

635L13 - Spray Lacquer, skin color-caucasian

Material number 635L13

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1 Identification

Product identifier

Trade name: 635L13 - Spray Lacquer, skin color-caucasian

Recommended use and restrictions on use

General use: Varnish.
For commercial user only.

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

Aerosol 1 Extremely flammable aerosol. Pressurised container:
May burst if heated.
Eye Irritation 2A Causes serious eye irritation.
Specific Target Organ Toxicity (Single Exposure) 3 May cause drowsiness or dizziness.

Information elements

Symbols:



Signal word:

Danger

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Hazard statements: Extremely flammable aerosol.
Pressurised container: May burst if heated.
Causes serious eye irritation.
May cause drowsiness or dizziness.

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 spray.
Wear protective gloves/protective clothing/eye protection.
Call a POISON CENTER/doctor if you feel unwell.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Other hazards known to the supplier with respect to the product

Potentially explosive mixtures may form if adequate ventilation is not provided. Higher doses may lead to a narcotic effect.
The product is skin resorptive.
Endocrine disrupting properties:
Butanone, CAS 78-93-3: List II

3 Composition/Information on ingredients

Mixture

Chemical name: Blend of active ingredients with propellant.

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Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 67-64-1	Acetone	25 - 50 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 123-86-4	n-Butyl acetate	10 - 25 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 9004-70-0	Nitrocellulose	5 - 10 %	Explosive 1.1.
CAS 108-65-6	2-Methoxy-1-methylethyl acetate	2.5 - 5 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 64-17-5	Ethanol	2.5 - 5 %	Flammable Liquid 2. Eye Irritation 2A.
CAS 1330-20-7	Xylene (isomeric mixture)	1 - 2.5 %	Flammable Liquid 3. Acute Toxicity 4 (dermal). Acute Toxicity 4 (inhalative). Skin Irritation 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3. Specific Target Organ Toxicity (Repeated Exposure) 2. Aspiration Toxicity 1. Aquatic toxicity - chronic 3.
CAS 7397-62-8	Glycollic acid butyl ester	< 1 %	Eye Damage 1. Reproductive toxicity 2.
CAS 78-93-3	Butanone	< 1 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 100-41-4	Ethylbenzene	< 1 %	Flammable Liquid 2. Acute Toxicity 4 (inhalative). Specific Target Organ Toxicity (Repeated Exposure) 2. Aspiration Toxicity 1.
CAS 71-36-3	Butan-1-ol	< 1 %	Flammable Liquid 3. Acute Toxicity 4 (oral). Skin Irritation 2. Eye Damage 1. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 14059-33-7	Bismuth vanadium tetraoxide	< 1 %	Specific Target Organ Toxicity (Repeated Exposure) 2.
CAS 7779-90-0	Zinc phosphate	< 0.25 %	Aquatic toxicity - acute 1 (M-factor = 1). Aquatic toxicity - chronic 1 (M-factor = 1).
CAS 74-98-6	Propane	10 - 25 %	Flammable Gas 1. Compressed Gas.
CAS 106-97-8	Butane, <0,1% Butadiene	5 - 10 %	Flammable Gas 1. Compressed Gas.
CAS 75-28-5	i-Butane, <0,1% Butadiene	5 - 10 %	Flammable Gas 1A. Compressed Gas.

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

Additional information: Contains Titanium dioxide. 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:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
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. Seek medical attention.
In case of skin contact:	Immediately clean with water and soap followed by thorough rinsing. 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.

Most important symptoms and effects, whether acute or delayed

May cause drowsiness or dizziness.
Causes serious eye irritation.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Higher doses may lead to a narcotic effect.

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

Treat symptomatically.

5 Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:	Extinguishing powder, alcohol resistant foam, carbon dioxide.
Unsuitable extinguishing media:	Full water jet

Specific hazards arising from the product

Extremely flammable aerosol. Pressurised container: May burst if heated.
May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: nitrogen oxides (NOx), 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:	Heating will lead to pressure increase: danger of bursting and explosion. 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 vapours and spray. Avoid contact with the substance.
Eliminate all ignition sources if safe to do so. 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. Danger of explosion!
In case of release, notify competent authorities.

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

7 Handling and storage

Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe vapours and spray. 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.
Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.

Precautions against fire and explosion:

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

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 ³ ; 750 ppm
		Canada: Alberta, OEL 8 hour	1,200 mg/m ³ ; 500 ppm
		Canada: BC, OEL STEL	500 ppm
		Canada: BC, OEL TWA	250 ppm
		Canada: Québec, VECD	500 ppm
		Canada: Québec, VEMP	250 ppm
123-86-4	n-Butyl acetate	Canada: Alberta, OEL 15 min	950 mg/m ³ ; 200 ppm
		Canada: Alberta, OEL 8 hour	713 mg/m ³ ; 150 ppm
		Canada: BC, OEL STEL	150 ppm
		Canada: BC, OEL TWA	50 ppm
		Canada: Québec, VECD	150 ppm
		Canada: Québec, VEMP	50 ppm
108-65-6	2-Methoxy-1-methylethyl acetate	Canada: BC, OEL STEL	75 ppm
		Canada: BC, OEL TWA	50 ppm
		Canada: Ontario, OEL TWA	270 mg/m ³ ; 50 ppm
64-17-5	Ethanol	Canada: Alberta, OEL 8 hour	1,880 mg/m ³ ; 1,000 ppm
		Canada: BC, OEL STEL	1,000 ppm
		Canada: Québec, VECD	1,000 ppm
1330-20-7	Xylene (isomeric mixture)	Canada: Alberta, OEL 15 min	651 mg/m ³ ; 150 ppm
		Canada: Alberta, OEL 8 hour	434 mg/m ³ ; 100 ppm
		Canada: BC, OEL TWA	20 ppm
		Canada: Québec, VECD	651 mg/m ³ ; 150 ppm
		Canada: Québec, VEMP	434 mg/m ³ ; 100 ppm
78-93-3	Butanone	Canada: Alberta, OEL 15 min	885 mg/m ³ ; 300 ppm
		Canada: Alberta, OEL 8 hour	590 mg/m ³ ; 200 ppm
		Canada: BC, OEL STEL	100 ppm
			(may be absorbed through the skin)
		Canada: BC, OEL TWA	50 ppm
			(may be absorbed through the skin)
100-41-4	Ethylbenzene	Canada: Québec, VECD	300 mg/m ³ ; 100 ppm
		Canada: Québec, VEMP	150 mg/m ³ ; 50 ppm
		Canada: Alberta, OEL 15 min	543 mg/m ³ ; 125 ppm
		Canada: Alberta, OEL 8 hour	434 mg/m ³ ; 100 ppm
		Canada: BC, OEL TWA	20 ppm
71-36-3	Butan-1-ol	Canada: Québec, VEMP	20 ppm
		Canada: Alberta, OEL 8 hour	60 mg/m ³ ; 20 ppm
		Canada: BC, OEL Ceiling	30 ppm
		Canada: BC, OEL TWA	15 ppm
		Canada: Québec, VEMP	20 ppm
74-98-6	Propane	Canada: Alberta, OEL 8 hour	1,000 ppm

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CAS No.	Designation	Type	Limit value
106-97-8	Butane, <0,1% Butadiene	Canada: Alberta, OEL 8 hour	1,000 ppm
		Canada: BC, OEL STEL	1,000 ppm
		Canada: Québec, VEMP	1,900 mg/m ³ ; 800 ppm
75-28-5	i-Butane, <0,1% Butadiene	Canada: BC, OEL STEL	1,000 ppm
		Canada: Québec, VECD	1,000 ppm
13463-67-7	Titanium dioxide	Canada: Alberta, OEL 8 hour	10 mg/m ³
		Canada: BC, OEL TWA	10 mg/m ³ (inhalable fraction)
		Canada: BC, OEL TWA	3 mg/m ³ (respirable fraction)
		Canada: Québec, VEMP	10 mg/m ³ (total dust)

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
1330-20-7	Xylene (isomeric mixture)	USA: ACGIH-BEI, urine	0.3 g/g creatinine	Methylhippuric acids in ur	end of exposure or end of shift
78-93-3	Butanone	USA: ACGIH-BEI, urine	2 mg/L	MEK	end of exposure or end of shift
100-41-4	Ethylbenzene	USA: ACGIH-BEI, urine	0.15 g/g creatinine	Sum of mandelic acid and phenylglyoxylic acid in urine	end of shift at end of work week

Appropriate engineering controls

Provide good ventilation and/or an exhaust system in the work area.

Individual protection measures, such as personal protective equipment

Respiratory protection:	Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Recommendation: wear a half mask respirator with type A1P2 filter or better. 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: Butyl caoutchouc (butyl rubber) (0.7 mm). Permanent contact: 15 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.

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General hygiene considerations:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.
Do not breathe vapours and spray. Do not get in eyes, on skin, or on clothing.
When using do not eat or drink.
Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.
Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

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 skin-coloured
Odour:	Characteristic
Odour threshold:	Not determined
Melting point and freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	-44 °C
Flammability:	Extremely flammable aerosol.
Lower and upper explosion limit or lower and upper flammability limit:	LEL (Lower Explosion Limit): 1.70 Vol-% UEL (Upper Explosive Limit): 13.00 Vol-%
Flash point/flash point range:	<= 0 °C (liquid)
Evaporation rate:	Not applicable
Auto-ignition temperature:	Not self-igniting
Decomposition temperature:	Not determined
pH:	Not determined
Kinematic viscosity:	Not determined
Dynamic viscosity:	Not determined
Water solubility:	Slightly miscible
Partition coefficient — n-octanol/water:	Not determined
Vapour pressure:	at 20 °C: 3,600 hPa at 50 °C: 800 hPa
Density and/or relative density	Not determined
Vapour density:	Not determined
Particle characteristics:	Not applicable

Additional information

Explosive properties:	vapours may form explosive mixtures with air.
Ignition temperature:	365 °C (Butane)

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Solvent content: 86.1 % (liquid and propellant)
Solid content: 13.6 %

10 Stability and reactivity

Reactivity: Extremely flammable aerosol.
vapours may form explosive mixtures with air.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions:
Pressurised container: May burst if heated.

Conditions to avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Incompatible materials: No data available

Hazardous decomposition products:
No decomposition when used properly.

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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.

ATEmix dermal: 97,085 mg/kg

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

ATEmix inhalative: 534 mg/L74h

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

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

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

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

Symptoms

Inhaling can lead to irritations of the respiratory tract and mucous membrane.

Higher doses may lead to a narcotic effect.

In case of inhalation:

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

After contact with skin: Repeated exposure may cause skin dryness or cracking.

The product is skin resorptive.

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

12 Ecological information

Ecotoxicity

Further details: No data available

Persistence and degradability

Further details: No data available

Bioaccumulative potential

Partition coefficient — n-octanol/water:

Not determined

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.
Special waste. Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Package

Recommendation: Dispose of waste according to applicable legislation.
Empty carefully and completely, if possible. Handle empty containers with care.
Incineration may cause explosion.

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
IMDG: Class 2.1, Subrisk -
IATA-DGR: Class 2.1

Packing group

TDG, IATA-DGR: not applicable
IMDG: -

Environmental hazards

Marine pollutant: no



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

Canada: Transportation of Dangerous Goods (TDG)

Special Provisions: 80, 107
Explosive limit and limited quantity index: 1 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: no
Segregation group: none

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

Acetone:	DSL: listed
n-Butyl acetate:	DSL: listed
Nitrocellulose:	DSL: listed
2-Methoxy-1-methylethyl acetate:	DSL: listed
Ethanol:	DSL: listed
Xylene (isomeric mixture):	DSL: listed Priority Substances List: listed (PSL 1)
Glycollic acid butyl ester:	DSL: listed
Butanone:	DSL: listed
Ethylbenzene:	DSL: listed
Butan-1-ol:	DSL: listed
Bismuth vanadium tetraoxide:	DSL: listed
Zinc phosphate:	DSL: listed
Propane:	DSL: listed
Butane, <0,1% Butadiene:	DSL: listed
i-Butane, <0,1% Butadiene:	DSL: listed
Titanium dioxide:	DSL: listed

Further regulations, limitations and legal requirements

No data available

16 Other information

Text for labelling:	Contains Acetone, 2-Methoxy-1-methylethyl acetate, n-Butyl acetate, Butanone
Revision date:	17/12/2025
Date of first version:	7/10/1994
Reason of change:	General revision: Safety Data Sheet according to Hazardous Products Regulations (HPR) 2022

Abbreviations and acronyms:

Acute Toxicity: Acute toxicity
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
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EN: European Standard
EQ: Excepted quantities
Explosive: Explosives
Eye Damage: Eye damage
Eye Irritation: Eye irritation
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
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
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.