

## 1 Identification

### Product identifier

Trade name: 635C2B - Thinner for 635C2A

### Recommended use and restrictions on use

General use: Thinner for 635C2A.  
For orthopedic procedures. For commercial user only  
Mixing ratio:  
2 Components  
1 Part Thinner for 635C2A

### 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 3 Flammable liquid and vapour.  
Specific Target Organ Toxicity (Single Exposure) 3 May cause drowsiness or dizziness.

### Information elements

Symbols:



Signal word:

**Warning**

Hazard statements: Flammable liquid and vapour.  
May be harmful if swallowed.  
May cause drowsiness or dizziness.

Precautionary statements: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take precautionary measures against static discharge.  
Avoid breathing vapours.  
  
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.  
Call a POISON CENTER/doctor if you feel unwell.  
  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

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

Narcotic effect in case of higher doses or prolonged exposure.  
Special danger of slipping by leaking/spilling product.

## 3 Composition/Information on ingredients

### Material/substance

Chemical name: C4 H10 O2 = CH3-CHOH-CH2-O-CH3  
PGME, 1-Methoxypropan-2-ol  
1-Methoxy-2-propanol  
CAS-Number: 107-98-2

## 4 First-aid measures

### Description of necessary first-aid measures

In case of inhalation: Provide fresh air.  
Move victim to fresh air, provide oxygen as needed. Seek medical attention.  
  
In case of swallowing: If swallowed, seek medical advice immediately and show this container or label.  
Do not induce vomiting without medical assistance.  
If victim is at risk of losing consciousness, position and transport on their side.  
Never give anything by mouth to an unconscious person.  
  
In case of skin contact: After contact with skin, wash immediately with plenty of water.  
Take off immediately all contaminated clothing. Seek medical aid in case of troubles.  
  
In case of eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
Seek medical attention.

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

May cause drowsiness or dizziness.

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

Treat symptomatically.

On irritation of the respiratory system use an aerosol dispenser and treat with 5 doses of dexamethasone aerosol (e.g. Auxiloson, Thomae) every 10 minutes until symptoms cease.

Cave: Causes depression of CNS.

## 5 Fire-fighting measures

### Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide.

Unsuitable extinguishing media:

strong water jet

### Specific hazards arising from the product

Flammable liquid and vapour. Concentrated vapours are heavier than air.

In case of warming: On contact with air, potentially explosive mixtures may develop.

In case of fire may be liberated: Carbon monoxide and carbon dioxide

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

Wear self-contained breathing apparatus. Wear appropriate protective equipment.

Additional information:

Use water spray jet to protect personnel and to cool endangered containers.

Do not allow fire water to penetrate into surface or ground water.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources if safe to do so.

Avoid contact with skin, eyes, and clothing.

Do not breathe vapours. Wear appropriate protective equipment.

Provide for sufficient ventilation, particularly in closed rooms.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

### Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information:

Use only non-sparking tools. Take precautionary measures against static discharges.

Special danger of slipping by leaking/spilling product.

## 7 Handling and storage

### Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid contact with skin, eyes, and clothing. Do not breathe vapour.

Wear appropriate protective equipment. When using do not eat, drink or smoke.

### Precautions against fire and explosion:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Use only non-sparking tools.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storerooms and containers:

Keep containers tightly closed and at a temperature between 15 °C and 25 °C.

Keep away from sources of ignition and heat. Protect from light.

Suitable material: Stainless steel, steel

Unsuitable materials: Aluminium, light metals, copper.

#### Hints on joint storage:

Avoid contact with strong acids, strong bases and strong oxidizing agents.

Keep away from combustible materials.

Keep away from food, drink and animal feedingstuffs.

## 8 Exposure controls/Personal protection

### Control parameters

#### Occupational exposure limit values:

Type	Limit value
Canada: Alberta, OEL 15 min	553 mg/m <sup>3</sup> ; 150 ppm
Canada: Alberta, OEL 8 hour	369 mg/m <sup>3</sup> ; 100 ppm
Canada: BC, OEL STEL	100 ppm
Canada: BC, OEL TWA	50 ppm
Canada: Québec, VECD	100 mg/m <sup>3</sup>
Canada: Québec, VEMP	50 mg/m <sup>3</sup>

Additional information: The product can be absorbed through skin.

### 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. 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: Butyl caoutchouc (butyl rubber)-Layer thickness 0.5 mm. Observe glove manufacturer's instructions concerning penetrability and breakthrough time. Unsuitable materials: natural rubber, nitrile rubber, PVC.

**Eye protection:** Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

**Body protection:** Wear suitable protective clothing.

#### General hygiene considerations:

Avoid contact with skin, eyes, and clothing. Take off immediately all contaminated clothing.

Do not breathe vapours. Wear appropriate protective equipment.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

**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	Form: liquid
Colour:	colourless
Odour:	sweetish
Odour threshold:	No data available
Melting point and freezing point:	-96 °C
Boiling point or initial boiling point and boiling range:	120 °C (OECD 103)
Flammability:	Flammable liquid and vapour.
Lower and upper explosion limit or lower and upper flammability limit:	LEL (Lower Explosion Limit): 1.70 Vol-% UEL (Upper Explosive Limit): 13.10 Vol-%
Flash point/flash point range:	31 - 32 °C
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	at 20 °C, 200 g/L: 4 - 7
Dynamic viscosity:	at 20 °C: 1.7 mPa*s
Water solubility:	at 20 °C: complete miscible
Partition coefficient — n-octanol/water:	-0.437 log P(o/w) Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.
Vapour pressure:	at 20 °C: 12 hPa
Density and/or relative density	at 20 °C: 0.921 g/mL at 25 °C: 0.916 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

**Additional information**

Explosive properties:	On contact with air, potentially explosive mixtures may develop.
Ignition temperature:	287 °C (EU A.15)
Refraction index:	at 20 °C: 1.404
Additional information:	Molar mass: 90.12 g/mol Relative vapour density at 20 °C (air=1): 3.11 Solvent contents: 100%

## 10 Stability and reactivity

Reactivity:	Flammable liquid and vapour.
Chemical stability:	Hygroscopic. Stable under recommended storage conditions.

Possibility of hazardous reactions:

On contact with air, potentially explosive mixtures may develop.

Conditions to avoid:

heating. Keep away from sources of ignition. Take precautionary measures against static discharges.

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products:

In case of fire may be liberated: Carbon monoxide and carbon dioxide.

## 11 Toxicological information

### Information on the likely routes of exposure

No data available

### Health hazard information

Acute toxicity (oral):

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

Specific symptoms in animal studies, rabbit: (in-vivo): Not an irritant (EU B.4)

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Specific symptoms in animal studies, rabbit: (in-vivo): Not an irritant (EU B.5)

Sensitisation to the respiratory tract: Lack of data.

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

Specific symptoms in animal studies, guinea pig (in-vivo): not sensitising (EU B.6)

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

Gene-mutations mammalian cells: negative (OECD 476).

Chromosomal aberrations mammalian cells: negative (OECD 473).

Bacterial mutagenicity: negative (Ames test, OECD 471) .

In-vivo:

Micronucleus test: negative (OECD 474).

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

NOAEL (inhalative), Mouse (male/female): 1,000 ppm (OECD 453)

NOAEL (inhalative), rat (male/female): 300 ppm (OECD 453)

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

Reproduction toxicity: NOAEL (inhalative), rat (male/female): 300 ppm (OECD 416)

Developmental toxicity: NOAEC (inhalative), rat (male/female): 1500 ppm (OECD 414)

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.

NOAEL (oral), rat (male): 919 mg/kg/d (OECD 407)

NOEL (inhalative), rat (male/female): 300 ppm (OECD 453)

NOEAL (inhalative), Rabbit (male/female): >1,000 mg/kg/d (OECD 410)

Aspiration hazard: Lack of data.

Acute toxicity: LD50 Rat, oral: 4,016 mg/kg  
LC50 Rat, inhalative: > 6 mg/L /4h  
LD50 Rabbit, dermal: > 10,000 mg/kg

Other information: After resorption of toxic quantities: CNS disorders  
Toxic effect on liver. Toxic effect on kidneys.

### Symptoms

Danger of cutaneous absorption.  
Other symptoms: Mucous membrane irritation, vomiting.  
In case of inhalation: vapours are slightly irritating to mucous membranes.  
Inhalation of vapours may induce headaches or vomiting.  
Narcotic effect in case of higher doses or prolonged exposure.  
In case of ingestion: Mucous membrane irritation, vomiting.  
After contact with skin: Danger of cutaneous absorption.  
After eye contact: May cause irritations.

## 12 Ecological information

### Ecotoxicity

Aquatic toxicity: Algae toxicity:  
EC50 Pseudokirchneriella subcapitata (green algae): > 1,000 mg/L/7 d.  
Daphnia toxicity:  
LC50 Daphnia magna (Big water flea): 21,000 -25,900 mg/L/48h.  
Fish toxicity:  
LC50 Leuciscus idus: 4000 - 10000 mg/L/96 h.  
LC50 Pimephales promelas (fathead minnow): 20,800 mg/L/96 h.  
LC50 Oncorhynchus mykiss: >1,000 mg/L/96 h.  
LC50 S. gairdnerii: >1000 mg/L

Effects in sewage plants: toxicity to microorganisms:  
IC50 activated sludge: >1,000 mg/L/3h (OECD 209).

### Persistence and degradability

Analytical method: OECD 301E  
Degree of elimination: DOC reduction (28 days) 96%  
Evaluation text: Product is readily biodegradable.

### Bioaccumulative potential

Partition coefficient — n-octanol/water:  
-0.437 log P(o/w)  
Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

### Mobility in soil

No data available

### Other adverse effects

Oxygen demand: BOD: >60%  
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.  
Non-contaminated packages may be recycled.

## 14 Transport information

### UN number

TDG: UN3092  
IMDG, IATA-DGR: UN 3092

### UN proper shipping name

TDG, IMDG, IATA-DGR: UN 3092, 1-METHOXY-2-PROPANOL

### Transport hazard class

TDG: 3  
IMDG: Class 3, Subrisk -  
IATA-DGR: Class 3



### Packing group

TDG, IMDG, IATA-DGR: III

### 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: 5 L  
Passenger carrying road or rail index: 60 L

### Sea transport (IMDG)

EmS: F-E, S-D  
Special Provisions: -  
Limited quantities: 5 L  
Excepted quantities: E1  
Package - Instructions: P001, LP01  
Package - Provisions: -  
IBC - Instructions: IBC03  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: T2  
Tank instructions - Provisions: TP1  
Stowage and handling: Category A.  
Properties and observations: Colourless liquid. Flashpoint: 29°C to 35°C c.c. Explosive limits: 1,7% to 11,5%. Miscible with water. Reacts with strong oxidizing substances. Irritating to skin, eyes and mucous membranes  
Marine pollutant: no  
Segregation group: none

### Air transport (IATA)

Proper shipping name: UN 3092, 1-METHOXY-2-PROPANOL  
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  
Emergency Response Guide-Code (ERG): 3L

## 15 Regulatory information

### National regulations - Canada

DSL: listed

### Further regulations, limitations and legal requirements

No data available

## 16 Other information

Text for labelling: Contains 1-Methoxy-2-propanol.  
Mixing ratio:  
2 Components  
1 Part Thinner for 635C2A  
Revision date: 17/12/2025  
Date of first version: 26/11/1995  
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:

AS/NZS: Australian Standards/New Zealand Standards  
 BOD: Biochemical oxygen demand  
 CAS: Chemical Abstracts Service  
 CFR: Code of Federal Regulations  
 CLP: Classification, Labelling and Packaging  
 CNS: Central Nervous System  
 DMEL: Derived minimal effect level  
 DNEL: Derived no-effect level  
 DOC: Dissolved Organic Carbon  
 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  
 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  
 IC50: Inhibition Concentration 50%  
 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  
 OEL: Occupational Exposure Limit Value  
 OSHA: Occupational Safety and Health Administration  
 PBT: Persistent, bioaccumulative and toxic  
 PNEC: Predicted no-effect concentration  
 PVC: Polyvinyl chloride  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
 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.