

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**TIP TOP RCF DRY BUFFER**

Revision date: 12/07/2020

Product code: 00156-0390

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**1. Identification****Product identifier**

TIP TOP RCF DRY BUFFER

**Art.-No.**

593 2010, 599 2100

**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**

Cleaning agent

**Details of the supplier of the safety data sheet**

Company name: REMA TIP TOP AG

Street: Gruber Strasse 65

Place: D-85586 Poing

Telephone: +49 (0) 8121 / 707 - 100

Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

**Emergency phone number:**INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
(USA domestic) 1 800 535 5053 or international (001) 352 323 3500**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

**Label elements****Hazards not otherwise classified**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

**3. Composition/information on ingredients****Mixtures****Chemical characterization**

Mixture of the following substances with non-hazardous admixtures

**Hazardous components**

CAS No	Components	Quantity
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	9.18 %
13463-67-7	Titanium dioxide	0.36 %

**Further Information**

Specific concentration limits

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts

C &gt;= 20% =&gt; H318

10% &gt;= C &gt; 20 % =&gt; H315

**4. First-aid measures****Description of first aid measures****General information**

If you feel unwell, seek medical advice.

No specific precautions required.

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**After inhalation**

No special measure necessary.

**After contact with skin**

Rinse with plenty of water.

**After contact with eyes**Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical treatment by eye specialist.**After ingestion**

Do not provoke vomiting. Consult physician. Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients. Rinse mouth. Make drink some glasses of water. The decision whether to provoke vomiting is to be taken by a physician.

**Most important symptoms and effects, both acute and delayed**

Watch out. Beware, hazard of foam aspiration.

**Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.

**Unsuitable extinguishing media**

Full water jet.

**Specific hazards arising from the chemical**

Fire may produce:

Carbon monoxide, carbon dioxide, sulphur oxides and nitrogen oxides (NO<sub>x</sub>).**Special protective equipment and precautions for fire-fighters**

Use breathing apparatus with independent air supply.

Protective suit.

**Additional information**

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****General advice**

Attention. Hazard of skidding.

**For non-emergency personnel**

Avoid contact with eyes, skin or mucous membrane.

**For emergency responders**

Use personal protective clothing.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**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**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.



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#### Reference to other sections

Observe protective instructions (see Sections 7 and 8).  
Information for disposal look up chapter 13.

## 7. Handling and storage

#### Precautions for safe handling

##### Advice on safe handling

Avoid contact with eyes.

##### Advice on protection against fire and explosion

No special protective measures against fire required.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

##### Hints on joint storage

No materials to be especially mentioned.

##### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

## 8. Exposure controls/personal protection

#### Control parameters

#### Exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
9004-34-6	Cellulose (total)	-	10		TWA (8 h)	REL
9004-34-6	Cellulose Respirable fraction	-	5		TWA (8 h)	PEL
9004-34-6	Cellulose		10		TWA (8 h)	ACGIH-2022
13463-67-7	Titanium dioxide Total dust	-	15		TWA (8 h)	PEL
13463-67-7	Titanium dioxide: Finescale particles (Respirable particulate matter)		2.5		TWA (8 h)	ACGIH-2022

#### Additional advice on limit values

This product does not contain any substances for which a Workplace Exposure Limit has been set in concentrations above the limits.

#### Exposure controls

##### Protective and hygiene measures

When using do not eat or drink.  
Take off immediately all contaminated clothing.  
Avoid contact with the eyes.

##### Eye/face protection

Safety goggles with side protection.  
Eye wash bottle with pure water.

##### Skin protection

Long sleeved clothing.

##### Respiratory protection

No personal respiratory protective equipment normally required.

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**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Pasty
Color:	Yellowish
Odor:	Fruity
pH-Value:	5,5 - 6,5

**Changes in the physical state**

Melting point/freezing point:	n.d.
Boiling point or initial boiling point and boiling range:	100 °C
Sublimation point:	n.a.
Softening point:	n.d.
Flash point:	n.a.

**Flammability**

Solid/liquid:	n.a.
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**Explosive properties**

The product is not explosive.

Lower explosion limits:	n.a.
Upper explosion limits:	n.a.
Auto-ignition temperature:	n.a.

**Self-ignition temperature**

Solid:	n.a.
Gas:	n.a.

Decomposition temperature:	n.d.
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**Oxidizing properties**

Not oxidising.

Vapor pressure:	24 hPa
Density:	0,85 g/cm <sup>3</sup>
Bulk density:	n.a.
Water solubility:	Immiscible

**Solubility in other solvents**

n.d.

Partition coefficient n-octanol/water:	n.d.
Viscosity / dynamic:	n.d.
Viscosity / kinematic:	n.d.
Flow time:	n.d.
Relative vapour density:	n.d.
Evaporation rate:	n.d.
Solvent separation test:	0 %
Solvent content:	0 %

**Other information**

No data available

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**10. Stability and reactivity****Reactivity**

No decomposition if stored and applied as directed.

**Chemical stability**

Stability: Stable

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

No hazardous reactions known.

**Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**Incompatible materials**

No incompatible products to be specially mentioned.

**Hazardous decomposition products**

No hazardous decomposition products known.

Fire may produce:

Carbon monoxide, carbon dioxide, sulphur oxides, and nitrogen oxides (NO<sub>x</sub>).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Skin and eye contact and ingestion.

**Acute toxicity**

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

No toxicological data available.

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

**Irritation and corrosivity**

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

**Sensitizing effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**Specific target organ toxicity (STOT) - single exposure**

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

**Specific target organ toxicity (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 on tests**

This product is classified in accordance with the GHS regulations.

**Information on other hazards****Endocrine disrupting properties**

No data available



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#### Other information

Watch out. Beware, hazard of foam aspiration.

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

## 12. Ecological information

#### Ecotoxicity

Ecological data are not available.

#### Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### Other adverse effects

Hazardous water pollutant.

#### Further information

Product is not allowed to be discharged into aquatic environment.

## 13. Disposal considerations

#### Waste treatment methods

##### Disposal recommendations

Where possible recycling is preferred to disposal.

Can be landfilled or incinerated, when in compliance with local regulations.

##### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

## 14. Transport information

#### US DOT 49 CFR 172.101

##### Proper shipping name:

No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

##### UN number:

No dangerous good in sense of this transport regulation.

##### UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

##### UN number:

No dangerous good in sense of this transport regulation.

##### UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

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**Packing group:** No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### Special precautions for user

No dangerous good in sense of this transport regulation.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

## 15. Regulatory information

### U.S. Regulations

#### **National Inventory TSCA**

All of the components are listed on the TSCA inventory.

#### **National regulatory information**

SARA Section 311/312 Hazards:

Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1): Immediate (acute) health hazard

Titanium dioxide (13463-67-7): Delayed (chronic) health hazard

### State Regulations

#### **Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

WARNING: This product can expose you to chemicals including Diethanolamine (cancer), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 16. Other information

### **Hazardous Materials Identification System (HMIS)**

Health: 0

Flammability: 1

Physical Hazard: 0

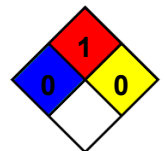
### **NFPA Hazard Ratings**

Health: 0

Flammability: 1

Reactivity: 0

Unique Hazard:



### **Changes**

Revision date: 12/07/2020

Revision No: 2,2

This data sheet contains changes from the previous version in section(s): 2,4,6,8,9,10,11,14,15,16.

### **Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

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GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Other data**

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*