 50 mg/L/4h

Skin corrosion/irritation: Skin Irritation 2 = Causes skin irritation.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) 3 = May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Lack of data.

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

### Symptoms

Depression of central nervous system.

In case of inhalation: Higher doses may lead to a narcotic effect.

In case of ingestion: Nausea, vomiting, Diarrhea

After contact with skin: Upon direct contact with skin may cause itching and redness.

## 12 Ecological information

### Ecotoxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

Information about Propane (CAS 74-98-6):

Fish toxicity:

LC50: 53.1 mg/L/96h (data obtained by analogy conclusion, e.g. (Q)SAR)

NOEC: 3.6 mg/L/30d (data obtained by analogy conclusion, e.g. (Q)SAR)

Daphnia toxicity:

EC50: 29.7 mg/L/48h (data obtained by analogy conclusion, e.g. (Q)SAR)

NOEC: 1.95 mg/L/30d (data obtained by analogy conclusion, e.g. (Q)SAR)

Algae toxicity:

EC50: 20.6 mg/L/72h (data obtained by analogy conclusion, e.g. (Q)SAR)

Information about Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (comparable to CAS 64742-49-0):

Fish toxicity:

LL50 Oncorhynchus mykiss: > 13.4 mg/L/96h (OECD 203)

EL10 Oncorhynchus mykiss: 1.38 mg/L/96h (data obtained by analogy conclusion, e.g. (Q)SAR)

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): 3 mg/L/48h (OECD 202)

NOEC Daphnia magna (Big water flea): 0.17 mg/L/21d (OECD 211)

Algae toxicity:

ErL50 Pseudokirchneriella subcapitata (green algae): > 10 mg/L/72h

Information about Hydrocarbons, C6, isoalkanes, < 5% n-hexane (comparable to CAS 64742-49-0):

Fish toxicity:

LL50 Oncorhynchus mykiss: 12 mg/L/96h (OECD 203)

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): 3 mg/L/48h (OECD 202)

Algae toxicity:

ErL50 Pseudokirchneriella subcapitata (green algae): 55 mg/L/72h (OECD 201)

Information about Pentane (CAS 109-66-0):

Fish toxicity:

LL50 Oncorhynchus mykiss: 10.6 mg/L/96h (data obtained by analogy conclusion, e.g. (Q)SAR)

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): 18.5 mg/L/48h (data obtained by analogy conclusion, e.g. (Q)SAR)

Algae toxicity:

ErL50 Pseudokirchneriella subcapitata (green algae): 7.79 mg/L/72h (data obtained by analogy conclusion, e.g. (Q)SAR)

### Persistence and degradability

Further details: Biodegradability:  
Information about Propane (CAS 74-98-6):  
100%/28d (data obtained by analogy conclusion, e.g. (Q)SAR), easily bio-degradable  
Information about Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (comparable to CAS 64742-49-0):  
Oxygen consumption: 98%/28d (OECD 301 F), easily bio-degradable  
Information about Hydrocarbons, C6, isoalkanes, < 5% n-hexane (comparable to CAS 64742-49-0):  
Oxygen consumption: 98%/28d (OECD 301 F), easily bio-degradable  
Information about Pentane (CAS 109-66-0):  
Oxygen consumption: 87%/28d (OECD 301 F), easily bio-degradable

### Bioaccumulative potential

Partition coefficient — n-octanol/water:  
2.36 log K(o/w) (Propane)  
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.  
3.45 log K(o/w) (Pentane)  
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.  
3.6 log K(o/w) (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)  
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.  
3.6 log K(o/w) (Hydrocarbons, C6, isoalkanes, < 5% n-hexane)  
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

### Mobility in soil

No data available

### Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## 13 Disposal considerations

### Waste treatment methods

#### Product

Recommendation: Do not pierce or burn, even after use. Dispose of waste according to applicable legislation. Do not allow to enter drains.

#### Package

Recommendation: Empty carefully and completely, if possible. Dispose of waste according to applicable legislation. Handle empty containers with care. Incineration may cause explosion. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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### 14 Transport information

#### UN number

TDG: UN1950  
IMDG, IATA-DGR: UN 1950

#### UN proper shipping name

TDG, IMDG: UN 1950, AEROSOLS  
IATA-DGR: UN 1950, AEROSOLS, FLAMMABLE

#### Transport hazard class

TDG: 2.1 (6.1)  
IMDG: Class 2.1, Subrisk -  
IATA-DGR: Class 2.1

#### Packing group

TDG, IATA-DGR: not applicable  
IMDG: -

#### Environmental hazards

Marine pollutant: yes

#### Special precautions in connection with transport or conveyance either within or outside the premises

#### Canada: Transportation of Dangerous Goods (TDG)

Special Provisions: 80  
Explosive limit and limited quantity index: 0.125 L  
Passenger carrying road or rail index: 75 L

#### Sea transport (IMDG)

EmS: F-D, S-U  
Special Provisions: 63 190 277 327 344 381 959  
Limited quantities: 1000 mL  
Excepted quantities: E0  
Package - Instructions: P207, LP200  
Package - Provisions: PP87, L2  
IBC - Instructions: -  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: -  
Tank instructions - Provisions: -  
Stowage and handling: SW1 SW22  
Segregation: SG69  
Properties and observations: -  
Marine pollutant: yes  
Segregation group: none



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### Air transport (IATA)

Proper shipping name: UN 1950, AEROSOLS, FLAMMABLE  
Hazard label: Flamm. gas  
Excepted Quantity Code: E0  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G  
Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg  
Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg  
Special Provisions: A145 A167 A802  
Emergency Response Guide-Code (ERG): 10L

## 15 Regulatory information

### National regulations - Canada

Propane: DSL: listed  
Dimethyl ether: DSL: listed  
Copolymer of alpha- and beta-pinene: DSL: listed  
Butadiene, styrene, divinylbenzene polymer: DSL: listed  
Pentane: DSL: listed  
Resin acids and rosin acids, hydrogenated, esters with glycerol: DSL: listed  
Butane: DSL: listed  
Isobutane: DSL: listed  
Isopentane: DSL: listed

### Further regulations, limitations and legal requirements

No data available

## 16 Other information

Text for labelling: Contains:  
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
Hydrocarbons, C6, isoalkanes, < 5% n-hexane  
Pentane  
Isopentane  
Revision date: 17/12/2025  
Date of first version: 4/5/2011  
Reason of change: General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022  
Classification procedure: Physical hazards: on basis of test data  
Health hazards, environmental hazards: calculation method

### Abbreviations and acronyms:

Aerosol: Aerosol  
Aquatic toxicity - acute: Hazardous to the aquatic environment - acute  
Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic  
AS/NZS: Australian Standards/New Zealand Standards  
Aspiration Toxicity: Aspiration toxicity  
ATEmix: Acute Toxicity Estimate of mixture  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
DSL: Domestic Substances List  
EC: European Community  
EC50: Effective Concentration 50%  
EL50: Effective loading rate 50%  
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods  
EN: European Standard  
EQ: Excepted quantities  
Flammable Gas: Flammable gases  
Flammable Liquid: Flammable liquid  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
IMO: International Maritime Organization  
LC50: Median lethal concentration  
LEL: Lower Explosion Limit  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
NOEC: No Observed Effect Concentration  
OECD: Organisation for Economic Co-operation and Development  
OEL: Occupational Exposure Limit Value  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
QSAR: Quantitative Structure-Activity Relationship  
Skin Irritation: Skin irritation  
STOT SE: Specific target organ toxicity - single exposure  
TDG: Transportation of Dangerous Goods Regulation in Canada  
TLV: Threshold Limit Value  
TRGS: Technical Rules for Hazardous Substances  
UN: United Nations  
vPvB: Very persistent and very bioaccumulative  
WEL: Workplace Exposure Limit

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.