Multi Paste 250g

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

1.1. Product identifier

Trade name/designation:

Multi Paste 250g

Article No.:
T479002

UFI:
1X8X-RE42-382X-AFFH

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

No data available

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
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
STOT-repeated exposure *(STOT RE 1)*	H372: Causes damage to organs through prolonged or repeated exposure. ( )	
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms:



GHS08
Health hazard



GHS07
Exclamation mark

Signal word: Danger

Hazard components for labelling:
Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatics (2-25%)

Hazard statements for health hazards	
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure. ( )

Hazard statements for environmental hazards	
H412	Harmful to aquatic life with long lasting effects.

Supplemental hazard information: none

Precautionary statements Prevention	
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

Precautionary statements Response	
P312	Call a POISON CENTER/doctor/ if you feel unwell.

Precautionary statements Storage	
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Precautionary statements Disposal	
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

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.: 64742-82-1 EC No.: 919-446-0 REACH No.: 01-2119458049-33	**Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatics (2-25%)** Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), STOT RE 1 (H372), STOT SE 3 (H336)  Danger **Acute Toxicity Estimate** ATE (oral) 2,000 mg/kg ATE (dermal) ≥ 5,000 mg/kg ATE (inhalation, vapour) ≥ 50 mg/L	24.5 weight-%
CAS No.: 102-71-6 EC No.: 203-049-8 REACH No.: 01-2119486482-31	**Triäthanolamin** The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. **Acute Toxicity Estimate** ATE (oral) ≥ 5,000 mg/kg ATE (dermal) ≥ 5,000 mg/kg ATE (inhalation, vapour) ≥ 50 mg/L	1.509 weight-%
CAS No.: 1336-21-6 EC No.: 215-647-6 Index No.: 007-001-01-2 REACH No.: 01-2119488876-14	**ammonia, aqueous solution** Aquatic Acute 1 (H400), Eye Dam. 1 (H318), Skin Corr. 1B (H314)  Danger **Specific concentration limit (SCL)** STOT SE 3; H335: C ≥ 5% **Acute Toxicity Estimate** ATE (oral) 350 mg/kg ATE (dermal) ≥ 5,000 mg/kg ATE (inhalation, vapour) ≥ 50 mg/L	0.915 weight-%

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

Multi Paste 250g

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
Always seek medical advice as soon as possible in case of serious or persistent disorders.

Following inhalation:
In case of serious or persistent disorders: Move to fresh air, ensure rest and consult a doctor.

In case of skin contact:
flush with water

After eye contact:
First rinse with plenty of water, then consult a doctor if necessary.

Following ingestion:
First rinse with plenty of water, then consult a doctor if necessary.

4.2. Most important symptoms and effects, both acute and delayed

Dermal Eye contact Redness oral Diarrhea Headache Abdominal cramps Fatigue Vomiting inhalation Sore throat Cough

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
CO2, Powder, Foam, Water

Unsuitable extinguishing media:
none

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for firefighters

No data available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Do not step in or touch spilled substances and avoid inhalation of fumes, smoke, dust and vapours by staying on the side facing the wind. Remove contaminated clothing and used contaminated protective equipment and dispose of safely.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:
Allow to be absorbed by absorbent material.

6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Handle with care to avoid spillage.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Store in a well-sealed container in a closed, frost-free and ventilated room.

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

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	**Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatics (2-25%)** CAS No.: 64742-82-1 EC No.: 919-446-0	① 20 mL/m³ ② 40 mL/m³ ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von mehr als 25 %)
MAK (AT)	**Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatics (2-25%)** CAS No.: 64742-82-1 EC No.: 919-446-0	① 70 mL/m³ ② 140 mL/m³ ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von 1 % bis 25 % und an Hexanen von weniger als 1 %)
MAK (AT)	**Triäthanolamin** CAS No.: 102-71-6 EC No.: 203-049-8	① 0.8 ppm (5 mg/m³) ⑤ (einatembare Fraktion) S
MAK (AT)	**Triäthanolamin** CAS No.: 102-71-6 EC No.: 203-049-8	② 1.6 ppm (10 mg/m³) ⑤ (einatembare Fraktion, max. 4x15 min./Schicht) S

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values
No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls
The level of protection and types of controls required will depend on the potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. Further information can be found in section 7 of the safety data sheet.

8.2.2. Personal protection equipment



Eye/face protection:
Keep eye wash bottle within reach. Wear tight-fitting safety glasses. In case of exceptional processing problems, wear a face shield and protective suit.

Skin protection:
Handle with nitrile protective gloves. Breakthrough time: > 480 min., layer thickness: 0.35 mm, according to EN 374. Check gloves carefully before use. Remove gloves carefully without touching the outside with the bare hand. Suitability for a specific workplace must be discussed with the manufacturer of the protective gloves. Wash and dry the hands.

Respiratory protection:
Use with adequate exhaust ventilation. If breathing hazards are present, use an air-purifying face mask if necessary. For protection against these stressful levels, use type ABEK.

Other protection measures:
Impermeable clothing. The type of protective equipment depends on the concentration and quantity of hazardous substances in the workplace concerned.

8.2.3. Environmental exposure controls
Comply with applicable environmental regulations that limit releases to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions. For more information, see sections 6 and 13 of the safety data sheet.

SECTION 9: Physical and chemical properties

*
9.1. Information on basic physical and chemical properties

Appearance
Physical state: Liquid
Colour: pink
Odour: characteristic
flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	8.3		
Melting point	0 °C		
Freezing point	*No data available*		
Initial boiling point and boiling range	100 – 192 °C		
Flash point	63 °C		
Evaporation rate	*No data available*		
Auto-ignition temperature	260 °C		
Upper/lower flammability or explosive limits	0.7 – 6 %		
Vapour pressure	2,332 Pa	20 °C	
Vapour density	*No data available*		
Density	*No data available*		
Relative density	1.24	20 °C	
Bulk density	*not applicable*		
Water solubility	practically insoluble		
Dynamic viscosity	*No data available*		
Kinematic viscosity	8,065 mm²/s	40 °C	

9.2. Other information
Dynamic viscosity, 20 °C: 10.000 mPa.s
Evaporation rate (n-BuAc =1): 0,300
Volatile organic compounds (VOC): 24,50 %
Volatile organic compounds (VOC): 303,800 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
Protect from sunlight. Do no expose to temperatures exceeding 50 °C.

10.5. Incompatible materials
Keep away from: Acids

10.6. Hazardous decomposition products
No decomposition during normal use

SECTION 11: Toxicological information

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

Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatics (2-25%) CAS No.: 64742-82-1 EC No.: 919-446-0
LD_{50} oral: 2,000 mg/kg (Rat)
LD_{50} dermal: ≥5,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): ≥50 mg/L 4 h (Rat)
Triäthanolamin CAS No.: 102-71-6 EC No.: 203-049-8
LD_{50} oral: ≥5,000 mg/kg (Ratte)
LD_{50} dermal: ≥5,000 mg/kg (Kaninchen)
LC_{50} Acute inhalation toxicity (vapour): ≥50 mg/L 4 h (Ratte)
ammonia, aqueous solution CAS No.: 1336-21-6 EC No.: 215-647-6
LD_{50} oral: 350 mg/kg (Rat)
LD_{50} dermal: ≥5,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): ≥50 mg/L 4 h (Rat)

Acute oral toxicity:
> 2.000 mg/kg

Acute dermal toxicity:
> 2.000 mg/kg

STOT-single exposure:
H336 STOT SE 3: May cause drowsiness or dizziness.

STOT-repeated exposure:
H372 STOT RE 1: Causes damage to organs through prolonged or repeated exposure.

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity

ammonia, aqueous solution CAS No.: 1336-21-6 EC No.: 215-647-6
LC_{50}: 0.89 mg/L (fish)
EC_{50}: 110 mg/L (crustaceans, Daphnia)

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
water hazard class (AwSV): 2
Water solubility: insoluble

12.5. Results of PBT and vPvB assessment

ammonia, aqueous solution CAS No.: 1336-21-6 EC No.: 215-647-6
Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Do not drain into the sewage system. Disposal must be carried out by an authorized service provider. Any restrictions imposed by the local authorities must always be observed.

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
Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compounds (VOC) content in percent by weight: 303.8 g/L

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

8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.7.	Additional information

Section 3: Composition/Information on Ingredients

* 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
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
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EINECS	European Inventory of Existing Commercial Chemical Substances
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
OSHA	Occupational Safety & Health Administration
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
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative

ATE: Acute Toxicity Estimate
Nr.: Number
UFI: Unique Formula Identifier
WGK: water hazard class
WGK 1: slightly hazardous to water
WGK 2: hazardous to water
WGK 3: highly hazardous to water

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
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
STOT-repeated exposure *(STOT RE 1)*	H372: Causes damage to organs through prolonged or repeated exposure. ( )	
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	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.