

# SAFETY DATA SHEET

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

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## Rub & Go 150ml

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

#### 1.1. Product identifier

Trade name/designation:

Rub & Go 150ml

Article No.:

T420001

UFI:

URW9-EK9Y-UU0Y-6HNY

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

Use of the substance/mixture:

Hand cleaner

#### 1.3. Details of the supplier of the safety data sheet

Supplier:

**KANDO Service GmbH**

Hartleitnerstraße 3

4653 Eberstälzell

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
Aerosols ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	

#### Additional information:

This mixture does not present a health hazard except in the case of possible exceedance of the limit value at the workplace (see sections 3 and 8). This mixture does not present an environmental risk. Under normal conditions of use, there is no known or foreseeable adverse effect on the environment. foreseeable. The propellant gas is taken into account when determining the classification of the mixture for health and environment.

#### 2.2. Label elements

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

Hazard pictograms:



**GHS02**  
Flame

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**Signal word:** Danger

### Hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

### Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P271	Use only outdoors or in a well-ventilated area.

### Precautionary statements Storage

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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## 2.3. Other hazards

### Other adverse effects:

The mixture does not contain any substance of very high concern (SVHC)  $\geq 0.1\%$  published by the European Chemical Agency (ECHA) according to Article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>. The mixture does not meet the criteria applied to PBT and vPvB mixtures, according to Annex XIII of REACH Directive (EC) No 1907/2006. The mixture does not contain any substance  $\geq 0.1\%$  that is classified as a substance of very high concern (SVHC) according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 has endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Additional information:

STYRENE BUTADIENE COPOLYMER, AQUA, BUTANE / ISOBUTANE / PROPANE, DIMETHICONE, GLYCERIN, PARFUM, PHENOXYETHANOL, 2-BROMO-2-NITROPROPANE-1,3-DIOL, LINALOOL, CITRAL, LIMONENE.

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0 REACH No.: 01-2119474691-32	<b>butane</b> Flam. Gas 1A (H220), Press. Gas (Comp.) (H280) Danger	2.5 - < 10 Vol-%
CAS No.: 68002-80-2 EC No.: 268-094-8	<b>Fatty acids, C14-18 and C16-18-unsatd., potassium salts</b> Eye Irrit. 2 (H319) Warning	1 - < 2.5 Vol-%
CAS No.: 75-28-5 EC No.: 200-857-2	<b>isobutane</b> Flam. Gas 1A (H220), Press. Gas (Comp.) (H280) Danger	1 - < 2.5 Vol-%
CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5 REACH No.: 01-2119486944-21	<b>propane</b> Flam. Gas 1A (H220), Press. Gas (Comp.) (H280) Danger	1 - < 2.5 Vol-%

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

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### Following inhalation:

Remove casualty to fresh air and keep warm and at rest. Consult a doctor if symptoms persist.

### In case of skin contact:

In case of skin reactions, consult a physician.

### After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

### Following ingestion:

If small amounts are ingested (not more than one sip), rinse mouth with water and consult a doctor.

Do NOT induce vomiting. Keep at rest.

Consult a doctor and show him the label.

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

No information available.

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

No information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Water mist, Water with additive AFFF (Aqueous Film Forming Foam), Halon, Foam, ABC-Powder, BC-Powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media:

Water jet

### 5.2. Special hazards arising from the substance or mixture

In case of fire, dense black smoke is often produced. Exposure to decomposition products can be harmful to health. Do not inhale smoke.

#### Hazardous combustion products:

Carbon monoxide, carbon dioxide, amorphous silicon dioxide, Formaldehyde

### 5.3. Advice for firefighters

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:

Follow protective measures in sections 7 and 8. Remove all sources of ignition. Ventilate affected area.

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Wear personal protection equipment (refer to section 8).

### 6.2. Environmental precautions

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Do not allow to enter into surface water or drains. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). In case of spillage into water or sewage system, inform the competent authorities. Use drums to dispose of the collected waste in accordance with the applicable regulations (see section 13).

### 6.3. Methods and material for containment and cleaning up

#### For cleaning up:

Preferably clean with a detergent, do not use organic solvents. Take up mechanically.

### 6.4. Reference to other sections

No further details.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes. Ensure good ventilation/extraction at the workplace. Personal protection equipment: see section 8. Take care for the labels and safety data sheets of the chemicals to be used. Do not breathe spray.

##### Fire prevent measures:

Handle in well ventilated areas. Vapours are heavier than air. They can spread on the ground and form explosive mixtures together with air. Prevent the formation of ignitable or explosive vapour-air concentrations. Avoid vapour concentrations above Avoid exposure limits. Do not spray on a flame or glowing object. Do not open by force or burn, even after use. Use the mixture in rooms without open flames or other ignition sources and with protected electrical equipment. Keep container tightly closed when not in use. Keep away from heat sources, sparks or open flames. Do not use tools that can produce sparks. Do not smoke. Prevent access for unauthorised persons.

##### Advices on general occupational hygiene

Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels:

Keep only in the original container in a cool, well-ventilated place.

##### Further information on storage conditions:

Store away from heat, weather, moisture and frost.

#### 7.3. Specific end use(s)

##### Recommendation:

No further details.

### 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)	<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7	① 800 ppm (1,900 mg/m <sup>3</sup> )
MAK (AT)	<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7	② 1,600 ppm (3,800 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	<b>isobutane</b> CAS No.: 75-28-5 EC No.: 200-857-2	② 1,600 ppm (3,800 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./Schicht Momentanwert)
MAK (AT)	<b>isobutane</b> CAS No.: 75-28-5 EC No.: 200-857-2	① 800 ppm (1,900 mg/m <sup>3</sup> )
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	② 2,000 ppm (3,600 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	① 1,000 ppm (1,800 mg/m <sup>3</sup> )

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### 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

No data available

### 8.2.2. Personal protection equipment

#### Eye/face protection:

Avoid contact with eyes. Use eye protection against liquid splashes. Safety goggles complying with standard EN 166 must be worn at all times during use.

#### Skin protection:

Hand protection:

Wear suitable protective gloves in case of prolonged or repeated skin contact.

Glove material:

PVC (polyvinyl chloride)

NBR (Nitrile rubber)

Skin protection:

Personnel must wear regularly washed work clothes. After contact with the product, all soiled parts of the body must be washed.

#### Respiratory protection:

FFP1

Gas and steam filter (combi-filter) according to standard EN 14387: AX (brown)

Particle filter device (EN 143): P1 (white)

In case of inadequate ventilation wear respiratory protection.

#### Other protection measures:

Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Ensure good ventilation/extraction at the workplace.

### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Liquid

**Colour:** According to product designation

**Odour:** not determined

**Odour threshold:** not determined

#### Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	10.5	
Melting point	No data available	
Freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
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	No data available	
Relative density	< 1	

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Parameter	Value	① Method ② Remark
Bulk density	<i>not applicable</i>	
Water solubility	easily soluble	
Dynamic viscosity	<i>No data available</i>	
Kinematic viscosity	<i>No data available</i>	

### 9.2. Other information

No further details.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

Chemically stable under conditions of storage, handling and use.

### 10.3. Possibility of hazardous reactions

At high temperatures, the mixture may release hazardous decomposition products, such as carbon monoxide, carbon dioxide, smoke or nitrogen oxide.

### 10.4. Conditions to avoid

The operation of devices/work equipment that produce flames or sparks or heat a metal surface (e.g. burners, electric arches, ovens, etc.) is not permitted in the work area/rooms. Avoid: Heating, heat, electrical charge, flames and hot surfaces, frost, ignition sources.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide

## SECTION 11: Toxicological information

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

#### Acute oral toxicity:

No toxicological information is available for the mixture.

#### Acute dermal toxicity:

No toxicological information is available for the mixture.

#### Acute inhalation toxicity:

No toxicological information is available for the mixture.

#### Skin corrosion/irritation:

No toxicological information is available for the mixture.

#### Serious eye damage/irritation:

Causes serious eye damage.

#### Respiratory or skin sensitisation:

No toxicological information is available for the mixture.

#### Germ cell mutagenicity:

No toxicological information is available for the mixture.

#### Carcinogenicity:

No toxicological information is available for the mixture.

#### Reproductive toxicity:

No toxicological information is available for the mixture.

#### STOT-single exposure:

No toxicological information is available for the mixture.

#### STOT-repeated exposure:

No toxicological information is available for the mixture.

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### Aspiration hazard:

No toxicological information is available for the mixture.

### 11.2. Information on other hazards

#### Endocrine disrupting properties:

No toxicological information is available for the mixture.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>LC<sub>50</sub></b> : 49.9 mg/L 4 d (fish)
<b>EC<sub>50</sub></b> : 69.43 mg/L 2 d (crustaceans, Daphnia)
<b>ErC<sub>50</sub></b> : 19.37 mg/L 4 d (Algae/water plant)
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>LC<sub>50</sub></b> : 9,640 mg/L 4 d (fish, Pimephales promelas)
<b>LC<sub>50</sub></b> : 0.41 mg/L 4 d (fish, Oncorhynchus mykiss)
<b>LC<sub>50</sub></b> : 49.9 mg/L 4 d (fish)
<b>EC<sub>50</sub></b> : >100 mg/L (Algae/water plant, Bacteria)
<b>EC<sub>50</sub></b> : 0.17 mg/L 3 d (Algae/water plant, Selenastrum capricornutum)
<b>EC<sub>50</sub></b> : 69.43 mg/L 2 d (crustaceans, Daphnia)
<b>NOEC</b> : 0.017 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)
<b>ErC<sub>50</sub></b> : 19.37 mg/L 4 d (Algae/water plant)
<b>LOEC</b> : 1,000 mg/L (Algae/water plant, Algae)
<b>LOEC</b> : 1,000 mg/L (Algae/water plant, Alge)

### Aquatic toxicity:

No further relevant information available.

### 12.2. Persistence and degradability

<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>Biodegradation</b> : Yes, rapidly
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>Biodegradation</b> : Yes, rapidly

### Abiotic degradation:

No further relevant information available.

### Biodegradation:

No further relevant information available.

### 12.3. Bioaccumulative potential

<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>Log K<sub>ow</sub></b> : 1.09
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>Log K<sub>ow</sub></b> : 1.09

### Accumulation / Evaluation:

No further relevant information available.

### 12.4. Mobility in soil

No further relevant information available.

### 12.5. Results of PBT and vPvB assessment

<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>Results of PBT and vPvB assessment</b> : —

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**isobutane** CAS No.: 75-28-5 EC No.: 200-857-2

**Results of PBT and vPvB assessment:** —

**propane** CAS No.: 74-98-6 EC No.: 200-827-9

**Results of PBT and vPvB assessment:** —

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

### 12.6. Endocrine disrupting properties

No further relevant information available.

### 12.7. Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

#### Waste treatment options





##### Appropriate disposal / Product:

Waste disposal must be carried out without risk to people and the environment, in particular to water, air, soil, fauna and flora. Disposal or recycling in accordance with valid legislation preferably by an authorised waste collector or a specialist waste management company. Do not contaminate soil or groundwater, do not dispose of waste in the environment.

##### Appropriate disposal / Package:

Uncleaned packaging: Only dispose of the container when it is empty. Do not remove the label(s) on the container. Return to an authorised disposal company.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
UN 1950	UN 1950	UN 1950	UN 1950
<b>14.2. UN proper shipping name</b>			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable
<b>14.3. Transport hazard class(es)</b>			
 2.1	 2.1	 2.1	 2.1
<b>14.4. Packing group</b>			
		-	
<b>14.5. Environmental hazards</b>			
No	No	No	No
<b>14.6. Special precautions for user</b>			
<b>Special Provisions:</b> 190   327   344   625 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E0 <b>Classification code:</b> 5F <b>Tunnel restriction code:</b> (D)	<b>Special Provisions:</b> 190   327   344   625 <b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E0 <b>Classification code:</b> 5F	<b>Special Provisions:</b> 63   190   277   327   344   381   959 <b>Limited quantity (LQ):</b> Siehe SV277 <b>Excepted Quantities (EQ):</b> E0 <b>EmS-No.:</b> F-D, S-U	<b>Special Provisions:</b> A145   A167 <b>Limited quantity (LQ):</b> Y203 <b>Excepted Quantities (EQ):</b> E0 <b>Remark:</b> IATA Packing Instructions - Passenger: 203 IATA Maximum Quantity - Passenger: 75 KG



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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
			IATA-Verpackungsanweisung - Cargo: 203 IATA Maximum Quantity - Cargo: 150 KG

### 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:

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

##### Other regulations (EU):

Labelling of cosmetics (Regulation EC No 1223/2009): Allergenic fragrances: citral, d-limonene, linalool

#### 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

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
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
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
SVHC	substances of very high concern
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
ZNS	central nervous system

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### 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
Aerosols ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	

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

Hazard statements	
H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.

### 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.