

85H31 - Kun-Gel Components A + B as a Set

Material number 085H31

Page: 1 of 7

1. Product and company identification

Product identifier

Trade name: 85H31 - Kun-Gel Components A + B as a Set

This safety data sheet pertains to the following products:

Article No. 85H31=A - Kun Gel Component A

Article No. 85H31=B - Kun Gel Component B

Recommended use and restrictions on use

General use: For the production of Silicone-cushions and - pads for orthopedic procedures.

Initial supplier identifier

Company name: Otto Bock HealthCare Canada Ltd.

Street/POB-No.: 5470 Harvester Road

Postal Code, city: Burlington, ON L7L 5N5, CA
Canada

WWW: www.ottobock.ca

E-mail: info.canada@ottobock.com

Telephone: (800) 665-3327

Telefax: (800) 463-3659

Department responsible for information:

Mark Agro, Telephone: (800) 665-3327 (9 am - 5 pm)

Additional information: Corporate headquarters:
Ottobock SE & Co. KGaA
Max-Näder-Straße 15
Duderstadt
Germany

Emergency phone number

COLLECT, Telephone: (613) 996-6666

Transport:

CONSULTANK Lutz Harder GmbH (Contract QUALI003)

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

2. Hazards identification

Emergency overview

Appearance: Form: liquid
Color: colorless,
85H31=A: Kun Gel Component A: clear
85H31=B: Kun Gel Component B: cloudy

Odor: odorless

Classification: This material is classified as not hazardous.

Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and WHMIS in Canada.

85H31 - Kun-Gel Components A + B as a Set

Material number 085H31

Page: 2 of 7

Hazards not otherwise classified

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Polysiloxane
85H31=A: Kun Gel Component A: contains Platinum-Catalyst
85H31=B: Kun Gel Component B: contains oils, SiH - functionalized

4. First aid measures

In case of inhalation: Provide fresh air.
Seek medical treatment in case of troubles.

Following skin contact: Change contaminated clothing.
After contact with skin, wash immediately with soap and plenty of water.
Consult a doctor if skin irritation persists.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth and drink large quantities of water. Immediately get medical attention.
Allow the injured person to vomit independently, but only in a fully conscious state.

Most important symptoms and effects, both acute and delayed

After eye contact: mild irritant

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range: No data available

Auto-ignition temperature: No data available

Suitable extinguishing media: Water spray jet, foam, extinguishing powder, carbon dioxide

Extinguishing media which must not be used for safety reasons: Full water jet

Specific hazards arising from the chemical

Danger of formation of toxic pyrolysis products.
In case of fire may be liberated: Silicon dioxide, carbon monoxide and carbon dioxide.

Special protective equipment and precautions for fire-fighters:
Wear self-contained breathing apparatus.

Additional information: You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

85H31 - Kun-Gel Components A + B as a Set

Material number 085H31

Page: 3 of 7

6. Accidental release measures

Personal precautions:	Provide adequate ventilation.
Environmental precautions:	Do not allow to penetrate into soil, waterbodies or drains.
Methods for clean-up:	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.
Additional information:	Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Specific use(s) For the production of Silicone-cushions and - pads for orthopedic procedures.

Storage

Requirements for storerooms and containers:

Keep container tightly closed.
Keep only in the original container.
Keep at temperature not exceeding 35 °C.

Hints on joint storage: Keep away from oxidizing agents and strong alkaline material.

8. Exposure controls / personal protection

Engineering controls

Provide adequate ventilation, and local exhaust as needed.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed safety glasses according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2003.

Skin protection: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: butyl caoutchouc (butyl rubber)-Breakthrough time: > 120 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

General hygiene considerations:

Avoid contact with skin and eyes.
Wash hands before breaks and after work.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

85H31 - Kun-Gel Components A + B as a Set

Material number 085H31

Page: 4 of 7

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: liquid Color: colorless, 85H31=A: Kun Gel Component A: clear 85H31=B: Kun Gel Component B: cloudy
Odor:	odorless
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	approx. 1 g/mL
Water solubility:	practically insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, dynamic:	approx. 1,000 mPa*s

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	No data available
Possibility of hazardous reactions:	None known
Conditions to avoid:	Keep away from heat.
Incompatible materials:	Reacts with oxidizing agents and strong alkaline material.
Hazardous decomposition products:	Danger of formation of toxic pyrolysis products. In case of fire may be liberated: Silicon dioxide, carbon monoxide and carbon dioxide. decomposition products 85H31=B: Kun Gel Component B: hydrogen (max. 3 l/kg)
Thermal decomposition:	No data available

85H31 - Kun-Gel Components A + B as a Set

Material number 085H31

Page: 5 of 7

11. Toxicological information

Toxicological tests

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

After eye contact: mild irritant

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

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

13. Disposal considerations

Product

Recommendation: Incinerate according to applicable local, state and federal regulations.

Package

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

85H31 - Kun-Gel Components A + B as a Set

Material number 085H31

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Page: 6 of 7

14. Transport information

UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

Environmental hazards

Marine pollutant:

no

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

No data available

USA: Department of Transportation (DOT)

Proper shipping name:

Not restricted

Canada: Transportation of Dangerous Goods (TDG)

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 - Canada

No data available

National regulations - U.S. Federal Regulations

No data available

National regulations - U.S. State Regulations

No data available

National regulations - EC member states

Further regulations, limitations and legal requirements:

Volatile organic compounds (VOC):
85H31=A: Kun Gel Component A: 1%
85H31=B: Kun Gel Component B: 3%

16. Other information

Hazard rating systems:



NFPA Hazard Rating:
Health: 0 (Minimal)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)

HMIS Version III Rating:
Health: 0 (Minimal)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: B

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
B	

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
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
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
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
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
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
TRGS: Technical Rules for Hazardous Substances
VOC: Volatile Organic Compounds
vPvB: Very persistent and very bioaccumulative
WHMIS: Workplace Hazardous Materials Information System

Reason of change: General revision

Date of first version: 19/6/2008

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.