

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**MAFOR BRILLANT**

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 1 of 9

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

MAFOR BRILLANT

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

Professional use of dishwash products

**Uses advised against**

No information available.

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

Company name:	DR.SCHNELL GmbH & Co. KGaA	
Street:	Taunusstraße 19	
Place:	D-80807 München	
Telephone:	+49/89/350608-0	Telefax: +49/89/350608-47
e-mail:	info@dr-schnell.de	
Contact person:	Josef Feuerstein	Telephone: +49/89/350608-46
e-mail:	sdb@dr-schnell.de	
Internet:	www.dr-schnell.de	
Responsible Department:	Labor	

**1.4. Emergency telephone number:**Emergency CONTACT (24-Hour-Number) international:  
GBK GmbH +49 (0) 61 32 - 8 44 63**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Acute toxicity: Acute Tox. 4

Serious eye damage/eye irritation: Eye Irrit. 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful if swallowed.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Alkoholalkoxylat

**Signal word:** Warning**Pictograms:****Hazard statements**

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P273	Avoid release to the environment.
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**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**MAFOR BRILLANT**

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 2 of 9

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

**2.3. Other hazards**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
	fatty alcohol alkoxylate	40 - < 45 %
	02-2119552469-28	
	Acute Tox. 4, Eye Irrit. 2, Aquatic Chronic 3; H302 H319 H412	
15763-76-5	Sodium cumenesulphonate	1 - < 5 %
	239-854-6	
	01-2119489411-37	
	Eye Irrit. 2; H319	

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

**Further Information**

Regulation (EC) No. 648/2004 (Detergents regulation)  
 30 % - < 50 % nonionic surfactants  
 Benzisothiazolinone, Methylisothiazolinone

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Move victim out of danger zone. Provide fresh air.  
 In all cases of doubt, or when symptoms persist, seek medical advice.  
 To be accompanied by MSDS.

**After contact with skin**

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. In case of skin irritation, seek medical treatment.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Medical treatment necessary. Call a physician immediately. To be accompanied by MSDS.

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

If applicable, delayed symptoms and effects can be found in section 11. , i.e. under section 4.1 for absorption methods.

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

Treat symptomatically. No special measures are necessary.

**SECTION 5: Firefighting measures**

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**MAFOR BRILLANT**

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 3 of 9

**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Water spray. / alcohol resistant foam. / Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

No information available.

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

Non-flammable. Hazardous combustion products

Oxides of carbon

Gas/vapours, harmful.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

Dispose of waste according to applicable legislation.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Avoid contact with eyes and skin.

If necessary Caution, slippery

**6.2. Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Prevent surface and ground-water infiltration, as well as ground penetration.

Do not pour down the drain undiluted.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Flush residue with plenty of water.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13 For personal protective equipment see Section 8 and for disposal instructions see Section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Do not breathe gas/fumes/vapour/spray. In addition to the information contained in this section, relevant information can also be found in sections 8 and 6.1.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Further information on handling**

Observe instructions for use.

Notice the directions for use on the label.

Working methods should be applied according to operating instructions.

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**MAFOR BRILLANT**

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 4 of 9

Contaminated work clothing should not be allowed out of the workplace.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

**Advice on storage compatibility**

No special measures are necessary.

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

No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

This can be achieved by local exhaust ventilation or general ventilation.

When exceeding the occupational exposure limit (OEL):

Use appropriate respiratory protection.

Applies only if maximum permissible exposure values are listed here.

**Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

When using do not eat or drink. General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

Contaminated work clothing should not be allowed out of the workplace.

**Eye/face protection**

Tightly sealed safety glasses. (EN 166)

**Hand protection**

Protective gloves made of natural latex (EN 374), Permeation time (penetration time) in minutes: 480

Protective gloves of nitrile (EN 374), Permeation time (penetration time) in minutes: 480

Recommendation: Manufacturer: KCL GmbH, D-36124 Eichenzell, E-mail: [vertrieb@kcl.de](mailto:vertrieb@kcl.de)

Specification No.: 706 Lapren, 730 Camatril Velours

On short hand contact: rubber gloves. (EN 374)

No tests have been carried out.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

**Environmental exposure controls**

No information available.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### MAFOR BRILLANT

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 5 of 9

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid	
Colour:	blue	
pH-Value:		9,8

#### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	100 °C
Flash point:	> 100 °C

#### Flammability

Solid:	not determined
Gas:	not determined

#### Explosive properties

not determined

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

#### Auto-ignition temperature

Solid:	not determined
Gas:	not determined

Decomposition temperature:	not determined
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#### Oxidizing properties

not determined

Vapour pressure:	not determined
Vapour pressure:	not determined
Density:	1,026 g/cm <sup>3</sup>
Bulk density:	not determined
Water solubility:	easily soluble.

#### Solubility in other solvents

not determined

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Solvent content:	not determined

### 9.2. Other information

Solid content:	not determined
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Mixability: not determined  
 Fat solubility (g/l): not determined  
 Conductivity: not determined  
 Surface tension: not determined

## SECTION 10: Stability and reactivity

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### MAFOR BRILLANT

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 6 of 9

#### 10.1. Reactivity

See also Subsection 10.4 to 10.6.  
The product has not been tested.

#### 10.2. Chemical stability

See also Subsection 10.4 to 10.6.  
Stable with proper storage and handling.

#### 10.3. Possibility of hazardous reactions

See also Subsection 10.4 to 10.6.

#### 10.4. Conditions to avoid

See also section 7.

#### 10.5. Incompatible materials

See also section 7.

#### 10.6. Hazardous decomposition products

See also Subsection 10.4 to 10.6.  
Also refer to section 5.3.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### **Toxicokinetics, metabolism and distribution**

Possibly more information on health effects, see Section 2.1 (classification).

##### **Acute toxicity**

Harmful if swallowed.

##### **ATEmix calculated**

ATE (oral) 1250,0 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	fatty alcohol alkoxylate				
	oral	LD50 >500-<20 00 mg/kg	Rat		
15763-76-5	Sodium cumenesulphonate				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 >5 mg/l	Rat		

##### **Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

##### **Sensitising 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.

##### **STOT-single exposure**

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

##### **STOT-repeated exposure**

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**MAFOR BRILLANT**

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 7 of 9

**Aspiration hazard**

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

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	fatty alcohol alkoxylate					
	Acute fish toxicity	LC50 mg/l	10-100	96 h	Brachydanio rerio (zebra-fish)	
	Acute algae toxicity	ErC50 mg/l	10-100	72 h		
	Acute crustacea toxicity	EC50 mg/l	10-100	48 h		
15763-76-5	Sodium cumenesulphonate					
	Acute fish toxicity	LC50 mg/l	>100	96 h	Cyprinus carpio (Common Carp)	
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Grünalge	Desmodesmus subspicatus
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia magna	

**12.2. Persistence and degradability**

The surfactant contained in this mixture complies 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.

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

No data available

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Dispose of waste according to applicable legislation.

For example: designated incinerator

E.g. dispose at suitable refuse site.

**Waste disposal number of waste from residues/unused products**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**MAFOR BRILLANT**

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 8 of 9

**Waste disposal number of contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Dispose of waste according to applicable legislation.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** Not a hazardous material with respect to these transportation regulations.  
**14.2. UN proper shipping name:** Not a hazardous material with respect to these transportation regulations.  
**14.3. Transport hazard class(es):** Not a hazardous material with respect to these transportation regulations.  
**14.4. Packing group:** Not a hazardous material with respect to these transportation regulations.

**Inland waterways transport (ADN)**

**14.1. UN number:** Not a hazardous material with respect to these transportation regulations.  
**14.2. UN proper shipping name:** Not a hazardous material with respect to these transportation regulations.  
**14.3. Transport hazard class(es):** Not a hazardous material with respect to these transportation regulations.  
**14.4. Packing group:** Not a hazardous material with respect to these transportation regulations.

**Marine transport (IMDG)**

**14.1. UN number:** Not a hazardous material with respect to these transportation regulations.  
**14.2. UN proper shipping name:** Not a hazardous material with respect to these transportation regulations.  
**14.3. Transport hazard class(es):** Not a hazardous material with respect to these transportation regulations.

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

**14.1. UN number:** Not a hazardous material with respect to these transportation regulations.  
**14.2. UN proper shipping name:** Not a hazardous material with respect to these transportation regulations.  
**14.3. Transport hazard class(es):** Not a hazardous material with respect to these transportation regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not a hazardous material with respect to these transportation regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): 0%

2004/42/EC (VOC): 0%

**Additional information**

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

**National regulatory information**



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**MAFOR BRILLANT**

Revision date: 07.06.2018

Product code: 70070\_CLP

Page 9 of 9

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - clearly water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Revised sections: 1, 7, 11, 16

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road )

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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