

1. Identification

Product identifier

Trade name: Variotrac 68

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

General use: lubricants

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

2. Hazard identification

Classification of the substance or mixture

Skin Irritation - Category 2 Causes skin irritation.

Label elements

Symbols:



Signal word:

Warning

Hazard statements:

Causes skin irritation.

Precautionary statements:

Wash hands and face thoroughly after handling.

Wear protective gloves/protective clothing.

IF ON SKIN: Wash with plenty of water/soap.

Specific treatment (see 'First aid' on this label).

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Other hazards

Special danger of slipping by leaking/spilling product.

3. Composition/information on ingredients

Substances

Chemical characterization: Neopentylglycol – diisobornylether

CAS-Number: 97804-41-6

4. First aid measures

General information: Take off immediately all contaminated clothing and wash it before reuse.

In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Make sure he/she is warm and comfortable. Seek medical treatment in case of troubles.

Following skin contact: After contact with skin, wash with soap and plenty of water. In case of skin irritation, 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. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Do not try to neutralize. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Most important symptoms/effects, acute and delayed

Causes skin 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:

Full water jet

Specific hazards arising from the chemical

Fires in the immediate vicinity may cause the development of dangerous vapors.
In case of fire may be liberated: carbon monoxide and carbon dioxide, hydrogen chloride, Nitrogen oxides (NOx).

Protective equipment and precautions for firefighters

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Cool endangered containers with water spray jet. Do not allow run-off from fire-fighting to enter drains or water courses.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation, and local exhaust as needed.
Avoid contact with skin and eyes. Do not breathe vapors or spray mist.
Wear appropriate protective equipment. Take off immediately all contaminated clothing and wash it before reuse.

Environmental precautions:

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

Methods and material for containment and cleaning up

Methods for clean-up: smaller amounts: Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Larger quantities: Dam spills and pump to remove. 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 and eyes. Do not breathe vapors or spray mist.
Wear appropriate protective equipment. Take off immediately all contaminated clothing and wash it before reuse.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store in a well-ventilated place. Keep container tightly closed. Keep only in original container.
Recommended storage temperature: < 30 °C

8. Exposure controls/personal protection

Appropriate engineering controls

Provide adequate ventilation, and local exhaust as needed.

Personal protection equipment (PPE)

Respiratory protection: Respiratory protection is required for not sufficiently ventilated working places and during the spraying processing.
The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138. 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: Wear suitable protective clothing.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice.
When using do not eat, drink, smoke, sniff.
Avoid contact with skin, eyes and clothes. Do not breathe vapors or spray mist.
Wash hands before breaks and after work. Change contaminated clothing.

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:	red
Odor:	weak, pleasant odor
Odor threshold:	No data available
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	(1013 hPa) > 482 °F
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): not applicable UEL (Upper Explosive Limit): not applicable
Flash point/flash point range:	289.4 °F (51758)
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	> 160 °C
pH:	at 68 °F: in 0.1 g/L Water 6 - 7 (DIN ISO 3016)
Dynamic viscosity:	at 68 °F: approx. 350 mPa*s
Water solubility:	at 68 °F: <= 0.2 g/L
Partition coefficient: n-octanol/water:	No data available
Vapor pressure:	at 68 °F: <= 0.002 hPa
Density:	at 68 °F: 0.951 g/mL (DIN 51757)
Vapor density:	No data available
Particle characteristics:	Not applicable

Additional information

Explosive properties:	Product is not explosive.
Ignition temperature:	> 662 °F (DIN 51794)

10. Stability and reactivity

Reactivity:	refer to section 10.3
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No hazardous reaction when handled and stored according to provisions.
Conditions to avoid:	Avoid temperatures exceeding 320 °F.

Incompatible materials: strong oxidizing agents

Hazardous decomposition products:

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

11. Toxicological information

Information on toxicological effects

Acute toxicity: LD50 Rat, oral: > 5,000 mg/kg

LD50 Rat, dermal: > 2,000 mg/kg

Toxicological effects: Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

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

Serious eye damage/irritation: Based on available data, the classification criteria are not met. Irritation and redness may occur.

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.

12. Ecological information

Ecotoxicity

Further details: No data available

Persistence and degradability

Further details: Biodegradation: < 5 %

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 penetrate into soil, waterbodies or drains.

13. Disposal considerations

Waste treatment methods

Product

Recommendation: Dispose of waste according to applicable legislation.
disposal with used oil.

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.

14. Transport information

UN number

DOT, IMDG, IATA-DGR: not applicable

UN proper shipping name

DOT, IMDG, IATA-DGR: Not restricted

Transport hazard class(es)

DOT, IMDG, IATA-DGR: not applicable

Packing group

DOT, IMDG, IATA-DGR: not applicable

Environmental hazards

Marine pollutant: no

Transport in bulk according to IMO instruments

No data available

Special precautions for user

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

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

Text for labeling: Contains 100 % Variotrac 68.

Revision date: 12/17/2025

Date of first version: 10/5/2016

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: 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

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

LD50: Lethal dose 50%

LEL: Lower Explosion Limit

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OSHA: Occupational Safety and Health Administration

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted no-effect concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

Skin Irritation: Skin irritation

TRGS: Technical Rules for Hazardous Substances

vPvB: Very persistent and very bioaccumulative



SAFETY DATA SHEET

according to HCS 2024 (29 CFR 1910.1200)

Variotrac 68

Material number 633F37=0.02

Revision date: 12/17/2025

Version: 4.2

Replaces version: 4.1

Language: en-US

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Page: 8 of 8

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.