

1. Identification

Product identifier

Trade name: 635C3 - Priming coat for non-PUR products

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

General use: Paint, for orthopedic procedures.
For commercial user only

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
WWW: www.ottobockus.com
Telephone: +1 (801) 956-2400
Telefax: +1 (801) 956-2401
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 2	Highly flammable liquid and vapor.
Eye Irritation - Category 2	Causes serious eye irritation.
Specific Target Organ Toxicity (Single Exposure) - Category 3	May cause drowsiness or dizziness.

Label elements

Symbols:



Signal word:

Danger

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Hazard statements:	<p>Highly flammable liquid and vapor.</p> <p>Causes serious eye irritation.</p> <p>May cause drowsiness or dizziness.</p>
Precautionary statements:	<p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>Keep container tightly closed.</p> <p>Ground/bond container and receiving equipment.</p> <p>Use explosion-proof equipment.</p> <p>Use only non-sparking tools.</p> <p>Take precautionary measures against static discharge.</p> <p>Avoid breathing mist/vapors/spray.</p> <p>Wash hands and face thoroughly after handling.</p> <p>Use only outdoors or in a well-ventilated area.</p> <p>Wear protective gloves/protective clothing/eye protection.</p> <p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Call a POISON CENTER/doctor if you feel unwell.</p> <p>If eye irritation persists: Get medical advice/attention.</p> <p>In case of fire: Use dry powder, foam or water spray for extinction.</p> <p>Store in a well-ventilated place. Keep container tightly closed.</p> <p>Store in a well-ventilated place. Keep cool.</p> <p>Store locked up.</p> <p>Dispose of contents/container to hazardous or special waste collection point.</p>

Other hazards

Potentially explosive mixtures may form if adequate ventilation is not provided.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Special danger of slipping by leaking/spilling product.
Frequently or prolonged contact with skin may cause dermal irritation.

3. Composition/information on ingredients

Mixtures

Chemical characterization: Ethyl acetate solvent mixture

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Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 141-78-6	Ethyl acetate	60 - 80 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 67-64-1	Acetone	10 - 25 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.

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

4. First aid measures

General information:	If medical advice is needed, have product container or label at hand. First aider: Pay attention to self-protection! Take off contaminated clothing and wash it before reuse.
In case of inhalation:	Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Do not allow victim to become chilled. Keep victim warm. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Immediately get medical attention.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After 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.
After 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.

Most important symptoms/effects, acute and delayed

Causes serious eye irritation.
May cause drowsiness or dizziness.
Repeated exposure may cause skin dryness or cracking.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.

Information to physician

Treat symptomatically.

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:

Full water jet

Specific hazards arising from the chemical

Highly flammable liquid and vapor.

Liquid evaporates very quickly. Vapors form explosive mixtures with air. Vapors are heavier than air and will travel at floor level. In case of heating: Danger of bursting container.

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

Protective equipment and precautions for firefighters

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.

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.

Contaminated fire-fighting water must be collected separately.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Eliminate all ignition sources if safe to do so.

Avoid contact with the substance. Wear appropriate protective equipment. Keep unprotected people away. Take off contaminated clothing and wash it before reuse. Avoid breathing mist/vapors/spray.

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

Methods for clean-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). Never return spills in original containers for re-use.

Additional information:

Special danger of slipping by leaking/spilling product.

7. Handling and storage

Precautions for safe handling

Advices on safe handling:

Do not allow containers to stand open. Store product in a quantity adequate for 1 work-shift only.

Provide adequate ventilation, and local exhaust as needed.

Concentrated vapors are heavier than air. Provide room air exhaust at ground level.

Avoid contact with skin and eyes. Avoid breathing mist/vapors/spray.

Use local exhaust in the field of the processing equipment.

Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product.

Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.

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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. Take precautionary measures against static discharge.

Use only explosion-protected equipment/instruments. 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 away from sources of ignition and heat.

Attacks and dissolves many plastics.

Steel, stainless steel and aluminium are stable container materials.

Store locked up.

Storage stability: 2 years

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Do not store together with: Strong reducing agents, strong oxidizing agents, halogenic hydrocarbons, alkali metals, ethanolamine, hydrogen peroxide.

8. Exposure controls/personal protection**Control parameters**

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
141-78-6	Ethyl acetate	USA: ACGIH: TWA	1,440 mg/m ³ ; 400 ppm
		USA: IDLH: TWA	2,000 ppm [10% LEL]
		USA: NIOSH: TWA	1,400 mg/m ³ ; 400 ppm
		USA: OSHA: TWA	1,400 mg/m ³ ; 400 ppm
67-64-1	Acetone	USA: ACGIH: STEL	500 ppm
		USA: ACGIH: TWA	250 ppm
		USA: IDLH: TWA	2,500 ppm
		USA: NIOSH: TWA	590 mg/m ³ ; 250 ppm
		USA: OSHA: TWA	2,400 mg/m ³ ; 1,000 ppm

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

Appropriate engineering controls

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

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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. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/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) - Layer thickness: 0.7 mm Breakthrough time >120 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:	Do not allow containers to stand open. Store product in a quantity adequate for 1 work-shift only. Avoid contact with skin and eyes. Avoid breathing mist/vapors/spray. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. 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 68 °F and 101.3 kPa	liquid
Color:	white
Odor:	fruity
Odor threshold:	No data available
Melting point/freezing point:	-119.2 °F (Ethyl acetate)
Initial boiling point and boiling range:	158 - 172.4 °F (Ethyl acetate)
Flammability:	Highly flammable liquid and vapor.
Explosion limits:	LEL (Lower Explosive Limit): 2.10 Vol-% (Ethyl acetate) UEL (Upper Explosive Limit): 11.50 Vol-% (Ethyl acetate)
Flash point/flash point range:	24.8 °F (Ethyl acetate)
Evaporation rate:	4.3 g/s
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	at 68 °F: 7 (Ethyl acetate)
Dynamic viscosity:	at 68 °F: 0.44 mPa*s (Ethyl acetate)
Viscosity, kinematic:	at 68 °F: 200 mm²/s (Ethyl acetate)
Water solubility:	at 68 °F: 61 g/L (Ethyl acetate)

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Partition coefficient: n-octanol/water: at 77 °F: 0.68 log P(o/w) (Ethyl acetate)
Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Vapor pressure: at 77 °F: 98.3 hPa (Ethyl acetate)

Density: at 68 °F: 1.19 g/mL (Ethyl acetate)

Vapor density: No data available

Particle characteristics: Not applicable

Additional information

Explosive properties: Product is not explosive. Vapors may form explosive mixtures with air.

Ignition temperature: 800.6 °F (Ethyl acetate)

10. Stability and reactivity

Reactivity: Highly flammable liquid and vapor.
Vapors may form explosive mixtures with air.

Chemical stability: Stable under recommended storage conditions.
Light-sensitive, sensitive to air.

Possibility of hazardous reactions: Heating will lead to pressure increase: danger of bursting and explosion.
Peroxide formation possible with air oxygen.

Conditions to avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take precautionary measures against static discharge.
Avoid high temperatures or direct sunlight.

Incompatible materials: Strong reducing agents, strong oxidizing agents, halogenated hydrocarbons, alkali metals, ethanolamine, hydrogen peroxide

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

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11. Toxicological information

Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

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

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation: Eye Irritation - Category 2 = 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) - Category 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.

Other information: Information about ethyl acetate (CAS 141-78-6):

LD50 Rabbit, oral: 4.934 mg/kg bw

LD50 Rabbit, dermal: > 20,000 mg/kg bw

LC0 Rat, inhalative, vapor: > 22.5 mg/L/6h

Information about acetone (CAS 67-64-1):

LD50 Rat, oral: 5,800 mg/kg bw

LD50 Rabbit, dermal: 7,400 mg/kg bw

LC50 Rat, inhalative: 76 mg/L/4h

Symptoms

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

After contact with skin: The product is skin resorptive.

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

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12. Ecological information

Ecotoxicity

Aquatic toxicity:

Information about ethyl acetate (CAS 141-78-6):

Fish toxicity:

LC50 Pimephales promelas (fathead minnow): 230 mg/L/96h

NOEC: 6.9 mg/L/32d (QSAR)

Daphnia toxicity:

EC50 Daphnia Cucullata: 165 mg/L/48h

IC50 Artemia salina: 346 mg/L/24h

NOEC Daphnia magna (Big water flea): 2.4 mg/L/21d

Algae toxicity:

EC50 Desmodesmus subspicatus (green algae): 5,600 mg/L/72h

NOEC S. pannonicus: 1,000 mg/L/48h

Information about acetone (CAS 67-64-1):

Fish toxicity:

LC50 Oncorhynchus mykiss: 5,540 mg/L/96h

LC50 Alburnus alburnus (alburnus): 11,000 mg/L/96h

Daphnia toxicity:

LC50 Daphnia pulex (water flea): 8,800 mg/L/48h

LC50 Artemia salina: 2,100 mg/L/24h

NOEC Daphnia magna (Big water flea): 2,212 mg/L/28d

Algae toxicity:

NOEC Microcystis aeruginosa: 530 mg/L/8d

NOEC Prorocentrum minimum: 430 mg/L/96h

Persistence and degradability

Further details:

Information about ethyl acetate (CAS 141-78-6): easily bio-degradable

Information about acetone (CAS 67-64-1): easily bio-degradable

Bioaccumulative potential

Information about ethyl acetate (CAS 141-78-6): Bioconcentration factor (BCF) 30

Information about acetone (CAS 67-64-1): Bioconcentration factor (BCF) 3

Partition coefficient: n-octanol/water:

at 77 °F: 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.

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13. Disposal considerations

Waste treatment methods

Product

Recommendation: Dispose of waste according to applicable legislation.
Do not dispose of with household waste.
Do not empty into drains.

Package

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

14. Transport information

UN number

DOT: UN1993
IMDG, IATA-DGR: UN 1993

UN proper shipping name

DOT: UN 1993, FLAMMABLE LIQUIDS, N.O.S. (ethyl acetate, acetone mixture)
IMDG, IATA-DGR: UN 1993, FLAMMABLE LIQUID, N.O.S. (ethyl acetate, acetone mixture)

Transport hazard class(es)

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



Packing group

DOT, IMDG, IATA-DGR: II

Environmental hazards

Marine pollutant: no

Transport in bulk according to IMO instruments

No data available

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Special precautions for user

USA: Department of Transportation (DOT)

Labels:	3
Symbols:	G
Special Provisions:	IB2, T7, TP1, TP8, TP28
Packaging – Exceptions:	150
Packaging – Non-bulk:	202
Packaging – Bulk:	242
Quantity limitations – Passenger aircraft / rail:	5 L
Quantity limitations – Cargo only:	60 L
Vessel stowage – Location:	B

Sea transport (IMDG)

EmS:	F-E, S-E
Special Provisions:	274
Limited quantities:	1 L
Excepted quantities:	E2
Package - Instructions:	P001
Package - Provisions:	-
IBC - Instructions:	IBC02
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T7
Tank instructions - Provisions:	TP1, TP8, TP28
Stowage and handling:	Category B.
Properties and observations:	-
Marine pollutant:	no
Segregation group:	none

Air transport (IATA)

Proper shipping name:	UN 1993, FLAMMABLE LIQUID, N.O.S. (ethyl acetate, acetone mixture)
Hazard label:	Flamm. liquid
Excepted Quantity Code:	E2
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft:	Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only:	Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
Special Provisions:	A3
Emergency Response Guide-Code (ERG):	3H

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15. Regulatory information

National regulations - U.S. Federal Regulations

Ethyl acetate: TSCA Inventory: listed
Other Environmental Laws:
CERCLA: RQ 5000 lbs.
NIOSH Recommendations:
Occupational Health Guideline: 0260

Acetone: TSCA Inventory: listed
Clean Air Act:
CAA SOCM Chemical: yes
Other Environmental Laws:
CERCLA: RQ 5000 lbs.
RCRA Groundwater Monitoring: listed
NIOSH Recommendations:
Occupational Health Guideline: 0004*

National regulations - U.S. State Regulations

Ethyl acetate: New York Right-To-Know: listed
Acetone: New York Right-To-Know: listed

Further regulations, limitations and legal requirements

No data available

16. Other information

Text for labeling: Contains 60 - 80 % Ethyl acetate, 10 - 25 % Acetone.
Revision date: 11/28/2025
Date of first version: 2/22/1996
Reason of change: General revision: Safety Data Sheet according to HCS 2024 (29 CFR 1910.1200)
Classification procedure: Physical hazards: on basis of test data
Health hazards, environmental hazards: calculation method

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



SAFETY DATA SHEET

according to HCS 2024 (29 CFR 1910.1200)

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Revision date: 11/28/2025
Version: 14.1
Replaces version: 14.0
Language: en-US
Date of print: 5/29/2026

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Abbreviations and acronyms:

AS/NZS: Australian Standards/New Zealand Standards
BCF: Bioconcentration Factor
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
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
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
IC50: Inhibition Concentration 50%
IMDG Code: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
LC0: Lethal concentration 0%
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
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

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.