



# Buzil® Metasoft G 507

Ready-to-use stainless-steel cleaner



## Area of application

- For use in the food sector
- Acid-resistant surfaces
- Stainless steel, ceramic hobs
- Ceramic tiles and porcelain surfaces

## Product properties

- Removes tarnish from stainless steel surfaces and appliances
- Creates a beading effect
- Removes even stubborn dirt encrustations
- Excellent lime dissolving power even with heavy dirt
- Halal certified according to HALAL CONTROL

## Application and dosage

- Apply undiluted to a damp cleaning or sponge cloth, clean the surface and rinse with cold water.
- Consumption: 2 - 4 ml / per m<sup>2</sup>



undiluted

## Note

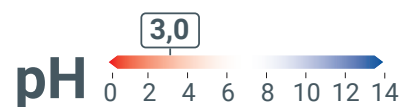
- Do not use on acid-sensitive materials, aluminum, painted surfaces, acrylic glass (PMMA) and lime-bound natural stones such as marble or travertine.
- Surfaces or objects that come into direct contact with food must be cleaned of cleaning residues by careful rinsing with water.
- Changes or variations in colour of the product do not impact on the quality. The product image may differ in colour and shape from the original.
- **Safety:** Hazard statements and safety precautions can be found in the relevant safety data sheet, which is available at [www.buzil.com](http://www.buzil.com).
- **Storage:** Always keep containers closed. Store at room temperature in the original container. Consume opened containers within 9 months.
- **Environmental:** Feed residual emptied containers to the dual system. For detailed information see environmental information.

## Further information

- **Product colour:** white-grey
- **Ingredients according to the EU Detergents Regulation (Det-VO\*):** AQUA, QUARTZ, SODIUM CITRATE, SODIUM C14-17 ALKYL SEC SULFONATE, TRIDECETH-3, SULFAMIC ACID, PARFUM, DIMETHICONE, LIMONENE, HEXYL CINNAMAL, BENZYL SALICYLATE, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE
- **GISBAU code:** GS 35
- **UFI code:** 4250-10J0-S00F-VVG6

## Sales units

- G507-0600RA: 12 x 600 ml bottle
- G507-0200DE: 1 x 200 l Drum



\* A database of correspondences between INCI names, European Pharmacopoeia names and CAS numbers is provided on the European Commission Pharmacos website: <https://ec.europa.eu/growth/tools-databases/cosing/>  
Remark: Some products may not be available in all territories. Please talk to your customer service representative.  
The data in our product information sheets are based on our experience and careful investigations, and correspond to our present state of knowledge. We are, however, not able to examine and influence in detail the varying conditions for usage and materials, and those at premises where products are to be used. For this reason, we can only provide general information on usage. The quality of the work depends on expert assessment of the premises where products are to be used and how they are in fact employed by the user. In the case of doubt, the latter is obliged at all times to test the compatibility of the material to be treated with the Buzil product on an inconspicuous area or to obtain relevant advice on application technology. Liability for incomplete or incorrect data in our product information sheets shall only be assumed in cases of negligence caused by gross negligence or intent; any claims arising from the Product Liability Act shall remain unaffected. All previous product information shall lose its validity through the above listed product information.



# Safety Data Sheet



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CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts			5 - < 10 %
	307-055-2		01-2119489924-20	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H302 H315 H318 H412			
69011-36-5	Isotridecanol, ethoxylated			1 - < 5 %
	931-138-8			
	Eye Irrit. 2, Aquatic Chronic 3; H319 H412			
5329-14-6	Sulfamic acid			1 - < 5 %
	226-218-8	016-026-00-0	01-2119488633-28	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412			
55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)			< 0,0015 %
	611-341-5	613-167-00-5		
	Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071			

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

## Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
97489-15-1	307-055-2	Sulfonic acids, C14-17-sec-alkane, sodium salts	5 - < 10 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 500 - 2000 mg/kg Skin Irrit. 2; H315: >= 10 - 100 Eye Dam. 1; H318: >= 15 - 100 Eye Irrit. 2; H319: >= 10 - < 15		
69011-36-5	931-138-8	Isotridecanol, ethoxylated	1 - < 5 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg		
5329-14-6	226-218-8	Sulfamic acid	1 - < 5 %
	oral: LD50 = 3160 mg/kg		
55965-84-9	611-341-5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	< 0,0015 %
	inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 50 mg/kg; oral: ATE = 100 mg/kg Skin Corr. 1C; H314: >= 0,6 - 100 Skin Irrit. 2; H315: >= 0,06 - < 0,6 Eye Dam. 1; H318: >= 0,6 - 100 Eye Irrit. 2; H319: >= 0,06 - < 0,6 Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=100		

## Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % anionic surfactants, < 5 % non-ionic surfactants, perfumes (Hexyl cinnamal, Benzyl salicylate), preservation agents (Methylchloroisothiazolinone/methylisothiazolinone).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, saturated clothing immediately.

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.  
Take off contaminated clothing and wash it before reuse.

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## **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

## **After ingestion**

Rinse mouth immediately and drink plenty of water.

Do NOT induce vomiting.

## **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**

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Water spray jet  
alcohol resistant foam  
Carbon dioxide  
Extinguishing powder

#### **Unsuitable extinguishing media**

Full water jet

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

Hazardous combustion products:

Carbon dioxide  
Carbon monoxide

### **5.3. Advice for firefighters**

Co-ordinate fire-fighting measures to the fire surroundings.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## **SECTION 6: Accidental release measures**

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

#### **General advice**

Use personal protection equipment.  
Avoid contact with skin, eyes and clothes.

#### **For non-emergency personnel**

Ventilate affected area.

#### **For emergency responders**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### **6.2. Environmental precautions**

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

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

#### **For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

#### **For cleaning up**

Treat the recovered material as prescribed in the section on waste disposal.

#### **Other information**

Collect in closed and suitable containers for disposal.  
Ventilate affected area.

### **6.4. Reference to other sections**

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Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes and clothes.

Do not mix with other chemicals.

Use personal protection equipment.

When using do not eat or drink.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### Advice on general occupational hygiene

Take off contaminated clothing.

Wash hands before breaks and after work.

When using do not eat or drink.

#### Further information on handling

Keep out of reach of children.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No special measures are necessary.

#### Further information on storage conditions

No further relevant information available.

### 7.3. Specific end use(s)

Cleaning agent

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

No information available.

### 8.2. Exposure controls



#### Appropriate engineering controls

No information available.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye protection/face protection. (EN 166)

##### Hand protection

Wear suitable gloves. (EN 374, Category III)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Suitable material: NBR (Nitrile rubber) / Thickness of the glove material > 0,1 mm

Protective gloves may be waived, if equivalent measures allowing for an increased skin stress because of wet work are implemented (e. g. application of suitable skin protecting creams).

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## Skin protection

Wear suitable work clothing.

## Respiratory protection

Usually no personal respirative protection necessary.

## Thermal hazards

No further relevant information available.

## Environmental exposure controls

Section 6: Accidental Release Measures

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	white - grey
Odour:	Perfumes, fragrances
Melting point/freezing point:	approx. 0
Boiling point or initial boiling point and boiling range:	approx. 100 °C
Flammability:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	not applicable
Auto-ignition temperature:	not determined
Decomposition temperature:	not applicable
pH-Value (at 20 °C):	2,8 - 3,4
Viscosity / kinematic (at 40 °C):	not determined
Water solubility (at 20 °C):	partially soluble
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not applicable
Vapour pressure:	not determined
Density (at 20 °C):	1,18 g/cm <sup>3</sup>
Relative density:	not determined
Relative vapour density:	not determined
Particle characteristics:	not relevant

### Test method

### 9.2. Other information

#### Other safety characteristics

Viscosity / dynamic (at 25 °C): < 1000 mPa·s (50 1/s)

#### Further Information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

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## 10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

## 10.5. Incompatible materials

No information available.

## 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

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

#### Acute toxicity

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

#### ATEmix calculated

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts				
	oral	LD50 > 500 - 2000 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Mouse		
69011-36-5	Isotridecanol, ethoxylated				
	oral	LD50 > 5000 mg/kg	Rat		OECD 401
	dermal	LD50 > 5000 mg/kg	Rabbit		
5329-14-6	Sulfamic acid				
	oral	LD50 3160 mg/kg	Rat		
55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)				
	oral	ATE 100 mg/kg			
	dermal	ATE 50 mg/kg			
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			

#### Irritation and corrosivity

Serious eye damage/eye irritation: 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.

Contains Methylchloroisothiazolinone and 2-Methylisothiazol-3(2H)-one. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: 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.

#### Aspiration hazard

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

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## 11.2. Information on other hazards

### Other information

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts					
	Acute fish toxicity	LC50 1-10 mg/l	96 h	Danio rerio (zebrafish)		OECD 203
	Acute algae toxicity	ErC50 > 61 mg/l	72 h	Desmodesmus subspicatus		OECD 201
	Acute crustacea toxicity	EC50 9,81 mg/l	48 h	Daphnia magna (Big water flea)		OECD 202
	Fish toxicity	NOEC 0,85 mg/l	28 d	Oncorhynchus mykiss (Rainbow trout)		OECD 204
	Crustacea toxicity	NOEC 0,36 mg/l	22 d	Daphnia magna (Big water flea)		OECD 202
69011-36-5	Isotridecanol, ethoxylated					
	Acute fish toxicity	LC50 > 1 - 10 mg/l	96 h	Cyprinus carpio (Common Carp)		OECD 203
	Acute algae toxicity	ErC50 > 1 - 10 mg/l	72 h	Desmodesmus subspicatus		OECD 201
	Acute crustacea toxicity	EC50 > 1 - 10 mg/l	48 h	Daphnia magna (Big water flea)		OECD 202
	Crustacea toxicity	NOEC > 1 - 10 mg/l	21 d	Daphnia magna (Big water flea)		
5329-14-6	Sulfamic acid					
	Acute fish toxicity	LC50 70,3 mg/l	96 h	Pimephales promelas		

### 12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts				
	OECD 301 B	> 60 %	28		
	Readily biodegradable (according to OECD criteria).				
69011-36-5	Isotridecanol, ethoxylated				
	OECD 301 B	> 60 %	28		
	Readily biodegradable (according to OECD criteria).				

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

The product has not been tested.

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## **12.5. 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**

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

## **12.7. Other adverse effects**

No information available.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal recommendations**

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

#### **List of Wastes Code - residues/unused products**

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

#### **List of Wastes Code - 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.

## **SECTION 14: Transport information**

### **Land transport (ADR/RID)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

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

### **Inland waterways transport (ADN)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

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

### **Marine transport (IMDG)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

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

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

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

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

### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

### **14.6. Special precautions for user**

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No special measures are necessary.

## **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**

#### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions: < 0,2 %

#### **Additional information**

Regulation (EC) No. 648/2004 [Detergents regulation]

#### **National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

### **15.2. Chemical safety assessment**

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

## **SECTION 16: Other information**

#### **Changes**

This data sheet contains changes from the previous version in section(s): 2,7,15,16.

#### **Abbreviations and acronyms**

Acute Tox. 2: Acute toxicity, hazard category 2

Skin Corr. 1C: Skin corrosion, sub-category 1C

Skin Irrit. 2: Skin irritation, hazard category 2

Eye Dam. 1: Serious eye damage, hazard category 1

Eye Irrit. 2: Eye irritation, hazard category 2

Skin Sens. 1A: Skin sensitisation, hazard category 1A

Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1

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%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 3: Use in closed batch process (synthesis or formulation)

PROC 7: Industrial spraying

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 13: Treatment of articles by dipping and pouring

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PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection

## Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains Methylchloroisothiazolinone and 2-Methylisothiazol-3(2H)-one. May produce an allergic reaction.

### 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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*