

1. Identification

Product identifier

Trade name: 636K44 – Loctite 3090 Part B

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

General use: Adhesive-Activator for orthopedic procedures.
Reserved for industrial and professional use.

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 4 Combustible liquid.

Label elements

Symbols: not applicable

Signal word: **Warning**

Hazard statements: Combustible liquid.

Precautionary statements:

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

Wear protective gloves/protective clothing/eye protection/face protection.

In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.

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

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

Other hazards

Contact for an extended period of time can cause irritation.

Special danger of slipping by leaking/spilling product.

3. Composition/information on ingredients

Mixtures

Chemical characterization: Adhesive-Activator

Additional information: The product does not contain dangerous substances above limits that need to be mentioned in this section according to applicable legislation.

4. First aid measures

In case of inhalation: Move victim to fresh air.

Seek medical treatment in case of troubles.

Following skin contact: Take off contaminated clothing and wash it before reuse. Remove residues with water. 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. Avoid vomiting. Seek medical treatment in case of troubles. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Contact for an extended period of time can cause irritation.

Information to physician

Treat symptomatically.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

Water spray jet 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

In case of fire may be liberated: Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Cool endangered containers with water spray and, if possible, remove from danger zone. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Avoid contact with skin and eyes.

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: 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.

Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place.

Do not return unused portions of product to original container.

Hints on joint storage:

Do not store together with: strong oxidizing agents, acids, reducing agents, strong bases. Keep away from food, drink and animal feedingstuffs.

8. Exposure controls/personal protection

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: Nitrile rubber - Layer thickness: 0.4 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. In case of increased risk, additionally face protection shield.
Body protection:	Wear suitable protective clothing.
General hygiene considerations:	Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. 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	liquid
Color:	Colorless, clear
Odor:	Irritant
Odor threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 300.2 °F
Flammability:	No data available
Explosion limits:	No data available
Flash point/flash point range:	176 - 199.4 °F
Evaporation rate:	No data available
Auto-ignition temperature:	905 °F
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	> 10,000 mm ² /s
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Vapor pressure:	at 68 °F: ≤ 0.67 hPa at 122 °F: ≤ 700 hPa
Density:	1.05 g/mL
Vapor density:	at 68 °F: 3
Particle characteristics:	Not applicable

Additional information

Explosive properties:	No data available
Additional information:	Solidifying temperature: < -13 °F

10. Stability and reactivity

Reactivity:	Refer to subsection "Possibility of hazardous reactions".
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Polymerizes when in contact with: humidity
Conditions to avoid:	No data available
Incompatible materials:	Strong oxidizing agents, Acids, reducing agent, strong bases
Hazardous decomposition products:	No hazardous decomposition products when regulations for storage and handling are observed.

11. Toxicological information

Information on toxicological effects

Toxicological effects:	Acute toxicity (oral): Lack of data.
	Acute toxicity (dermal): Lack of data.
	Acute toxicity (inhalative): Lack of data.
	Skin corrosion/irritation: Lack of data.
	Serious eye damage/irritation: Lack of data.
	Sensitisation to the respiratory tract: Lack of data.
	Skin sensitisation: Lack of data.
	Germ cell mutagenicity/Genotoxicity: Lack of data.
	Carcinogenicity: Lack of data.
	Reproductive toxicity: Lack of data.
	Effects on or via lactation: Lack of data.
	Specific target organ toxicity (single exposure): Lack of data.
	Specific target organ toxicity (repeated exposure): Lack of data.
	Aspiration hazard: Lack of data.

Symptoms

In case of inhalation: May cause irritations.
 In case of ingestion: Can irritate the mucous membrane.
 After contact with skin: Lengthy or repeated contact may cause skin irritation.
 After eye contact:
 Effects resulting from repeated or prolonged exposure: May cause irritations.

12. Ecological information

Ecotoxicity

Further details:	No data available
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Persistence and degradability

Further details:	No data available
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Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

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.
product, cured: Dispose of waste according to applicable legislation.

Package

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.
Handle contaminated packages in the same way as the substance itself.

14. Transport information

UN number

DOT: NA1993

UN proper shipping name

DOT: NA 1993, Combustible liquids, n.o.s. (Activator)

IMDG, IATA-DGR: Not restricted

Transport hazard class(es)

DOT: Comb liq

Packing group

DOT: 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:	None
Symbols:	D G
Special Provisions:	148, IB3, T1, TP1
Packaging – Exceptions:	150
Packaging – Non-bulk:	203
Packaging – Bulk:	241
Quantity limitations – Passenger aircraft / rail:	60 L
Quantity limitations – Cargo only:	220 L
Vessel stowage – Location:	A

Sea transport (IMDG)

Proper shipping name:	Not restricted
Marine pollutant:	no

Air transport (IATA)

Proper shipping name:	Not restricted
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15. Regulatory information

National regulations - U.S. Federal Regulations

No data available

National regulations - U.S. State Regulations

No data available

Further regulations, limitations and legal requirements

No data available

16. Other information

Revision date:	11/28/2025
Date of first version:	3/26/2014
Reason of change:	General revision: Safety Data Sheet according to HCS 2024 (29 CFR 1910.1200)
Hazard rating systems:	NFPA Hazard Rating:



Health: 1 (Slight)
 Fire: 1 (Slight)
 Reactivity: 0 (Minimal)
 HMIS Version III Rating:
 Health: 1 (Slight)
 Flammability: 1 (Slight)
 Physical Hazard: 0 (Minimal)
 Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Abbreviations and acronyms:

AS/NZS: Australian Standards/New Zealand Standards
 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
 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
 IMDG Code: International Maritime Dangerous Goods Code
 IMO: International Maritime Organization
 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
 TLV: Threshold Limit Value
 TRGS: Technical Rules for Hazardous Substances
 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.