



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Revision date: 6/26/2025
Version: 17.0
Replaces version: 16.0
Language: en-US
Date of print: 9/2/2025

Page: 1 of 18

1. Product and company identification

Product identifier

Trade name: 636N9 - OTTO BOCK Quick Drying Rubber Cement

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

General use: Adhesive for orthopedic procedures.
Only for industrial users.

Details of the supplier of the safety data sheet

Company name: Otto Bock Health Care
Street/POB-No.: 3820 W. Great Lakes Drive
Postal 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 phone 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. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid
Color: light yellow
Odor: Characteristic
Classification: Flammable Liquid - Category 2. Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. Reproductive toxicant - Category 1B. Specific Target Organ Toxicity (Single Exposure) - Category 3. Specific Target Organ Toxicity (Repeated Exposure) - Category 2. Aquatic toxicity - acute - Category 2. Aquatic toxicity - chronic - Category 2.

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 2 of 18

Hazard symbols:



Signal word:

Danger

Hazard statements:

Highly flammable liquid and vapor.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause drowsiness or dizziness.
May damage fertility. Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

Precautionary statements:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe mist/vapors/spray.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash with plenty of water/soap.
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.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER/doctor if you feel unwell.
Specific treatment (see ' First aid ' on this label).
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use dry powder, foam or water spray for extinction.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).



SAFETY DATA SHEET

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636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Revision date: 6/26/2025
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Page: 3 of 18

Hazards not otherwise classified

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.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Mixture of the substances listed below with non-hazardous additions

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 4 of 18

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 141-78-6	Ethyl acetate	25 - 30 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 108-88-3	Toluene	20 - 25 %	Flammable Liquid - Category 2. Skin Irritation - Category 2. Reproductive toxicant - Category 2. Specific Target Organ Toxicity (Single Exposure) - Category 3. Specific Target Organ Toxicity (Repeated Exposure) - Category 2. Aspiration Toxicity - Category 1. Aquatic toxicity - acute - Category 2. Aquatic toxicity - chronic - Category 3.
CAS 64742-49-0	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	15 - 20 %	Flammable Liquid - Category 2. Skin Irritation - Category 2. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aspiration Toxicity - Category 1. Aquatic toxicity - acute - Category 2. Aquatic toxicity - chronic - Category 2.
CAS 64742-49-0	Hydrocarbons, C6, isoalkanes, < 5% n-hexane	10 - 15 %	Flammable Liquid - Category 2. Skin Irritation - Category 2. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aspiration Toxicity - Category 1. Aquatic toxicity - acute - Category 2. Aquatic toxicity - chronic - Category 2.
CAS 28453-20-5	Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol and phenol	1 - 5 %	Sensitization - skin - Category 1.
CAS 25085-50-1	4-tert-butylphenol formaldehyde resin	< 1 %	Sensitization - skin - Category 1.
CAS 1314-13-2	Zinc oxide	< 1 %	Aquatic toxicity - acute - Category 1 (M-factor = 1). Aquatic toxicity - chronic - Category 1 (M-factor = 1).
CAS 8050-09-7	Colophony	< 1 %	Sensitization - skin - Category 1.
CAS 119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	< 0.3 %	Reproductive toxicant - Category 1B.

4. First aid measures

General information:	Take off contaminated clothing and wash it before reuse. First aider: Pay attention to self-protection! If medical advice is needed, have product container or label at hand.
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.

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 5 of 18

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. Do not use solvents or thinners. 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. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Most important symptoms/effects, acute and delayed

Causes skin irritation and serious eye irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.

Information to physician

Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.
Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

-14.8 °F

Auto-ignition temperature: Not self-igniting

Suitable extinguishing media:

Water spray jet, dry chemical powder, carbon dioxide
In case of large fires: water spray jet, alcohol resistant foam.

Extinguishing media which must not be used for safety reasons:

Full water jet.

Specific hazards arising from the chemical

Highly flammable liquid and vapor.
Air combined with vapors may form potentially explosive mixtures that are heavier than air. Vapors may proceed on the ground over great distances and cause fire and backflashes.
Furthermore, there may develop: 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:

Suppress gases/vapors/mists with water spray jet. Cool endangered containers with water spray and, if possible, remove from danger zone. Heating will lead to pressure increase: Danger of bursting and explosion.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Do not allow water used to extinguish fire to enter drains, ground or waterways.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 6 of 18

6. Accidental release measures

Personal precautions:	<p>Avoid exposure.</p> <p>Eliminate all ignition sources if safe to do so. If possible, eliminate leakage.</p> <p>Cordon off downwind area at risk and warn inhabitants.</p> <p>Avoid contact with the substance. Provide adequate ventilation.</p> <p>Keep unprotected people away. Wear appropriate protective equipment.</p> <p>Do not breathe mist/vapors/spray.</p> <p>Take off contaminated clothing and wash it before reuse.</p>
Environmental precautions:	<p>Do not allow to enter into ground-water, surface water or drains. Danger of explosion!</p> <p>In case of release, notify competent authorities.</p>
Methods for clean-up:	<p>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).</p> <p>Beware of reignition. Thoroughly clean surrounding area.</p> <p>In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).</p>
Additional information:	<p>Use explosion-proof equipment and non-sparking tools/utensils.</p> <p>Special danger of slipping by leaking/spilling product.</p>

7. Handling and storage

Handling

Advices on safe handling:	<p>Obtain special instructions before use.</p> <p>Provide adequate ventilation, and local exhaust as needed.</p> <p>Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.</p> <p>Do not breathe mist/vapors/spray. Take off contaminated clothing and wash it before reuse.</p> <p>Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</p> <p>Handle and open container with care. Guarantee sufficient ventilation during and after use, in order to prevent vapor accumulation.</p> <p>Work place should be equipped with a shower and an eye rinsing apparatus.</p>
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Precautions against fire and explosion:	<p>Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.</p> <p>Use only explosion-protected equipment/instruments. Do not weld.</p> <p>In partially filled containers explosive mixtures may form.</p>
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Storage

Requirements for storerooms and containers:	<p>Keep container tightly closed in a cool, well-ventilated place. Keep container dry.</p> <p>Protect from heat and direct sunlight.</p>
Hints on joint storage:	<p>Keep away from strong acids and bases as well as oxidizing agents.</p> <p>Keep away from food, drink and animal feedingstuffs.</p>

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 7 of 18

8. Exposure controls / personal protection

Exposure guidelines

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
108-88-3	Toluene	USA: ACGIH: TWA	20 ppm
		USA: IDLH: TWA	500 ppm
		USA: NIOSH: STEL	560 mg/m ³ ; 150 ppm
		USA: NIOSH: TWA	375 mg/m ³ ; 100 ppm
		USA: OSHA: Ceiling	500 ppm
		USA: OSHA: STEL	300 ppm
		USA: OSHA: TWA	200 ppm
1314-13-2	Zinc oxide	USA: ACGIH: STEL	10 mg/m ³ (respirable fraction)
		USA: ACGIH: TWA	2 mg/m ³ (respirable fraction)
		USA: IDLH: TWA	500 mg/m ³
		USA: NIOSH: Ceiling	15 mg/m ³ (Dusts)
		USA: NIOSH: STEL	10 mg/m ³ (Smoke)
		USA: NIOSH: TWA	5 mg/m ³ (Dusts)
		USA: NIOSH: TWA	5 mg/m ³ (Smoke)
		USA: OSHA: TWA	15 mg/m ³ (total dust)
		USA: OSHA: TWA	5 mg/m ³ (respirable fraction or Smoke)

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
108-88-3	Toluene	USA:	0.02 mg/L	Toluene in blood	Prior to last shift of workweek
		ACGIH-BEI, blood			
		USA:	0.03 mg/L	Toluene in urine	end of exposure or end of shift
		ACGIH-BEI, urine			
		USA:	0.3 mg/g	o-Cresol in urine	end of exposure or end of shift
		ACGIH-BEI, urine	creatinine		

Engineering controls

Use only explosion-protected equipment/instruments.
Provide adequate ventilation, and local exhaust as needed.
Vent high concentrations of aerosols and/or fumes from the work area.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

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

Skin protection: Wear suitable protective clothing.
In case of handling larger quantities: Flame-resistant antistatic protective clothing

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 8 of 18

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Fluororubber (Viton) or nitrile rubber
Breakthrough time >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

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.

General hygiene considerations:
Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. When using do not eat or drink. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: liquid Color: light yellow
Odor:	Characteristic
Odor threshold:	No data available
pH:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	167 - 171.5 °F
Flash point/flash point range:	-14.8 °F
Evaporation rate:	No data available
Flammability:	Highly flammable liquid and vapor.
Explosion limits:	LEL (Lower Explosion Limit): 1.20 Vol-% UEL (Upper Explosive Limit): 11.50 Vol-%
Vapor pressure:	at 68 °F: 261 hPa at 122 °F: 920 hPa
Vapor density:	No data available
Density:	at 68 °F: 0.89 g/mL (DIN 51757)
Water solubility:	Immiscible

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 9 of 18

Partition coefficient: n-octanol/water:	3.07 - 3.78 log K(o/w) (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. 3.42 - 5.80 log K(o/w) (Hydrocarbons, C6, isoalkanes, < 5% n-hexane) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 0.73 log K(o/w) (Ethyl acetate) Based on the n-octanol/water partition coefficient accumulation in organisms is not expected. 2.73 log K(o/w) (Toluene) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
Auto-ignition temperature:	Not self-igniting
Thermal decomposition:	No data available
Viscosity, dynamic:	Not determined
Viscosity, kinematic:	Not determined
Explosive properties:	Product is not explosive. Potentially explosive vapor/air mixtures may form.
Ignition temperature:	> 392 °F
Solvent content:	74.2 %
Solid content:	25.6 %

10. Stability and reactivity

Reactivity:	Highly flammable liquid and vapor. Vapors may form explosive mixtures with air.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Heating will lead to pressure increase: Danger of bursting and explosion.
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect from direct sunlight. Protect from frost.
Incompatible materials:	Keep away from strong acids and bases as well as oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products when regulations for storage and handling are observed.
Thermal decomposition:	No data available

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 10 of 18

11. Toxicological information

Toxicological tests

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.

ATEmix (calculated): ATE > 2,000 mg/kg

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

ATEmix (calculated): ATE > 2,000 mg/kg

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

ATEmix (calculated): ATE (vapor) > 20 mg/L/4h

ATEmix (calculated): ATE (dust/mist) > 5 mg/L/4h

Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.

Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.

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: Reproductive toxicant -

Category 1B = May damage fertility. Suspected of damaging the unborn child.

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): Specific Target Organ Toxicity (Repeated Exposure) -

Category 2 = May cause damage to organs through prolonged or repeated exposure.

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

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

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

Information about Toluene (CAS 108-88-3):

LD50 Rat, oral: 5,580 mg/kg

LD50 Rabbit, dermal: > 5,000 mg/kg

LC50 Rat, inhalative (vapor): 28.1 mg/L/4h

Information about Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (comparable to CAS 64742-49-0):

LD50 Rat, oral: > 5,840 mg/kg

LD50 Rat, dermal: > 2,200 mg/kg

LC50 Rat, inhalative (vapor): > 23.3 mg/L/4h

Carcinogenic effect, Toluene (CAS 108-88-3):

IARC Rating: Group 3

OSHA Carcinogen: not listed

NTP Rating: not listed



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Revision date: 6/26/2025
Version: 17.0
Replaces version: 16.0
Language: en-US
Date of print: 9/2/2025

Page: 11 of 18

Symptoms

The following symptoms may occur: Dizziness, headache, irritation to respiratory tract, fatigue, Impaired consciousness, Nausea, vomiting, breathing paralysis.

In case of inhalation: Narcotic effect in case of higher doses or prolonged exposure.

After contact with skin: Danger of cutaneous absorption.

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

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 12 of 18

12. Ecological information

Ecotoxicity

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

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

Fish toxicity:

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

Daphnia toxicity:

EC50 Daphnia Cucullata: 165 mg/L/48h

Algae toxicity:

NOEC Desmodesmus subspicatus (green algae): > 100 mg/L/72h

Information about Toluene (CAS 108-88-3):

Fish toxicity:

LC50 Oncorhynchus mykiss: 5.5 mg/L/96h

NOEC Oncorhynchus kisutch (silver salmon): 1.4 mg/L/40d

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): 3.8 mg/L/48h

NOEC Ceriodaphnia dubia (water flea): 0.74 mg/L/7d

Algae toxicity:

IC50 Selenastrum capricornutum: 12 mg/L/72h

Information about Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (comparable to CAS 64742-49-0):

Fish toxicity:

LL50: > 13.7 mg/L/96h

EL10 Oncorhynchus mykiss: 1.38 mg/L/60d

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): 4.6 - 10 mg/L/48h

NOEC Daphnia magna (Big water flea): 0.17 mg/L/21d

Algae toxicity:

EL50 Pseudokirchneriella subcapitata (green algae): 12 mg/L/72h

Information about Hydrocarbons, C6, isoalkanes, < 5% n-hexane (comparable to CAS 64742-49-0):

Fish toxicity:

LL50 Oncorhynchus mykiss: 12 mg/L/96h

Daphnia toxicity:

EL50 Daphnia magna (Big water flea): 3 mg/L/48h

Algae toxicity:

ErL50 Pseudokirchneriella subcapitata (green algae): 55 mg/L/72h

Information about Zinc oxide (CAS 1314-13-2):

Fish toxicity:

LC50 Cottus Bairdii: 0.215 mg/L/96h

NOEC: 0.026 - 1.184 mg/L/30d

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): 0.095 mg/L/48h

NOEC: 0.014 - 0.718 mg/L/30d

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): 0.308 mg/L/72h

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 13 of 18

NOEC Pseudokirchneriella subcapitata (green algae): 0.024 mg/L/72h

Mobility in soil

No data available

Persistence and degradability

Further details:

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

100%/28d (OECD 301D), easily bio-degradable

Information about Toluene (CAS 108-88-3):

69 - 81%/5d, easily bio-degradable

Information about Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (comparable to CAS 64742-49-0):

> 60%/28d (OECD 301F), easily bio-degradable

Information about Hydrocarbons, C6, isoalkanes, < 5% n-hexane (comparable to CAS 64742-49-0):

> 60%/28d (OECD 301F), easily bio-degradable

Additional ecological information

Volatile organic compounds (VOC):

74.17 % by weight / 666.8 g/L

General information:

Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation:

Incinerate as hazardous waste according to applicable local, state, and federal regulations. Do not dispose of with household waste. Do not empty into drains.

Package

Recommendation:

Dispose of waste according to applicable legislation.
Incinerate as hazardous waste according to applicable local, state, and federal regulations.
Handle empty containers with care. Incineration may cause explosion.
Handle contaminated packages in the same way as the substance itself.
Non-contaminated packages may be recycled.

14. Transport information

UN number

ADR/RID, IMDG, IATA-DGR:

UN 1133

UN proper shipping name

ADR/RID, IATA-DGR:

UN 1133, ADHESIVES

IMDG:

UN 1133, ADHESIVES (ethyl acetate, toluene), MARINE POLLUTANT

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 14 of 18

Transport hazard class(es)

ADR/RID: Class 3, Code: F1
IMDG: Class 3, Subrisk -
IATA-DGR: Class 3



Packing group

ADR/RID, IMDG, IATA-DGR:
II



Environmental hazards

Marine pollutant: yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

USA: Department of Transportation (DOT)

Identification number: UN1133
Proper shipping name: UN 1133, ADHESIVES
Hazard class or Division: 3
Packing Group: II
Labels: 3
Special Provisions: 149, B52, IB2, T4, TP1, TP8
Packaging – Exceptions: 150
Packaging – Non-bulk: 173
Packaging – Bulk: 242
Quantity limitations – Passenger aircraft / rail: 5 L
Quantity limitations – Cargo only: 60 L
Vessel stowage – Location: B
Vessel stowage – Other:



Sea transport (IMDG)

UN number: UN 1133
Proper shipping name: UN 1133, ADHESIVES (ethyl acetate, toluene), MARINE POLLUTANT
Class or division, Subsidiary risk: Class 3, Subrisk -
Packing Group: II
EmS: F-E, S-D
Special Provisions: -
Limited quantities: 5 L
Excepted quantities: E2
Package - Instructions: P001
Package - Provisions: PP1
IBC - Instructions: IBC02
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP1, TP8
Stowage and handling: Category B.
Properties and observations: Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.
Marine pollutant: yes
Segregation group: none



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: 6/26/2025
Version: 17.0
Replaces version: 16.0
Language: en-US
Date of print: 9/2/2025

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 15 of 18

Air transport (IATA)

UN/ID number:	UN 1133
Proper shipping name::	UN 1133, ADHESIVES
Class or division, Subsidiary risk:	Class 3
Packing Group:	II
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):	3L

Further information

Protect from frost.



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Revision date: 6/26/2025
Version: 17.0
Replaces version: 16.0
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Page: 16 of 18

15. Regulatory information

National regulations - U.S. Federal Regulations

Ethyl acetate:

TSCA Inventory: listed

Other Environmental Laws:

CERCLA: RQ 5000 lbs.

RCRA Hazardous Wastes: Code U112

NIOSH Recommendations:

Occupational Health Guideline: 0260

Toluene:

TSCA Inventory: listed

Carcinogen Status:

IARC Rating: Group 3

OSHA Carcinogen: not listed

NTP Rating: not listed

Clean Air Act:

CAA Hazardous Air Pollutants: yes

CAA SOCM Chemical: yes

Clean Water Act:

CWA Hazardous Substances: RQ 1000 lbs.

CWA Priority Pollutants: yes

Other Environmental Laws:

CERCLA: RQ 1000 lbs.

RCRA Hazardous Wastes: Code U220

RCRA Groundwater Monitoring: Methods 8020, 8240 / PQL 2, 5

SARA Title III - Section 313, Toxic Release: Conc. 1.0% / Threshold Standard

NIOSH Recommendations:

Occupational Health Guideline: 0619

Formaldehyde, polymer with

4-(1,1-dimethylethyl)phenol and phenol:

TSCA Inventory: listed

4-tert-butylphenol formaldehyde resin:

TSCA Inventory: listed

Zinc oxide:

TSCA Inventory: listed

NIOSH Recommendations:

Occupational Health Guideline: 0675*

Colophony:

TSCA Inventory: listed; UVCB

6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol:

TSCA Inventory: listed

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 17 of 18

National regulations - U.S. State Regulations

Ethyl acetate: Delaware Air Quality Management List:
DRQ: 5000 - RQ State: Federal Regulations Apply
Idaho Air Pollutant List:
Title 585: AAC: 70 - EL: 93,3 - OEL: 1400 - Title 586: -
Main Hazardous Air Pollutants:
Me 2005: HAP - Hap Rpt: 20000
Massachusetts Haz. Substance codes: 2,4,5,6 F8
Minnesota Haz. Substance:
Codes: AO - Ratings: 6.83 - Status: Title III.
New York List of Hazardous Substances:
RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.
Pennsylvania Haz. Substance code: E
Washington Air Contaminant:
TWA: 400 ppm - 1400 mg

Toluene: California Proposition 65: developmental

16. Other information

Text for labeling:

Contains 25 - 30 % Ethyl acetate, 20 - 25 % Toluene, 15 - 20 % Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, 10 - 15 % Hydrocarbons, C6, isoalkanes, < 5% n-hexane, 1 - 5 % Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol and phenol, < 1 % 4-tert-butylphenol formaldehyde resin, < 1 % Zinc oxide, < 1 % Colophony, < 0.3 % 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol.

Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)
Fire: 3 (Serious)
Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 3 (Serious) - Chronic effects
Flammability: 3 (Serious)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

HEALTH	*	3
FLAMMABILITY		3
PHYSICAL HAZARD		0
X		

Classification procedure:

Physical hazards: on basis of test data
Health hazards, environmental hazards: calculation method

636N9 - OTTO BOCK Quick Drying Rubber Cement

Material number 636N 9

Page: 18 of 18

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
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
ATE: Acute toxicity estimate
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
EC: European Community
EC50: Effective Concentration 50%
EL50: Effective loading rate 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
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
Reproductive toxicant: Reproductive toxicity
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Sensitization - skin: Skin sensitisation
Skin Irritation: Skin irritation
STOT RE: Specific target organ toxicity - repeated exposure
STOT SE: Specific target organ toxicity - single exposure
SVHC: Substance of very high concern
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

Reason of change: Changes in section 2: Classification, labeling
Changes in section 3: Composition/information on ingredients
Changes in section 9: Physical and chemical properties
Changes in section 12: Ecological information
General revision

Date of first version: 7/7/2020

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.