

Cleaner tab P-free

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations
Issue date: 16/09/2025 Revision date: 16/09/2025 Version: 1.00



SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Trade name : Cleaner tab P-free
Article number : 56.02.320, 56.02.320U

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Cleaner tab for all RATIONAL SelfCookingCenter® and CombiMaster® Plus models with automatic cleaning for professional users.
Restrictions on use : All other uses not recommended above

1.4. Details of manufacturer or importer

Manufacturer/Supplier

RATIONAL AG
Siegfried-Meister-Straße 1
86899 Landsberg am Lech Germany
T +49 8191 327 387 - F +49 8191 327 231
reinigung@rational-online.com - www.rational-online.com

Importer

Comcater Pty Ltd
191 Salmon Street Port Melbourne
Victoria 3207
Australia
T +61 (0) 3 8369 4600 - F +61 (0) 3 8369 4666
www.comcater.com.au

Email competent person

sds@kft.de

1.5. Emergency phone number

Emergency number : +49 (0)6132 84463 - GBK GmbH (24h 7d/w - 365d/a)

Country/Area	Organisation/Company	Address	Emergency number	Comment
Australia	Poisons Information Centre		13 11 26	

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Corrosive to metals, Category 1	H290
Skin corrosion/irritation, Category 1A	H314
Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Corrosion

Exclamation mark

Signal word (GHS AU) :

Danger

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Contains	: sodium hydroxide ($\geq 25 - < 50 \%$); disodium metasilicate ($\geq 10 - < 20 \%$); sodium carbonate ($\geq 10 - < 20 \%$); Fatty alcohol alkoxyate ($\geq 1 - < 2.5 \%$)
Hazard statements (GHS AU)	: H290 - May be corrosive to metals H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation
Precautionary statements (GHS AU)	: P280 - Wear protective gloves, eye protection. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER, a doctor. P501 - Dispose of contents to a hazardous or special waste collection point.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
sodium hydroxide	1310-73-2	$\geq 25 - < 50$	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335
disodium metasilicate	6834-92-0	$\geq 10 - < 20$	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
sodium carbonate	497-19-8	$\geq 10 - < 20$	Eye Dam. 1, H318 STOT SE 3, H335
Fatty alcohol alkoxyate	68154-99-4	$\geq 1 - < 2.5$	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Dam. 1, H318
Other substances (not contributing to the classification of this product)	-	7.5 – 54	-

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

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4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Hazchem Code : 2X

Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust.

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

Avoid sub-soil penetration. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible materials : Metals.

Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

Special rules on packaging : Store in original container or corrosive resistant and/or lined container.

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SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : In case of contact with the skin : Chemically resistant protective gloves. ISO 374-1. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber	6 (> 480 minutes)	0,35	No additional information available	EN ISO 374-1

Eye protection : Not required for normal conditions of use. In case of dust production: protective goggles. ISO 16321-1. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

Skin and body protection : Not required for normal conditions of use

Respiratory protection : Not required for normal conditions of use. Dust production: dust mask with filter type P2. EN 143. . Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

Environmental exposure controls : Avoid release to the environment.

Other information : Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

Physical state : Solid
Appearance : tablet.
Colour : white
Odour : characteristic
Odour threshold : No data available
pH : 12.7
pH solution concentration : 1 % (Aqueous solution)
Relative evaporation rate (butylacetate=1) : Not applicable
Melting point / Freezing point : Freezing point: Not applicable
Boiling point : No data available
Flash point : Not applicable
Auto-ignition temperature : No data available
Flammability : No data available
Vapour pressure : Vapour pressure: Not applicable
Relative density : Relative vapour density at 20°C: Not applicable
Density : No data available
Solubility : Soluble in water.
Water: (completely soluble)
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : Not applicable
Viscosity, dynamic : Not applicable
Explosive properties : Product is not explosive.

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Oxidising properties	: Non oxidizing
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: < 3 %
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: Stable under normal conditions of use.
Chemical stability	: Stable under normal conditions of use.
Possibility of hazardous reactions	: None under normal use.
Conditions to avoid	: Protect from moisture. Keep out of frost. Protect from heat and direct sunlight.
Incompatible materials	: Acids. Metals. Oxidizing agent.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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)

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ATE AU (dermal)	> 2000 mg/kg bodyweight
Fatty alcohol alkoxylate (68154-99-4)	
LD50 dermal rabbit	2000 mg/kg bodyweight (Read-across)
Skin corrosion/irritation	: Causes severe skin burns. pH: 12.7
Serious eye damage/irritation	: Causes serious eye damage. pH: 12.7
Respiratory or skin sensitization	: 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)
sodium hydroxide (1310-73-2)	
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
disodium metasilicate (6834-92-0)	
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
sodium carbonate (497-19-8)	
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
Fatty alcohol alkoxylate (68154-99-4)	
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: May cause respiratory irritation.
sodium hydroxide (1310-73-2)	
STOT-single exposure	May cause respiratory irritation.
disodium metasilicate (6834-92-0)	
STOT-single exposure	May cause respiratory irritation.

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sodium carbonate (497-19-8)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Not relevant)
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Viscosity, kinematic	Not applicable

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
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)

sodium hydroxide (1310-73-2)	
LC50 - Fish [1]	35 – 189 mg/l
EC50 - Crustacea [1]	40.4 mg/l (48 h; Ceriodaphnia sp.)
disodium metasilicate (6834-92-0)	
LC50 - Fish [1]	210 mg/l (96 h; Brachydanio rerio; (OECD 203 method))
EC50 - Crustacea [1]	1700 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 algae	207 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))
sodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l (96 h; Lepomis macrochirus (Bluegill))
EC50 - Crustacea [1]	200 – 227 mg/l (48 h; Ceriodaphnia sp.)
Fatty alcohol alkoxylate (68154-99-4)	
LC50 - Fish [1]	1 – 10 mg/l
EC50 - Crustacea [1]	6.3 mg/l (48 h, Daphnia magna (Water flea), static)

12.2. Persistence and degradability

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Persistence and degradability	Readily biodegradable. (OECD 301B method). Contained surfactants are biodegradable.
sodium hydroxide (1310-73-2)	
Persistence and degradability	Not applicable for inorganic substances.
disodium metasilicate (6834-92-0)	
Persistence and degradability	Not applicable for inorganic substances.
sodium carbonate (497-19-8)	
Persistence and degradability	Not applicable for inorganic substances.
Fatty alcohol alkoxylate (68154-99-4)	
Persistence and degradability	Readily biodegradable.

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Biodegradation	> 60 % (28 d, (OECD 301F method))
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12.3. Bioaccumulative potential

sodium hydroxide (1310-73-2)	
Bioaccumulative potential	Not applicable for inorganic substances.
disodium metasilicate (6834-92-0)	
Bioaccumulative potential	Bioaccumulation unlikely.
sodium carbonate (497-19-8)	
Bioaccumulative potential	Not applicable for inorganic substances.
Fatty alcohol alkoxylate (68154-99-4)	
BCF - Fish [1]	90 estimated
Partition coefficient n-octanol/water (Log Pow)	3.48 calculated

12.4. Mobility in soil

sodium hydroxide (1310-73-2)	
Ecology - soil	Expected to be highly mobile in soil.
disodium metasilicate (6834-92-0)	
Ecology - soil	Expected to be highly mobile in soil.
sodium carbonate (497-19-8)	
Ecology - soil	Expected to be highly mobile in soil.
Fatty alcohol alkoxylate (68154-99-4)	
Partition coefficient n-octanol/water (Log Pow)	3.48 calculated
Additional information	No additional information available

12.5. Other adverse effects

Ozone	: Not classified (Based on available data, the classification criteria are not met)
Fluorinated greenhouse gases	: False
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

Waste treatment methods	: Disposal must be done according to official regulations. Do not dispose of with domestic waste. Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
3262	3262	3262

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14.2. UN Proper Shipping Name		
CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide ; disodium metasilicate)	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide ; disodium metasilicate)	Corrosive solid, basic, inorganic, n.o.s. (sodium hydroxide ; disodium metasilicate)
Transport document description		
Not applicable	UN 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide ; disodium metasilicate), 8, II	UN 3262 Corrosive solid, basic, inorganic, n.o.s. (sodium hydroxide ; disodium metasilicate), 8, II
14.3. Transport hazard class(es)		
8	8	8
		
14.4. Packing group		
II - Substances presenting medium danger	II	II
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 3262
Special provision (ADG) : 274
Limited quantities (ADG) : 1kg
Excepted quantities (ADG) : E2
Packing instructions (ADG) : P002, IBC08
Special packing provisions (ADG) : B2, B4
Portable tank and bulk container instructions (ADG) : T3
Portable tank and bulk container special provisions (ADG) : TP33

Transport by sea

UN-No. (IMDG) : 3262
Special provisions (IMDG) : 274
Limited quantities (IMDG) : 1 kg
Excepted quantities (IMDG) : E2
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Segregation (IMDG) : SGG18, SG35

Air transport

UN-No. (IATA) : 3262
PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y844
PCA limited quantity max net quantity (IATA) : 5kg
PCA packing instructions (IATA) : 859
PCA max net quantity (IATA) : 15kg

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CAO max net quantity (IATA) : 50kg
Special provisions (IATA) : A3, A803

14.8. Hazchem or Emergency Action Code

Hazchem Code : 2X

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status : Contains substance(s) listed on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Not specifically applicable

Australian Pesticides and Veterinary Medicines Authority (APVMA)

Agricultural and veterinary chemicals act : Not applicable.

15.2. International agreements

No additional information available

SECTION 16: Other information

Data sources : European Chemicals Agency, <http://echa.europa.eu/>. Supplier Safety Data Sheet.
NATIONAL INDUSTRIAL CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME (AUSTRALIA).

Department issuing data specification sheet: : KFT Chemieservice GmbH
Im Leuschnerpark 3
D-64347 Griesheim

Phone: +49 69 305 34 700
Fax: +49 69 305 86 500
SDS Service: +49 69 305 34 740

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Abbreviations and acronyms

: 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
ATE - Acute Toxicity Estimate
BCF - Bioconcentration factor
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL - Derived Minimal Effect level
DNEL - Derived-No Effect Level
EC50 - Median effective concentration
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Median lethal concentration
LD50 - Median lethal dose
LOAEL - Lowest Observed Adverse Effect Level
NOAEC - No-Observed Adverse Effect Concentration
NOAEL - No-Observed Adverse Effect Level
NOEC - No-Observed Effect Concentration
OECD - Organisation for Economic Co-operation and Development
PBT - Persistent Bioaccumulative Toxic
PNEC - Predicted No-Effect Concentration
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS - Safety Data Sheet
STP - Sewage treatment plant
TLM - Median Tolerance Limit
vPvB - Very Persistent and Very Bioaccumulative

Revision date

: 16/09/2025

Classification	
Met. Corr. 1	H290
Skin Corr. 1A	H314
Eye Dam. 1	H318
STOT SE 3	H335

Full text of H-statements	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation

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KFT SDS AU 11 - Version 25.1

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 not therefore be construed as guaranteeing any specific property of the product.