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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: HVDE-PKK5-69F1-0723

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]

 Hazard classes and hazard categories	Hazard statements	Classification procedure
 Hazardous to the aquatic environment (Aquatic Chronic 2)	H411: Toxic to aquatic life with long lasting effects.	

* 2.2. Label elements

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



Hazard statements for environmental hazards	
H411	Toxic to aquatic life with long lasting effects.

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Supplemental hazard information: none

Precautionary statements Prevention

P273

P391

Avoid release to the environment.

Precautionary statements Response

Collect spillage.

* 2.3. Other hazards

No data available 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)	50 – < 100 weight-%
CAS No.: 597-82-0 EC No.: 209-909-9 REACH No.: 01-2119979545-21	O,O,O-triphenylphosphorothioate Aquatic Chronic 1 (H410) Warning Specific concentration limit (SCL) Aquatic Chronic 1; H410: C ≥ 10% Acute Toxicity Estimate ATE (oral) > 10,000 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. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact:

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. When in doubt or if symptoms are observed, get medical advice.

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 Headache, Nausea, Dizziness, Fatigue, Skin irritation

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.

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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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use personal protection equipment.

First aider: Pay attention to self-protection!

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). Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

See section 7 for further information on safe handling. For further information on personal protective equipment: see section 8. For further information on 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. 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. When using do not eat, drink, smoke, sniff. Wear personal protection equipment (refer to section 8). Avoid contact with eyes and skin.



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Fire prevent measures:

Keep away from sources of ignition - No smoking.

Advices on general occupational hygiene

Avoid exposure. Wear suitable protective clothing when working. Draw up and observe skin protection programme.

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):** 11 – Combustible solids 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)

No data available

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/m ³	 DNEL worker Long-term - inhalation, systemic effects
White mineral oil (petroleum) CAS No.: 8042-47-5 EC No.: 232-455-8	34.78 mg/m ³	 DNEL Consumer 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	 DNEL worker 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	 DNEL Consumer Long-term - dermal, systemic effects
White mineral oil (petroleum) CAS No.: 8042-47-5 EC No.: 232-455-8	25 mg/kg bw/ day	 DNEL Consumer 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.



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Suitable material: NBR (Nitrile rubber) Breakthrough time: 480min Thickness of the glove material 0,45 mm EN ISO 374

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

Respiratory protection:

Wear breathing apparatus if exposed to vapours/dusts/aerosols. 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 Colour: colourless flammability: No data available

Form: pasty Odour: odourless

Safety relevant basis data

Parameter Value at °C ① Method		1 Method	
			② Remark
рН	not applicable		② insoluble in: Water (DIN 19268)
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	218 °C		
Flash point	170 °C		① EN ISO 3679
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	0.9 g/cm ³	20 °C	① DIN 51757
Bulk density	not applicable		
Water solubility	practically insoluble		
Dynamic viscosity	not applicable		② DIN 53019-1
Kinematic viscosity	not applicable		② EN ISO 3104

* 9.2. Other information

flow time (20°C): EN ISO 2431

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.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

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10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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

Acute loxicity Estimate for Mixtures

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

LD₅₀ oral: >5,000 mg/kg (Rat)

LD₅₀ dermal: >2,000 mg/kg (Rabbit)

LC₅₀ Acute inhalation toxicity (vapour): >5 mg/L (Rat) OECD 403

LC₅₀ Acute inhalation toxicity (dust/mist): >5 mg/L 4 h (Rat)

O,O,O-triphenylphosphorothioate CAS No.: 597-82-0 EC No.: 209-909-9

LD₅₀ oral: >10,000 mg/kg (Ratte) OECD 401

LD₅₀ dermal: >2,000 mg/kg (Ratte) OECD 402

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

The mixture is not classified as dangerous according to Directive 1999/45/EC.

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* **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.

SECTION 12: Ecological information

* 12.1. Toxicity

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

LC₅₀: >100 mg/L (fish) OECD 203

ErC₅₀: >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus)

O,O,O-triphenylphosphorothioate CAS No.: 597-82-0 EC No.: 209-909-9

EC₅₀: >100 mg/L 2 d (crustaceans, Daphnia magna) OECD 402

NOEC: >5.5 mg/L (crustaceans, Daphnia magna) OECD 211

ErC₅₀: >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

* 12.2. Persistence and degradability

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

Biodegradation: Yes, slowly

Additional information:

The product has not been tested.

* 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

O,O,O-triphenylphosphorothioate CAS No.: 597-82-0 EC No.: 209-909-9

Log K_{OW}: 5

Bioconcentration factor (BCF):

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

* 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: —

O,O,O-triphenylphosphorothioate CAS No.: 597-82-0 EC No.: 209-909-9

Results of PBT and vPvB assessment: -

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. The product has not been tested.

12.6. Endocrine disrupting properties

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

* 12.7. Other adverse effects

water hazard class 1: slightly hazardous to water Avoid release to the environment.

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.

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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 04 metallic packaging

Waste treatment options

Appropriate disposal / Package:

Uncleaned packaging: Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	(ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or	ID number	•	
UN 3077	UN 3077	UN 3077	UN 3077
L4.2. UN proper ship	ping name	*	-
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (0,0,0- triphenylphosphorothioate) L4.3. Transport haza	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (0,0,0- Triphenylphosphorothioat)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (0,0,0- triphenylphosphorothioate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (O,O,O- triphenylphosphorothioate)
•			
4.4. Packing group	9	9	9
III 14.5. Environmental			111
14.5. Environmental		1 .	1
	1		
14.6. Special precau	tions for user		
Special Provisions: 274 335 375 601	Special Provisions: 274 335 375 601	Special Provisions: 274 335 966 967 969	Special Provisions: A97 A158 A179 A197 A21
Limited quantity (LQ): 5 kg	Limited quantity (LQ): 5 kg	Limited quantity (LQ): 5 kg	Limited quantity (LQ): 30 kg G Y956
Excepted Quantities (EQ): E1	Excepted Quantities (EQ): E1	Excepted Quantities (EQ): E1	Excepted Quantities (EQ): E1
Hazard identification number (Kemler No.): 90	Classification code: M7	EmS-No.: F-A, S-F	Remark: IATA Packing Instructions Passenger: 956
Classification code: M7			IATA Maximum Quantity - Passenger: 400 kg
Remark: Transport category 3			IATA- Verpackungsanweisung - Cargo: 956 IATA Maximum Quantity - Cargo: 400 kg

* **14.7. Maritime transport in bulk according to IMO instruments** sdgadgdg

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SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

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 No data available

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
4.1.	Description of first aid measures
7.1.	Precautions for safe handling
8.1.	Control parameters
8.2.	Exposure controls
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
11.2.	Information on other hazards
12.1.	Toxicity
12.2.	Persistence and degradability
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
15.2.	Chemical Safety Assessment
	Indication of changes
16.2.	Abbreviations and acronyms
16.2. 4	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
	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level

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EC ₅₀	Effective Concentration 50%
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
NOEC	No Observed Effect Concentration
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
SCL	Specific concentration limit
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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Hazardous to the aquatic environment	H411: Toxic to aquatic life with long	
(Aquatic Chronic 2)	lasting effects.	

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.
H410 Very toxic to aquatic life with long lasting effects.	

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.