

1. Identification

Product identifier

Trade name: 635C2B - Thinner for 635C2A

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

General use: Thinner for SuperSkin for none-PUR products 635C2A.
For orthopedic procedures. For commercial user only
Mixing ratio:
2 Components SuperSkin for none-PUR products
1 Part Thinner for 635C2A

Details of the supplier of the safety data sheet

Company name: Otto Bock Health Care
Street/POB-No.: 3820 W. Great Lakes Drive
Zip code, city: Salt Lake City, UT 84120
USA
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Department responsible for information:
Quality Department,
Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),
Email: USRegulatory@ottobock.com
Additional information: Corporate headquarters:
Ottobock SE & Co. KGaA
Max-Näder-Straße 15
Duderstadt
Germany

Emergency telephone number

CHEMTREC, Telephone: +1 (800) 424-9300

Transport:

CONSULTANK Lutz Harder GmbH (Contract QUALI003)

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

2. Hazard identification

Classification of the substance or mixture

Flammable Liquid - Category 3 Flammable liquid and vapor.
Specific Target Organ Toxicity (Single Exposure) - Category 3 May cause drowsiness or dizziness.

Label elements

Symbols:



Signal word:

Warning

Hazard statements: Flammable liquid and vapor.
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 vapors.

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

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

3. Composition/information on ingredients

Substances

Chemical characterization: $C_4H_{10}O_2 = CH_3-CHOH-CH_2-O-CH_3$
PGME, 1-Methoxypropan-2-ol
1-Methoxy-2-propanol
CAS-Number: 107-98-2

4. First aid measures

In case of inhalation: Provide fresh air.
Move victim to fresh air, provide oxygen as needed. Seek medical attention.

Following 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.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Seek medical attention.

After 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.

Most important symptoms/effects, acute and delayed

May cause drowsiness or dizziness.

Information to physician

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, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

strong water jet

Specific hazards arising from the chemical

Flammable liquid and vapor. Concentrated vapors 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

Protective equipment and precautions for firefighters

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 vapors. 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

Methods for clean-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 vapor.

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 59 °F and 77 °F.

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
USA: ACGIH: STEL	369 mg/m ³ ; 100 ppm
USA: ACGIH: TWA	184 mg/m ³ ; 50 ppm
USA: NIOSH: STEL	540 mg/m ³ ; 150 ppm
USA: NIOSH: TWA	360 mg/m ³ ; 100 ppm

Additional information: The product can be absorbed through skin.

Appropriate engineering controls

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

Personal protection equipment (PPE)

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Use filter type A (= against vapors 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 vapors. 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 68 °F and 101.3 kPa: Form: liquid
Color: colorless
Odor: sweetish
Odor threshold: No data available

Melting point/freezing point:	-140.8 °F
Initial boiling point and boiling range:	248 °F (OECD 103)
Flammability:	Flammable liquid and vapor.
Explosion limits:	LEL (Lower Explosion Limit): 1.70 Vol-% UEL (Upper Explosive Limit): 13.10 Vol-%
Flash point/flash point range:	87.8 - 89.6 °F
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	at 68 °F, 200 g/L: 4 - 7
Dynamic viscosity:	at 68 °F: 1.7 mPa*s
Water solubility:	at 68 °F: 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.
Vapor pressure:	at 68 °F: 12 hPa
Density:	at 68 °F: 0.921 g/mL at 77 °F: 0.916 g/mL
Vapor density:	No data available
Particle characteristics:	Not applicable
Additional information	
Explosive properties:	On contact with air, potentially explosive mixtures may develop.
Ignition temperature:	548.6 °F (EU A.15)
Refraction index:	at 68 °F: 1.404
Additional information:	Molar mass: 90.12 g/mol Relative vapor density at 68 °F (air=1): 3.11 Solvent contents: 100%

10. Stability and reactivity

Reactivity:	Flammable liquid and vapor.
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 toxicological effects

Acute toxicity:	LD50 Rat, oral: 4,016 mg/kg LC50 Rat, inhalative: > 6 mg/L /4h LD50 Rabbit, dermal: > 10,000 mg/kg
Toxicological effects:	<p>Acute toxicity (oral):</p> <p>Acute toxicity (dermal): Based on available data, the classification criteria are not met.</p> <p>Acute toxicity (inhalative): Based on available data, the classification criteria are not met.</p> <p>Skin corrosion/irritation: Based on available data, the classification criteria are not met.</p> <p>Specific symptoms in animal studies, rabbit: (in-vivo): Not an irritant (EU B.4)</p> <p>Serious eye damage/irritation: Based on available data, the classification criteria are not met.</p> <p>Specific symptoms in animal studies, rabbit: (in-vivo): Not an irritant (EU B.5)</p> <p>Sensitisation to the respiratory tract: Lack of data.</p> <p>Skin sensitisation: Based on available data, the classification criteria are not met.</p> <p>Specific symptoms in animal studies, guinea pig (in-vivo): not sensitising (EU B.6)</p> <p>Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met. In-vitro:</p> <p>Gene-mutations mammalian cells: negative (OECD 476).</p> <p>Chromosomal aberrations mammalian cells: negative (OECD 473).</p> <p>Bacterial mutagenicity: negative (Ames test, OECD 471) .</p> <p>In-vivo:</p> <p>Micronucleus test: negative (OECD 474).</p> <p>Carcinogenicity: Based on available data, the classification criteria are not met.</p> <p>NOAEL (inhalative), Mouse (male/female): 1,000 ppm (OECD 453)</p> <p>NOAEL (inhalative), rat (male/female): 300 ppm (OECD 453)</p> <p>Reproductive toxicity: Based on available data, the classification criteria are not met.</p> <p>Reproduction toxicity: NOAEL (inhalative), rat (male/female): 300 ppm (OECD 416)</p> <p>Developmental toxicity: NOAEC (inhalative), rat (male/female): 1500 ppm (OECD 414)</p> <p>Effects on or via lactation: Lack of data.</p> <p>Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) - Category 3 = May cause drowsiness or dizziness.</p> <p>Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.</p> <p>NOAEL (oral), rat (male): 919 mg/kg/d (OECD 407)</p> <p>NOEL (inhalative), rat (male/female): 300 ppm (OECD 453)</p> <p>NOEAL (inhalative), Rabbit (male/female): >1,000 mg/kg/d (OECD 410)</p> <p>Aspiration hazard: Lack of data.</p>
Other information:	<p>After resorption of toxic quantities: CNS disorders</p> <p>Toxic effect on liver. Toxic effect on kidneys.</p>

Symptoms

Danger of cutaneous absorption.

Other symptoms: Mucous membrane irritation, vomiting.

In case of inhalation: Vapors are slightly irritating to mucous membranes.

Inhalation of vapors 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

DOT: UN3092
IMDG, IATA-DGR: UN 3092

UN proper shipping name

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

Transport hazard class(es)

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



Packing group

DOT, IMDG, IATA-DGR: III

Environmental hazards

Marine pollutant: no

Transport in bulk according to IMO instruments

No data available

Special precautions for user

USA: Department of Transportation (DOT)

Labels: 3
Special Provisions: B1, IB3, T2, TP1
Packaging – Exceptions: 150
Packaging – Non-bulk: 203
Packaging – Bulk: 242
Quantity limitations – Passenger aircraft / rail: 60 L
Quantity limitations – Cargo only: 220 L
Vessel stowage – Location: A

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 - U.S. Federal Regulations

TSCA Inventory: listed
Clean Air Act:
CAA SOCM Chemical: yes
NIOSH Recommendations:
Occupational Health Guideline: 0536

National regulations - U.S. State Regulations

Idaho Air Pollutant List:
Title 585: AAC: 18 - EL: 24 - OEL: 360 - Title 586: -
Massachusetts Haz. Substance codes: 4,6 F8
Minnesota Haz. Substance:
Codes: A - Ratings: 8.12 - Status: -
Pennsylvania Haz. Substance code: -
Washington Air Contaminant:
TWA: 100 ppm - 360 mg - STEL: 150 ppm - 540 mg

Further regulations, limitations and legal requirements

No data available

16. Other information

Text for labeling: Contains 100 % 1-Methoxy-2-propanol.
Contains 1-Methoxy-2-propanol.

Mixing ratio:

2 Components SuperSkin for none-PUR products

1 Part Thinner for 635C2A

Revision date: 12/17/2025

Date of first version: 11/26/1995

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)

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 3 (Serious)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 3 (Serious)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0
	X

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

DOT: Department of Transportation's Safety Regulations (USA)

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

TLV: Threshold Limit Value

TRGS: Technical Rules for Hazardous Substances

UN: United Nations

vPvB: Very persistent and very bioaccumulative

WEL: Workplace Exposure Limit



SAFETY DATA SHEET

according to HCS 2024 (29 CFR 1910.1200)

635C2B - Thinner for 635C2A

Material number 635C 2B

Revision date: 12/17/2025

Version: 16.3

Replaces version: 16.2

Language: en-US

Date of print: 5/29/2026

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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.