



# SAFETY DATA SHEET

according to Hazardous Products Regulations (HPR) 2022

## 636W1 - OTTO BOCK Universal Adhesive

Material number 636W 1

Revision date: 17/12/2025  
Version: 16.4  
Replaces version: 16.3  
Language: en-CA  
Date of print: 1/6/2026

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### 1 Identification

#### Product identifier

Trade name: 636W1 - OTTO BOCK Universal Adhesive

#### Recommended use and restrictions on use

General use: Adhesive 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

WWW: www.ottobock.ca

Email: info.canada@ottobock.com

Telephone: (800) 665-3327

Telefax: (800) 463-3659

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

Flammable Liquid 2

Eye Irritation 2A

Reproductive toxicity 2

Specific Target Organ Toxicity (Single Exposure) 3

Specific Target Organ Toxicity (Repeated Exposure) 2

Highly flammable liquid and vapour.

Causes serious eye irritation.

Suspected of damaging the unborn child.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

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### Information elements

Symbols:



Signal word:

**Danger**

Hazard statements:

Highly flammable liquid and vapour.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
Suspected of damaging the unborn child.  
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

Obtain special instructions before use.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Do not breathe vapours.  
Wash hands and face thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Get medical advice/attention.  
Call a POISON CENTER/doctor if you feel unwell.  
If eye irritation persists: Get medical advice/attention.  
In case of fire: Use ... to extinguish.

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

Dispose of contents/container to hazardous or special waste collection point.

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

Potentially explosive mixtures may form if adequate ventilation is not provided.  
Inhaling can lead to irritations of the respiratory tract and mucous membrane.  
Higher doses may lead to a narcotic effect.  
Special danger of slipping by leaking/spilling product. the product is skin resorptive

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### 3 Composition/Information on ingredients

#### Mixture

Chemical name: Cellulose in organic solvents.

Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 67-64-1	Acetone	35 - 40 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 141-78-6	Ethyl acetate	20 - 25 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 108-88-3	Toluene	10 - 15 %	Flammable Liquid 2. Skin Irritation 2. Reproductive toxicity 2. Specific Target Organ Toxicity (Single Exposure) 3. Specific Target Organ Toxicity (Repeated Exposure) 2. Aspiration Toxicity 1.
CAS 67-63-0	Isopropyl alcohol	5 - 10 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 123-86-4	n-Butyl acetate	1 - 5 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 108-94-1	Cyclohexanone	< 1 %	Flammable Liquid 3. Acute Toxicity 4 (inhalative).

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

### 4 First-aid measures

#### Description of necessary first-aid measures

General information:	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider: Pay attention to self-protection!
In case of inhalation:	Move victim to fresh air, put at rest and loosen restrictive clothing. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical attention. If victim is at risk of losing consciousness, position and transport on their side.
In case of swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately get medical attention.
In case of skin contact:	After contact with skin, wash immediately with soap and plenty of water. Take off contaminated clothing and wash it before reuse. 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. Subsequently consult an ophthalmologist.

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

May cause drowsiness or dizziness. Causes serious eye irritation.

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

Combat acidosis. Monitor alkali reserves.

Monitor breathing. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen.

Attention: several hours latency period.

Treat symptomatically.

## 5 Fire-fighting measures

### Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water spray jet, Sand, extinguishing powder, carbon dioxide.

Unsuitable extinguishing media:

Strong water jet Full water jet

### Specific hazards arising from the product

Highly flammable liquid and vapour.

Air combined with vapours may form potentially explosive mixtures that are heavier than air. vapours may proceed on the ground over great distances and cause fire and backflashes.

In case of fire may be liberated: 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:

Use fine water spray to cool endangered containers.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours. 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. Keep unprotected people away.

Take off contaminated clothing and wash it before reuse. Cordon off downwind area at risk and warn inhabitants.

Environmental precautions:

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

If necessary, notify appropriate authorities.

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### 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).

Beware of reignition. Thoroughly clean surrounding area.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.  
Special danger of slipping by leaking/spilling product.

## 7 Handling and storage

### Precautions for safe handling

Advices on safe handling: Obtain special instructions before use. Provide adequate ventilation, and local exhaust as needed. Avoid breathing vapours. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.  
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.  
When handling large quantities, supply emergency spray.

Precautions against fire and explosion:  
Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.  
Use only explosion-protected equipment/instruments. Do not weld.  
In partially filled containers explosive mixtures may form.

### Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:  
Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Keep only in the original container.  
Protect from heat and direct sunlight.  
Store containers in upright position.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.  
Keep away from acids and oxidizing agents.  
On contact with barium hydroxide, sodium hydroxide and many other alkaline materials condensation may occur. Attacks many plastics and rubbers.

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### 8 Exposure controls/Personal protection

#### Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-64-1	Acetone	Canada: Alberta, OEL 15 min	1,800 mg/m <sup>3</sup> ; 750 ppm
		Canada: Alberta, OEL 8 hour	1,200 mg/m <sup>3</sup> ; 500 ppm
		Canada: BC, OEL STEL	500 ppm
		Canada: BC, OEL TWA	250 ppm
		Canada: Québec, VECD	500 ppm
		Canada: Québec, VEMP	250 ppm
141-78-6	Ethyl acetate	Canada: Alberta, OEL 8 hour	1,440 mg/m <sup>3</sup> ; 400 ppm
		Canada: BC, OEL TWA	150 ppm
		Canada: Québec, VEMP	1,440 mg/m <sup>3</sup> ; 400 ppm
108-88-3	Toluene	Canada: Alberta, OEL 8 hour	188 mg/m <sup>3</sup> ; 50 ppm (may be absorbed through the skin)
		Canada: BC, OEL TWA	20 ppm
		Canada: Québec, VEMP	20 ppm
67-63-0	Isopropyl alcohol	Canada: Alberta, OEL 15 min	984 mg/m <sup>3</sup> ; 400 ppm
		Canada: Alberta, OEL 8 hour	492 mg/m <sup>3</sup> ; 200 ppm
		Canada: BC, OEL STEL	400 ppm
		Canada: BC, OEL TWA	200 ppm
		Canada: Québec, VECD	400 ppm
		Canada: Québec, VEMP	200 ppm
123-86-4	n-Butyl acetate	Canada: Alberta, OEL 15 min	950 mg/m <sup>3</sup> ; 200 ppm
		Canada: Alberta, OEL 8 hour	713 mg/m <sup>3</sup> ; 150 ppm
		Canada: BC, OEL STEL	150 ppm
		Canada: BC, OEL TWA	50 ppm
		Canada: Québec, VECD	150 ppm
		Canada: Québec, VEMP	50 ppm
108-94-1	Cyclohexanone	Canada: Alberta, OEL 15 min	200 mg/m <sup>3</sup> ; 50 ppm (may be absorbed through the skin)
		Canada: Alberta, OEL 8 hour	80 mg/m <sup>3</sup> ; 20 ppm (may be absorbed through the skin)
		Canada: BC, OEL STEL	50 ppm (may be absorbed through the skin)
		Canada: BC, OEL TWA	20 ppm (may be absorbed through the skin)
		Canada: Québec, VECD	50 ppm (may be absorbed through the skin)
		Canada: Québec, VEMP	20 ppm (may be absorbed through the skin)

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Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
67-64-1	Acetone	USA: ACGIH-BEI, urine	25 mg/L	acetone	end of exposure or end of shift
108-88-3	Toluene	USA: ACGIH-BEI, blood	0.02 mg/L	Toluene in blood	Prior to last shift of workweek
		USA: ACGIH-BEI, urine	0.03 mg/L	Toluene in urine	end of exposure or end of shift
		USA: ACGIH-BEI, urine	0.3 mg/g creatinine	o-Cresol in urine	end of exposure or end of shift
67-63-0	Isopropyl alcohol	USA: ACGIH-BEI, urine	40 mg/L	Acetone in urine	end of shift at end of work week
108-94-1	Cyclohexanone	USA: ACGIH-BEI, urine	8 mg/L	Cyclohexanol	end of exposure or end of shift
		USA: ACGIH-BEI, urine	80 mg/L	1,2-Cyclohexane diol	end of shift at end of work week

### Appropriate engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Explosion protection required.

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

**Respiratory protection:** Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Use filter type A (= against vapours of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

**Hand protection:** Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Glove material: Nitrile rubber - Layer thickness 0,1 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:** Flame retardant, antistatic and chemical resistant protective clothing.

**General hygiene considerations:**

Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid breathing vapours. Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse.  
Contaminated work clothing should not be allowed out of the workplace.  
When using do not eat or drink. Wash hands thoroughly after handling.  
When handling large quantities, supply emergency spray.

### 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:	colourless clear
Odour:	Solvent-like
Odour threshold:	No data available
Melting point and freezing point:	No data available
Boiling point or initial boiling point and boiling range:	56.05 °C
Flammability:	Highly flammable liquid and vapour.
Lower and upper explosion limit or lower and upper flammability limit:	LEL (Lower Explosion Limit): 1.10 Vol-% UEL (Upper Explosive Limit): 13.00 Vol-%
Flash point/flash point range:	-17 °C
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Dynamic viscosity:	at 20 °C: 7,000 mPa*s
Water solubility:	at 20 °C: immiscible
Partition coefficient — n-octanol/water:	-0.23 log P(o/w) (Acetone) Based on the n-octanol/water partition coefficient accumulation in organisms is not expected. 2.73 log P(o/w) (Toluene) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. 0.68 log P(o/w) (ethyl acetate) Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.
Vapour pressure:	at 20 °C: 70 hPa at 50 °C: (Acetone) 800 hPa
Density and/or relative density	at 20 °C: 1.01 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

#### Additional information

Explosive properties:	vapours may form explosive mixtures with air.
Ignition temperature:	415 °C

### 10 Stability and reactivity

Reactivity:	Highly flammable liquid and vapour. vapours may form explosive mixtures with air.
Chemical stability:	Stable under recommended storage conditions.

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### Possibility of hazardous reactions:

Heating will lead to pressure increase: danger of bursting and explosion.

### Conditions to avoid:

Keep away from heat sources, sparks and open flames.  
Protect from direct sunlight.

### Incompatible materials:

Attacks many plastics and rubbers.  
On contact with barium hydroxide, sodium hydroxide and many other alkaline materials condensation may occur.  
Keep away from acids and 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.

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

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

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Eye Irritation 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: Reproductive toxicity 2 = Suspected of damaging the unborn child.

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): Specific Target Organ Toxicity (Repeated Exposure) 2 = May cause damage to organs through prolonged or repeated exposure.

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

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Other information:

Information about Acetone:  
LD50 Rat, oral: 5,800 mg/kg  
LD50 Rabbit, dermal: > 7,426 mg/kg  
LC50 Rat, inhalative, vapour: 76 mg/L/4h

Information about Ethyl acetate:  
LD50 Rabbit, oral: > 4,934 mg/kg  
LD50 Rabbit, dermal: > 20,000 mg/kg

Information about Toluene:  
LD50 Rat, oral: > 5,000 mg/kg  
LD50 Rabbit, dermal: > 5,000 mg/kg  
LC50 Rat, inhalative, vapour: 30 mg/L/4h

### Symptoms

Symptoms: Headache, dizziness, fatigue, muscle weakness, numbing effect and, in exceptional cases, unconsciousness. Danger of metabolic acidosis.

In case of inhalation: vapours may cause drowsiness and dizziness.

In case of ingestion:  
The absorption of even very small amounts of this product through the stomach may lead to health problems. Symptoms: Gastric and intestinal problems.

After contact with skin: Repeated exposure may cause skin dryness or cracking.  
The product can be absorbed through skin.

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

## 12 Ecological information

### Ecotoxicity

Aquatic toxicity:

Information about Acetone:  
Fish toxicity: LC50 Pimephales promelas (fathead minnow) 8120 mg/L/96h (OCED 203)  
Daphnia toxicity: EC50 Daphnia pulex (water flea) 8800 mg/L/48h  
NOEC Daphnia magna (Big water flea) 2212 mg/L/28d  
Bacterial toxicity: effects on activated sludge: EC50 61150 mg/L/0.5h

Information about Ethyl acetate:  
Fish toxicity: LC50 Pimephales promelas (fathead minnow) 134 mg/L/96h  
NOEC Pimephales promelas (fathead minnow) < 9,65 mg/L/32d  
Daphnia toxicity: NOEC Daphnia magna (Big water flea) 2,4 mg/L/21d

### Persistence and degradability

Further details: No data available

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### Bioaccumulative potential

Partition coefficient — n-octanol/water:

-0.23 log P(o/w) (Acetone)

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

2.73 log P(o/w) (Toluene)

Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

0.68 log P(o/w) (ethyl acetate)

Based on the n-octanol/water partition coefficient 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: Incinerate as hazardous waste according to applicable local, state, and federal regulations.

#### Package

Recommendation: Dispose of waste according to applicable legislation.

## 14 Transport information

### UN number

TDG: UN1133

IMDG, IATA-DGR: UN 1133

### UN proper shipping name

TDG: UN 1133, adhesives

IMDG, IATA-DGR: UN 1133, ADHESIVES

### Transport hazard class

TDG: 3

IMDG: Class 3, Subrisk -

IATA-DGR: Class 3

### Packing group

TDG, IMDG, IATA-DGR: III



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### Environmental hazards

Marine pollutant: no

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

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

Explosive limit and limited quantity index: 5L  
Passenger carrying road or rail index: 60L

#### Sea transport (IMDG)

EmS: F-E, S-D  
Special Provisions: 223 955  
Limited quantities: 5 L  
Excepted quantities: E1  
Package - Instructions: P001, LP01  
Package - Provisions: PP1  
IBC - Instructions: IBC03  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: T2  
Tank instructions - Provisions: TP1  
Stowage and handling: Category A.  
Properties and observations: Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.  
Marine pollutant: no  
Segregation group: none

#### Air transport (IATA)

Proper shipping name: UN 1133, ADHESIVES  
Hazard label: Flamm. liquid  
Excepted Quantity Code: E1  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y344 - Max. Net Qty/Pkg. 10 L  
Passenger and Cargo Aircraft: Pack.Instr. 355 - Max. Net Qty/Pkg. 60 L  
Cargo Aircraft only: Pack.Instr. 366 - Max. Net Qty/Pkg. 220 L  
Special Provisions: A3  
Emergency Response Guide-Code (ERG): 3L

## 15 Regulatory information

### National regulations - Canada

Acetone: DSL: listed  
Ethyl acetate: DSL: listed  
Toluene: DSL: listed  
Priority Substances List: listed (PSL 1)  
Isopropyl alcohol: DSL: listed  
n-Butyl acetate: DSL: listed  
Cyclohexanone: DSL: listed

### Further regulations, limitations and legal requirements

No data available

## 16 Other information

Text for labelling: Contains Acetone, Ethyl acetate, Isopropyl alcohol and Toluene.  
Restricted to professional users.

Revision date: 17/12/2025

Date of first version: 30/10/1994

Reason of change: General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022  
General revision: Safety Data Sheet according to HCS 2024 (29 CFR 1910.1200)

### Abbreviations and acronyms:

Acute Toxicity: Acute toxicity  
AS/NZS: Australian Standards/New Zealand Standards  
Aspiration Toxicity: Aspiration toxicity  
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%  
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods  
EN: European Standard  
EQ: Excepted quantities  
Eye Irritation: Eye irritation  
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  
LD50: Lethal dose 50%  
LEL: Lower Explosion Limit  
log P(o/w): Partition coefficient: octanol/water  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
NOEC: No Observed Effect Concentration  
OEL: Occupational Exposure Limit Value  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
PSL: Priority Substances List  
Reproductive toxicity: Reproductive toxicity  
Skin Irritation: Skin irritation  
STOT RE: Specific target organ toxicity - repeated exposure  
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.