

Cleaner tab P-free

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.
Issue date: 25/02/2026 Revision date: 25/02/2026 Supersedes: 15/10/2025 Version: 2.00



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

1.1. Product identifier

Product form : Mixture
Trade name : Cleaner tab P-free
Article number : 56.02.315, 56.02.315E, 56.02.315U
Type of product : Detergent

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : RATIONAL P-free cleaner tab for all SelfCookingCenter with Efficient CareControl and CombiMaster Plus units for commercial use.

1.2.2. Uses advised against

Restrictions on use : All other uses not recommended above

1.3. Details of the supplier of the safety data sheet

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

RATIONAL UK Ltd.
Titan Court, Unit 4
Laporte Way, Portenway Business Parks
LU 4 8EF Luton, Bedfordshire
United Kingdom
T +44 1582 48 03 88

Email competent person

sds@kft.de

1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incidents
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Health Service (NHS) England / Scotland / Wales / Northern Ireland	-	England / Scotland: 111 Wales: 111 or 0845 46 47 Northern Ireland: call your local General Practitioner. For life-threatening emergencies: call 999 for an ambulance.	24 h medical helpline for general public

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Corrosive to metals, Category 1 H290
Skin corrosion/irritation, Category 1, Sub-Category 1A H314
Serious eye damage/eye irritation, Category 1 H318
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage.

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2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP)



GHS05

Signal word (GB CLP)

: Danger

Contains

: sodium hydroxide; disodium metasilicate; Fatty alcohol alkoxylate

Hazard statements (GB CLP)

: H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

Precautionary statements (GB CLP)

: 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

Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	sodium hydroxide (1310-73-2), disodium metasilicate (6834-92-0), sodium carbonate (497-19-8), Fatty alcohol alkoxylate (68154-99-4), Silicon dioxide (112945-52-5)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	sodium hydroxide (1310-73-2), disodium metasilicate (6834-92-0), sodium carbonate (497-19-8), Fatty alcohol alkoxylate (68154-99-4), Silicon dioxide (112945-52-5)

Results of Endocrine Disruptor assessment

Component	
Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	sodium hydroxide(1310-73-2), disodium metasilicate(6834-92-0), sodium carbonate(497-19-8), Fatty alcohol alkoxylate(68154-99-4), Silicon dioxide(112945-52-5)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
sodium hydroxide substance with workplace exposure limit(s)	CAS-No.: 1310-73-2 EC-No.: 215-185-5 UK Index-No.: 011-002-00-6	≥ 25 – < 50	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318

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disodium metasilicate	CAS-No.: 6834-92-0 EC-No.: 229-912-9 UK Index-No.: 014-010-00-8	$\geq 10 - < 20$	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
sodium carbonate	CAS-No.: 497-19-8 EC-No.: 207-838-8 UK Index-No.: 011-005-00-2	$\geq 10 - < 20$	Eye Irrit. 2, H319
Fatty alcohol alkoxylate	CAS-No.: 68154-99-4	$\geq 1 - < 2.5$	Acute Tox. 4 (Dermal), H312 (ATE=2000 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318
Silicon dioxide substance with workplace exposure limit(s)	CAS-No.: 112945-52-5 EC-No.: 231-545-4	$\geq 1 - < 2.5$	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
sodium hydroxide	CAS-No.: 1310-73-2 EC-No.: 215-185-5 UK Index-No.: 011-002-00-6	($0.5 \leq C < 2$) Skin Irrit. 2; H315 ($0.5 \leq C < 2$) Eye Irrit. 2; H319 ($2 \leq C < 5$) Skin Corr. 1B; H314 ($5 \leq C \leq 100$) Skin Corr. 1A; H314

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	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
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.
Self protection of the first-aiders	: First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

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

Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

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	: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

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

- | | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| 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 material for containment and cleaning up

- | | |
|-------------------------|---|
| Methods for cleaning up | : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. |
| Other information | : Disposal must be done according to official regulations. |

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

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. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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sodium hydroxide (1310-73-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Sodium hydroxide
WEL STEL (OEL STEL)	2 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Silicon dioxide (112945-52-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Silica, amorphous
WEL TWA (OEL TWA)	6 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

sodium hydroxide (1310-73-2)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	1 mg/m ³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m ³
disodium metasilicate (6834-92-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1.49 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6.22 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.74 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.55 mg/m ³
Long-term - systemic effects, dermal	0.74 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	7.5 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	7.5 mg/l
PNEC (STP)	
PNEC sewage treatment plant	1000 mg/l
sodium carbonate (497-19-8)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	10 mg/m ³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	5 mg/m ³

8.1.5. Control banding

No additional information available

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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:

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

8.2.2.2. Skin protection

Skin and body protection:

Not required for normal conditions of use

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

Hand protection					
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

8.2.2.3. Respiratory protection

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

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: tablet.
Colour	: white.
Odour	: characteristic.
Odour threshold	: Not available
pH	: 12.7
pH solution concentration	: 1 % (Aqueous solution)
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: Not available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not applicable
Explosive limits	: Not applicable

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Vapour pressure	: Not applicable
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not applicable
Relative density	: Not available
Density	: Not available
Solubility	: Soluble in water. Water: (completely soluble)
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive,Dust may form explosive mixture in air
Oxidising properties	: Non oxidizing.

9.2. Other information

VOC content	: < 3 %
Bulk density	: 950 – 1150 kg/m ³

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Protect from moisture. Keep out of frost. Protect from heat and direct sunlight.

10.5. Incompatible materials

Acids. Metals. Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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 UK (Dermal)	> 2000 mg/kg bodyweight
Fatty alcohol alkoxylate	
LD50 dermal rabbit	2000 mg/kg bodyweight (Read-across)
Skin corrosion/irritation	: Causes severe skin burns. pH: 12.7

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Serious eye damage/irritation	: Causes serious eye damage. pH: 12.7
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)

disodium metasilicate	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

disodium metasilicate	
NOAEL (oral, rat, 90 days)	227 – 237 mg/kg bodyweight/day (OECD 408 method)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Cleaner tab P-free	
Viscosity, kinematic	Not applicable

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

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)

12.2. Persistence and degradability

Cleaner tab P-free	
Persistence and degradability	Readily biodegradable. (OECD 301B method). 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.

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

Silicon dioxide (112945-52-5)	
Persistence and degradability	Not applicable for inorganic substances.

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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
Silicon dioxide (112945-52-5)	
Bioaccumulative potential	Not relevant.

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)	
Additional information	No additional information available

12.5. Results of PBT and vPvB assessment

Component	
sodium hydroxide (1310-73-2)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
disodium metasilicate (6834-92-0)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
sodium carbonate (497-19-8)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
Fatty alcohol alkoxylate (68154-99-4)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
Silicon dioxide (112945-52-5)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

Silicon dioxide (112945-52-5)	
Other information	Do not allow uncontrolled discharge of product into the environment

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Disposal must be done according to official regulations. European waste catalogue. Do not discharge into drains or the environment. Do not dispose of with domestic waste.
Product/Packaging disposal recommendations	: Recycle or dispose of in compliance with current legislation.
European List of Waste (LoW, EC 2000/532)	: 20 01 29* - detergents containing dangerous substances
HP Code	: HP8 - "Corrosive:" waste which on application can cause skin corrosion.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3262	UN 3262	UN 3262	UN 3262	UN 3262
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)	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				
UN 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (sodium hydroxide ; disodium metasilicate), 8, II, (E)	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	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	8	8
				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: C6
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 1kg
Excepted quantities (ADR)	: E2
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 80

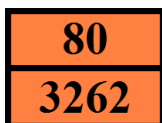
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Orange plates

:



Tunnel restriction code (ADR)

: E

EAC code

: 2X

Transport by sea

Special provisions (IMDG)

: 274

Limited quantities (IMDG)

: 1 kg

Excepted quantities (IMDG)

: E2

EmS-No. (Fire)

: F-A

EmS-No. (Spillage)

: S-B

Segregation (IMDG)

: SGG18, SG35

Air transport

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

CAO max net quantity (IATA)

: 50kg

Special provisions (IATA)

: A3, A803

Inland waterway transport

Classification code (ADN)

: C6

Special provisions (ADN)

: 274

Limited quantities (ADN)

: 1 kg

Excepted quantities (ADN)

: E2

Rail transport

Classification code (RID)

: C6

Special provisions (RID)

: 274

Limited quantities (RID)

: 1kg

Excepted quantities (RID)

: E2

Transport category (RID)

: 2

Hazard identification number (RID)

: 80

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. National regulations

UK REACH Annex XVII (Restriction List)

UK restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	Fatty alcohol alkoxylate	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

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UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

Detergent Regulation (EC 648/2004)

Labelling of contents	
Component	%
non-ionic surfactants, polycarboxylates	<5%

GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure: Sodium hydroxide - 1310-73-2 (12 % of total caustic alkalinity)

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

VOC content : < 3 %

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes (UK)		
Section	Changed item	Comments
1.2	Use of the substance/mixture	Modified
1.4	Emergency number	Modified

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
CAS-No.	Chemical Abstracts Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level

Cleaner tab P-free

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

EC50	Median effective concentration
EC-No.	European Community number
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
OEL	Occupational Exposure Limit
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

Data sources : European Chemicals Agency, <http://echa.europa.eu/>. Supplier Safety Data Sheet.

Department issuing data specification sheet: : KFT Chemieservice GmbH
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Other information : This safety data sheet is for informational purposes only and does not comply with national legal requirements without reference to a national distributor. The national distributor is responsible for a legally compliant safety data sheet.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-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.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Met. Corr. 1	H290	Calculation method
Skin Corr. 1A	H314	Expert judgement
Eye Dam. 1	H318	On basis of test data

KFT SDS UK 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.