

# TIP TOP RCF DRY BUFFER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 08/03/2012 Revision date: 10/06/2026 Supersedes: 07/12/2020 Version: 2.3  
SDS No: 00156-0390



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

#### 1.1. Product identifier

Product form : Mixture  
Product name : TIP TOP RCF DRY BUFFER  
Product code : 593 2010, 599 2100

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Cleaning agent

##### 1.2.2. Uses advised against

No additional information available.

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

##### Manufacturer

REMA TIP TOP AG  
Gruber Strasse 65  
85586 Poing  
T +49 (0) 8121 / 707 - 100  
[info@tip-top.de](mailto:info@tip-top.de)  
E-mail address of competent person responsible for the SDS: [sds@gbk-ingelheim.de](mailto:sds@gbk-ingelheim.de)

#### 1.4. Emergency telephone number

Emergency number : INTERNATIONAL: +49 (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
Public Poisons Information Line: +353 (0) 1 809 2166 (8am-10pm 7 days a week)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Comments : Mixture of the substances listed below with nonhazardous additives

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	CAS-No.: 68955-19-1 EC-No.: 273-257-1 REACH-no: 01-2119490225-39	< 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	CAS-No.: 68955-19-1 EC-No.: 273-257-1 REACH-no: 01-2119490225-39	(10 ≤ C < 20) Eye Irrit. 2; H319 (20 ≤ C < 100) Eye Dam. 1; H318

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice. No special precautions required.
First-aid measures after inhalation	: No specific measures are necessary.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients. Do not induce vomiting without medical advice. Call a physician immediately. Rinse mouth. Drink plenty of water.

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

Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: Watch out. Beware, hazard of foam aspiration.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Product itself does not burn. Fire-extinguishing activities according to surrounding.
Unsuitable extinguishing media	: high volume water jet.

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

Fire hazard	: Product itself does not burn.
Explosion hazard	: Product is not explosive.
Hazardous decomposition products in case of fire	: Fire may produce: Carbon oxides (CO, CO <sub>2</sub> ). Sulphur oxides. Nitrogen oxides.

### 5.3. Advice for firefighters

Precautionary measures fire	: Cool endangered containers with water spray jet.
Firefighting instructions	: Fight fire from safe distance and protected location.
Protection during firefighting	: Self-contained breathing apparatus. Complete protective clothing.

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

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spills of this product present a serious slipping hazard. Avoid contact with eyes, skin or mucous membrane.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

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

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

For containment : Dam up the liquid spill.  
Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Shovel or sweep up and put in a closed container for disposal.

#### 6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8. For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes.  
Hygiene measures : Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

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

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store in a dry place.  
Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

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

See Section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

Cellulose (9004-34-6)	
Ireland - Occupational Exposure Limits	
Local name	Cellulose
OEL TWA	10 mg/m <sup>3</sup>
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)

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Cellulose (9004-34-6)	
Regulatory reference	Chemical Agents Code of Practice 2026

### 8.1.2. Recommended monitoring procedures

Monitoring methods	
Monitoring methods	A specific exposure sampling method is not available.
Biological monitoring methods	A specific exposure sampling method is not available

### 8.1.3. Air contaminants formed

No additional information available.

### 8.1.4. DNEL and PNEC

No additional information available.

### 8.1.5. Control banding

No additional information available.

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Eyewash bottle with clean water (EN 15154)

Eye protection			
Type	Field of application	Characteristics	Standard
Protective goggles (EN 166)	Liquid splashes may occur		EN 166

#### 8.2.2.2. Skin protection

Skin and body protection	
Type	Standard
Long sleeved protective clothing	EN ISO 6530

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No personal breathing protective equipment is normally required

#### 8.2.2.4. Thermal hazards

No additional information available.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Consumer exposure controls:

Immediately remove contaminated clothing or footwear. Avoid contact with eyes.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: yellowish
Appearance	: Pasty.
Odour	: Fruity
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 100 °C
Flammability	: Not available
Explosive properties	: Product is not explosive.
Oxidising properties	: Not oxidising.
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 5.5 – 6.5
Viscosity, kinematic	: Not available
Solubility	: immiscible. Water: immiscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 24 hPa
Vapour pressure at 50°C	: Not available
Density	: 0.85 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable.

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

No additional information available.

##### 9.2.2. Other safety characteristics

VOC content	: 0 %
Additional information	: Solvent content 0%. Solvent separation test (%) 0

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No decomposition if stored normally.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

#### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

#### 10.5. Incompatible materials

No materials to be especially mentioned.

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### 10.6. Hazardous decomposition products

No dangerous reactions known under normal conditions of use. Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Sulphur oxides. Nitrogen oxides.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

#### Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)

LD50 oral rat	> 2000 mg/kg bodyweight rat, Test method EU B.1 (bis)
LD50 dermal rat	> 2000 mg/kg bodyweight rat, (OECD 402 method)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: 5.5 – 6.5  
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: 5.5 – 6.5  
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)  
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)  
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

#### 11.2.2. Other information

Potential adverse human health effects and symptoms : Watch out. Beware, hazard of foam aspiration  
Other information : If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)  
Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

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### 12.2. Persistence and degradability

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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
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### 12.3. Bioaccumulative potential

No additional information available.

### 12.4. Mobility in soil

No additional information available.

### 12.5. Results of PBT and vPvB assessment

No additional information available.

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

### 12.7. Other adverse effects

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Other information	Harmful to aquatic life
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Can be incinerated according to local regulations. Recycling is preferred to disposal or incineration. Can be landfilled, when in compliance with local regulations.

Product/Packaging disposal recommendations : 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.

European List of Waste (LoW, EC 2000/532) : 07 06 99 - wastes not otherwise specified

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
<b>14.2. UN proper shipping name</b>				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
<b>14.3. Transport hazard class(es)</b>				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.

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ADR	IMDG	IATA	ADN	RID
<b>14.4. Packing group</b>				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
<b>14.5. Environmental hazards</b>				
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not applicable.

#### Transport by sea

Not applicable.

#### Air transport

Not applicable.

#### Inland waterway transport

Not applicable.

#### Rail transport

Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation (EU) 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation (EU) 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

##### VOC Directive (2004/42)

VOC content : 0 %

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### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
IARC	International Agency for Research on Cancer
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
CAS	CAS (Chemical Abstracts Service) number
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BCF	Bioconcentration factor
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

Other information

: Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. 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.

Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3

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Full text of H- and EUH-statements:	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.