

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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

1.1. Product identifier

Trade name/designation:

Take Off 500ml

Article No.:

T119002

REACH No.:

01-2119969502-33

CAS No.:

4431-83-8

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

Use of the substance/mixture:

Solvent for the removal of silicone residues

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH

Hartleitnerstraße 3

4653 Eberstälz

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 substance 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]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information: none

Precautionary statements: none

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

No data available

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

No effects are to be expected that require special emergency measures. The following information is a practical guide to correct behaviour in the event of contact with a chemical product, even a non-hazardous one. In case of doubt or if symptoms occur, consult a doctor and show him/her this document. In case of severe symptoms, call the emergency services immediately.

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Self-protection of the first aider:

The emergency responder assisting a person who has been exposed to a chemical substance or mixture should wear personal protective equipment. The type of equipment depends on the hazard of the substance or mixture, the nature of the exposure and the extent of the contamination. If no other specific information is given, disposable gloves should be worn in case of possible contact with biological fluids. For the type of PPE appropriate and the characteristics of the substance or mixture, see Section 8.

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

No episodes of damage to health ascribable to the product have been reported.

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

If symptoms occur or persist, consult an ophthalmologist.

Following skin contact/ After eye contact: Wash with plenty of water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide, Foam, Powder, Spray mist

Unsuitable extinguishing media:

Nothing special.

5.2. Special hazards arising from the substance or mixture

In case of fire: Avoid inhalation of combustion products.

5.3. Advice for firefighters

The containers shall be cooled with water jets to prevent the decomposition of the product and the formation of potentially harmful substances. Complete fire protective clothing shall be worn at all times. Extinguishing water that is not allowed to enter the sewage pipes shall be collected. The water used for extinguishing and the fire residues shall be taken up in accordance with the regulations in force.

Personal protection: Normal firefighting clothing, e.g. an open-circuit compressed air respirator (EN 137) firefighting kit (EN469), firefighting gloves (EN 659) and firefighting boots (HO A 29 or A30)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Respiratory protection must be worn in the presence of airborne vapours or dust particles. These instructions apply to both reprocessing supervisors and emergency stop operations.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Prevent the product from entering waste water, surface water, ground water.

6.3. Methods and material for containment and cleaning up

Other information:

Contain with soil or inert material. Pick up most of the material and dispose of residues with water jets. Contaminated material must be disposed of in accordance with the regulations under point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Do not handle the product until you have read all other sections of this safety sheet. Avoid dispersal of the product in the environment. Do not eat, drink or smoke while using the product. Before entering the eating area, remove wetted clothing and protective devices.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions:

Store the product in clearly labelled containers. Keep containers away from incompatible materials, referring to section 10.

7.3. Specific end use(s)

Recommendation:

Data not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Not required.

Skin protection:

Not required.

Respiratory protection:

Not required if the chemical risk has not been assessed otherwise.

Other protection measures:

The usual precautions when handling chemicals must be observed.

8.2.3. Environmental exposure controls

Emissions from manufacturing processes, including those from ventilation equipment, should be checked for compliance with environmental legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: colourless

Odour: characteristic by solvent

flammability: No data available

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	<i>not applicable</i>		② insoluble in: Water
Melting point	-65 °C		
Freezing point	-65 °C		
Initial boiling point and boiling range	210 °C		
Flash point	88 °C		
Evaporation rate	<i>No data available</i>		
Auto-ignition temperature	210 °C		

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Parameter	Value	at °C	① Method ② Remark
Upper/lower flammability or explosive limits	0.75 - 38.2 %		
Vapour pressure	0.22 mbar	25 °C	
Vapour density	No data available		
Density	0.9921		
Bulk density	not applicable		
Water solubility	practically insoluble		
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		

9.2. Other information

Other safety characteristics

Total solids (250 °C / 482 °F): 100,00 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No special reaction hazards with other substances under normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Under normal conditions of use and storage, no hazardous reactions are foreseen.

10.4. Conditions to avoid

None in particular. However, the usual caution with chemical products must be observed.

10.5. Incompatible materials

Data not available.

10.6. Hazardous decomposition products

Data not available.

SECTION 11: Toxicological information

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

Skin corrosion/irritation:

Does not fall under the classification criteria of this hazard class

Serious eye damage/irritation:

Does not fall under the classification criteria of this hazard class

Respiratory or skin sensitisation:

Does not fall under the classification criteria of this hazard class

Germ cell mutagenicity:

Does not fall under the classification criteria of this hazard class

Carcinogenicity:

Does not fall under the classification criteria of this hazard class

Reproductive toxicity:

Does not fall under the classification criteria of this hazard class

STOT-single exposure:

Does not fall under the classification criteria of this hazard class

STOT-repeated exposure:

Does not fall under the classification criteria of this hazard class

Aspiration hazard:

Does not fall under the classification criteria of this hazard class

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11.2. Information on other hazards

Endocrine disrupting properties:

According to the available data, the substance is not included in the most important European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

According to the available data, the substance is not included in the most important European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

12.7. Other adverse effects

Use in accordance with good working practices and ensure that the product does not enter the environment. Notify the relevant authorities if the product has entered water courses or if the product has contaminated the soil or vegetation.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered as hazardous waste. The hazardousness of the waste partially containing this product must be evaluated on the basis of the legal provisions in force. Disposal must be entrusted to a company authorised for waste management, taking into account national and, where applicable, local regulations.

Waste treatment options

Appropriate disposal / Package:

Contaminated packaging material must be sent for recycling or disposal in accordance with the country's waste management regulations.

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

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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

Authorisations:

Seveso Category - Directive 2012/18/EU: None. Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006: None. Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors: not applicable. Substances in Candidate List (Art. 59 REACH): On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0,1%. Substances subject to authorisation (Annex XIV REACH): None. Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: None. Substances subject to the Rotterdam Convention: None. Substances subject to the Stockholm Convention: None. Healthcare controls: Information not available.

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

No data available

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
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
NFPA	National Fire Protection Association
PBT	persistent and bioaccumulative and toxic
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
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 substance 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

No data available

16.6. Training advice

No data available

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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.