Food Lube 400g

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

* **1.1. Product identifier**

Trade name/designation:

Food Lube 400g

Article No.:
T202001

UFI:
QVPS-GA05-FAFU-2TYM

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

Use of the substance/mixture:
Lubricating agent

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

* **2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

* **2.2. Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard components for labelling:
4,4'-methylene bis(dibutyldithiocarbamate)

Hazard statements: none

Supplemental hazard information	
EUH210	Safety data sheet available on request.

Precautionary statements: none

* **2.3. Other hazards**

Other adverse effects:

The mixture contains the following substances fulfilling the PBT-/vPvB criteria according to REACH Annex XIII: 4,4'-methylene bis(dibutyldithiocarbamate)

SECTION 3: Composition/information on ingredients

*
3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 8042-47-5 EC No.: 232-455-8 REACH No.: 01-2119487078-27	**White mineral oil (petroleum)** Asp. Tox. 1 (H304) Danger **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, vapour) > 5 mg/L ATE (inhalation, dust/mist) > 5 mg/L	50 – < 100 weight-%
CAS No.: 10254-57-6 EC No.: 233-593-1 REACH No.: 01-2119969655-20	**4,4'-methylene bis(dibutyldithiocarbamate)** Aquatic Chronic 4 (H413) **Acute Toxicity Estimate** ATE (oral) > 16,000 mg/kg ATE (dermal) > 2,000 mg/kg	0.1 – < 1 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation:
Remove person to fresh air and keep comfortable for breathing. If in doubt or if symptoms occur, consult a doctor and show them this document. In the event of severe symptoms, call the emergency services immediately.

In case of skin contact:
Wash with plenty of water and soap. Take off contaminated clothing and wash it before reuse. If in doubt or if symptoms occur, consult a doctor and show them this document. In the event of severe symptoms, call the emergency services immediately.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur or persist, consult an ophthalmologist.

Following ingestion:
Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

4.2. Most important symptoms and effects, both acute and delayed
No data available

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water mist, Foam, Carbon dioxide (CO2), Extinguishing powder

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
Incomplete combustion and thermolysis can produce gases of varying toxicity. In the case of products containing hydrocarbons, e.g. CO, CO2, aldehydes and soot. These can be very dangerous if inhaled in high concentrations or in enclosed spaces.

5.3. Advice for firefighters
Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

*
5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
General information Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
First aider: Pay attention to self-protection!

Protective equipment:
Wear personal protection equipment (refer to section 8).

6.1.2. For emergency responders

Personal protection equipment:
Fight fire with normal precautions from a reasonable distance.

6.2. Environmental precautions
Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure that all waste water is collected and channelled to a waste water treatment plant.

6.3. Methods and material for containment and cleaning up

For containment:
Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up:
Clean contaminated articles and floor according to the environmental legislation.

Other information:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Observe instructions for use. When using do not eat, drink, smoke, sniff.
Wear personal protection equipment (refer to section 8).

Fire prevent measures:
Keep away from sources of ignition - No smoking.

Measures to prevent aerosol and dust generation:
Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advices on general occupational hygiene
Avoid exposure. Wear suitable protective clothing when working. Draw up and observe skin protection programme.
Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:
Keep container tightly closed. Observe legal rules and regulations.

Hints on storage assembly:
Do not store together with: Oxidizing agent, Pyrophoric or self-heating substances, Food and feedingstuffs

Storage class (TRGS 510, Germany): 10 – Combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:
Store in a cool dry place. Observe legal rules and regulations.

*
7.3. Specific end use(s)

Recommendation:
Lubricating agent

SECTION 8: Exposure controls/personal protection

*
8.1. Control parameters

8.1.1. Occupational exposure limit values
No data available

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
White mineral oil (petroleum) CAS No.: 8042-47-5 EC No.: 232-455-8	164.56 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
White mineral oil (petroleum) CAS No.: 8042-47-5 EC No.: 232-455-8	34.78 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
White mineral oil (petroleum) CAS No.: 8042-47-5 EC No.: 232-455-8	217.05 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
White mineral oil (petroleum) CAS No.: 8042-47-5 EC No.: 232-455-8	93.02 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
White mineral oil (petroleum) CAS No.: 8042-47-5 EC No.: 232-455-8	25 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

8.2. Exposure controls

8.2.1. Appropriate engineering controls
If handled uncovered, arrangements with local exhaust ventilation have to be used.

8.2.2. Personal protection equipment

Eye/face protection:
Suitable eye protection: Tight-fitting safety goggles EN 166

Skin protection:
Hand protection:
Preventive skin protection with skin protection ointment. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Suitable material: NBR (Nitrile rubber); Breakthrough time: 480 min; Thickness of the glove material: 0,45 mm; EN ISO 374

Body protection:
Wear suitable protective clothing when working. Take off contaminated clothing and wash it before reuse.

Respiratory protection:
Use respiratory protection when exposed to vapours/dust/aerosol. If the relevant occupational exposure limits are exceeded, the following must be observed: Suitable respiratory protective device: Combination filter device (DIN EN 141). Filter unit with filter or blower filter unit type: A. Observe the wear time limits as specified by the manufacturer. Observe legal rules and regulations.

8.2.3. Environmental exposure controls
Observe legal rules and regulations.

SECTION 9: Physical and chemical properties

* ### 9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid
Form: pasty
Colour: colourless
Odour: odourless
flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*No data available*		
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	250 °C		
Flash point	170 °C		① ISO 3679
Evaporation rate	*No data available*		
Vapour pressure	*No data available*		
Density	0.9 g/cm³	20 °C	① DIN 51757
Bulk density	*No data available*		
Water solubility	easily soluble		

particle characteristics:
No data available

* ### 9.2. Other information
The product is not explosive.
Not oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
Stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharge.

10.5. Incompatible materials
Oxidizing agent Pyrophoric or self-heating substances

10.6. Hazardous decomposition products
Incomplete combustion and thermolysis can produce gases of varying toxicity. In the case of products containing hydrocarbons, e.g. CO, CO2, aldehydes and soot. These can be very dangerous if inhaled in high concentrations or in enclosed spaces.

Further information
Do not mix with other chemicals.

SECTION 11: Toxicological information

* **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Toxicological information

Acute Toxicity Estimate for Mixtures
ATE (oral): >2,000 mg/kg
ATE (dermal): >2,000 mg/kg
ATE (inhalation, vapour): >20 mg/L
ATE (inhalation, dust/mist): >5 mg/L
White mineral oil (petroleum) CAS No.: 8042-47-5 EC No.: 232-455-8
LD_{50} oral: >5,000 mg/kg (Rat)
LD_{50} dermal: >2,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): >5 mg/L (Rat) OECD 403
LC_{50} Acute inhalation toxicity (dust/mist): >5 mg/L 4 h (Rat)
4,4'-methylene bis(dibutyldithiocarbamate) CAS No.: 10254-57-6 EC No.: 233-593-1
LD_{50} oral: >16,000 mg/kg (Ratte) OECD 401
LD_{50} dermal: >2,000 mg/kg (Kaninchen)

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

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

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

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity:
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.

STOT-single exposure:
Based on available data, the classification criteria are not met.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

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

Additional information:
Information on probable routes of exposure: oral, inhalation, Dermal, Eye contact
Reference to other sections: 2.1, 4.2

11.2. Information on other hazards

Endocrine disrupting properties:
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information:
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

* **12.1. Toxicity**

White mineral oil (petroleum)	CAS No.: 8042-47-5 EC No.: 232-455-8
LC_{50}: >100 mg/L (fish) OECD 203	
ErC_{50}: >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus)	

12.2. Persistence and degradability

White mineral oil (petroleum)	CAS No.: 8042-47-5 EC No.: 232-455-8
Biodegradation: Yes, slowly	

* **12.3. Bioaccumulative potential**

White mineral oil (petroleum)	CAS No.: 8042-47-5 EC No.: 232-455-8
Log K_{OW}: 5.18	
Bioconcentration factor (BCF): 5,000	
4,4'-methylene bis(dibutyldithiocarbamate)	CAS No.: 10254-57-6 EC No.: 233-593-1
Log K_{OW}: 8.42	

12.4. Mobility in soil

No data available

* **12.5. Results of PBT and vPvB assessment**

White mineral oil (petroleum)	CAS No.: 8042-47-5 EC No.: 232-455-8
Results of PBT and vPvB assessment: —	
4,4'-methylene bis(dibutyldithiocarbamate)	CAS No.: 10254-57-6 EC No.: 233-593-1
Results of PBT and vPvB assessment: —	

The mixture contains the following substances fulfilling the PBT-/vPvB criteria according to REACH Annex XIII 4,4'-methylene bis(dibutyldithiocarbamate)

12.6. Endocrine disrupting properties

This product does not contain any substance that exhibits endocrine disrupting properties towards non-target organisms, as no ingredient fulfills the criteria.

* **12.7. Other adverse effects**

water hazard class 1: slightly hazardous to water

SECTION 13: Disposal considerations

* **13.1. Waste treatment methods**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

12 01 12 *	spent waxes and fats

**: Evidence for disposal must be provided.*

Waste code packaging

15 01 10 *	packaging containing residues of or contaminated by dangerous substances

**: Evidence for disposal must be provided.*

Waste treatment options

Appropriate disposal / Package:

Uncleaned packaging: Completely emptied packages can be recycled.
Recommended cleaning agent: Water, if necessary with the addition of cleaning agents.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
* **14.1. UN number or ID number**			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
* **14.2. UN proper shipping name**			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
* **14.3. Transport hazard class(es)**			
not relevant	not relevant	not relevant	not relevant
* **14.4. Packing group**			
not relevant	not relevant	not relevant	not relevant
* **14.5. Environmental hazards**			
not relevant	not relevant	not relevant	not relevant
* **14.6. Special precautions for user**			
not relevant	not relevant	not relevant	not relevant

* 14.7. Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

* 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU legislation
Restrictions on use:
Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]: No information available.
Directive 2004/42/EC on the limitation of emissions of volatile organic compounds: No information available.
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: Not subject to the SEVESO III Directive.
Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

15.1.2. National regulations
No data available

* 15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out.

SECTION 16: Other information

* 16.1. Indication of changes

1.1.	Product identifier
2.1.	Classification of the substance or mixture
2.2.	Label elements
2.3.	Other hazards
3.2.	Mixtures
5.4.	Additional information
7.3.	Specific end use(s)
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
9.2.	Other information
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008

12.1.	Toxicity
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
12.7.	Other adverse effects
13.1.	Waste treatment methods
14.1.	UN number or ID number
14.2.	UN proper shipping name
14.3.	Transport hazard class(es)
14.4.	Packing group
14.5.	Environmental hazards
14.6.	Special precautions for user
14.7.	Maritime transport in bulk according to IMO instruments
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.2.	Chemical Safety Assessment
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

*
16.2. 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
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EN	European Standard
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
OECD	Organisation for Economic Cooperation and Development
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

* **16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15**

Hazard statements	
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.

16.6. Training advice

No data available

16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.