

# Cleaner tab P-free

## Safety Data Sheet



according to SOR/2015-17, Hazardous Products Regulations (HPR), as amended by SOR/2022-272  
Issue date: 03-13-2026 Revision date: 03-13-2026 Supersedes: 09-11-2025 Version: 2.00

### SECTION 1 Identification

#### 1.1. GHS Product identifier

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

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : RATIONAL P-free cleaner tab for all SelfCookingCenter with Efficient CareControl and CombiMaster Plus units for commercial use.  
Restrictions on use : All other uses not recommended above

#### 1.4. Supplier's details

**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](mailto:reinigung@rational-online.com) - [www.rational-online.com](http://www.rational-online.com)

**Email competent person**  
[sds@kft.de](mailto:sds@kft.de)

**Importer**  
RATIONAL Canada Inc.  
6950 Creditview Rd., Unit 1  
Mississauga, Ont., L5N 0A6  
Canada  
T +1 877 728 4662

#### 1.5. Emergency phone 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)

### SECTION 2 Hazard identification

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

##### Classification (GHS CA)

|                                               |      |                                          |
|-----------------------------------------------|------|------------------------------------------|
| Corrosive to metals, Category 1               | H290 | May be corrosive to metals.              |
| Skin corrosion/irritation, Category 1A        | H314 | Causes severe skin burns and eye damage. |
| Serious eye damage/eye irritation, Category 1 | H318 | Causes serious eye damage.               |

Full text of H statements : see section 16

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### 2.2. GHS label elements, including precautionary statements

#### GHS CA labeling

Hazard pictograms (GHS CA)



Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H290 - May be corrosive to metals  
H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS CA) : 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 and container 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/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                     | Chemical name / Synonyms | Product identifier  | %           | Classification (GHS CA)                                                          |
|--------------------------|--------------------------|---------------------|-------------|----------------------------------------------------------------------------------|
| sodium hydroxide         | sodium hydroxide         | CAS-No.: 1310-73-2  | ≥ 30 – < 60 | Met. Corr. 1, H290<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318                    |
| disodium metasilicate    | disodium metasilicate    | CAS-No.: 6834-92-0  | ≥ 10 – < 30 | Met. Corr. 1, H290<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>STOT SE 3, H335 |
| sodium carbonate         | sodium carbonate         | CAS-No.: 497-19-8   | ≥ 10 – < 30 | Eye Irrit. 2A, H319                                                              |
| Fatty alcohol alkoxylate | Fatty alcohol alkoxylate | CAS-No.: 68154-99-4 | ≥ 1 – < 5   | Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318           |

Full text of hazard classes and H-statements : see section 16

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### SECTION 4 First-aid measures

#### 4.1. Description of necessary first-aid measures

|                                       |                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. Remove/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.                                                                                 |
| First-aid measures general            | : Call a physician immediately.                                                                                                                      |

#### 4.2. Most important symptoms/effects, 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 immediate medical attention and special treatment needed, if necessary

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

### SECTION 5 Fire-fighting measures

#### 5.1. Suitable 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 actions for fire-fighters

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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

#### 6.2. Methods and materials for containment and cleaning up

|                                                                                                                                                           |                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Methods for cleaning up                                                                                                                                   | : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. |
| Other information                                                                                                                                         | : Disposal must be done according to official regulations.                                   |
| Information for safe handling, See section 7, Concerning personal protective equipment to use, see section 8, For further information refer to section 13 |                                                                                              |

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### 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. |

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

|                                                                          |                                                                                                                                         |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>sodium hydroxide (1310-73-2)</b>                                      |                                                                                                                                         |
| <b>Canada (Alberta) - Occupational Exposure Limits</b>                   |                                                                                                                                         |
| Local name                                                               | Sodium hydroxide                                                                                                                        |
| OEL C                                                                    | 2 mg/m <sup>3</sup>                                                                                                                     |
| Notations and remarks                                                    | Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required. |
| Regulatory reference                                                     | Alberta Regulation 191/2021                                                                                                             |
| <b>Canada (Quebec) - Occupational Exposure Limits</b>                    |                                                                                                                                         |
| Local name                                                               | Sodium hydroxide                                                                                                                        |
| Plafond (OEL C)                                                          | 2 mg/m <sup>3</sup>                                                                                                                     |
| Notations and remarks                                                    | RP                                                                                                                                      |
| Regulatory reference                                                     | S-2.1, r. 13 - Regulation respecting occupational health and safety                                                                     |
| <b>Canada (British Columbia) - Occupational Exposure Limits</b>          |                                                                                                                                         |
| Local name                                                               | Sodium hydroxide                                                                                                                        |
| OEL C                                                                    | 2 mg/m <sup>3</sup>                                                                                                                     |
| Regulatory reference                                                     | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)                                                              |
| <b>Canada (Manitoba) - Occupational Exposure Limits</b>                  |                                                                                                                                         |
| Local name                                                               | Sodium hydroxide                                                                                                                        |
| OEL C                                                                    | 2 mg/m <sup>3</sup>                                                                                                                     |
| Notations and remarks                                                    | TLV® Basis: Eye, Skin & URT irr                                                                                                         |
| Regulatory reference                                                     | ACGIH 2025                                                                                                                              |
| <b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b> |                                                                                                                                         |
| Local name                                                               | Sodium hydroxide                                                                                                                        |

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|                                                                      |                                                                                                                                       |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| OEL C                                                                | 2 mg/m <sup>3</sup>                                                                                                                   |
| Notations and remarks                                                | TLV® Basis: Eye, Skin & URT irr                                                                                                       |
| Regulatory reference                                                 | ACGIH 2025                                                                                                                            |
| <b>Canada (Nova Scotia) - Occupational Exposure Limits</b>           |                                                                                                                                       |
| Local name                                                           | Sodium hydroxide                                                                                                                      |
| OEL C                                                                | 2 mg/m <sup>3</sup>                                                                                                                   |
| Notations and remarks                                                | TLV® Basis: Eye, Skin & URT irr                                                                                                       |
| Regulatory reference                                                 | ACGIH 2025                                                                                                                            |
| <b>Canada (Nunavut) - Occupational Exposure Limits</b>               |                                                                                                                                       |
| Local name                                                           | Sodium hydroxide                                                                                                                      |
| OEL C                                                                | 2 mg/m <sup>3</sup>                                                                                                                   |
| Regulatory reference                                                 | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)                                                    |
| <b>Canada (Northwest Territories) - Occupational Exposure Limits</b> |                                                                                                                                       |
| Local name                                                           | Sodium hydroxide                                                                                                                      |
| OEL C                                                                | 2 mg/m <sup>3</sup>                                                                                                                   |
| Regulatory reference                                                 | Occupation Health and Safety Regulations R-039-2015 (R-090-2024)                                                                      |
| <b>Canada (Ontario) - Occupational Exposure Limits</b>               |                                                                                                                                       |
| Local name                                                           | Sodium hydroxide                                                                                                                      |
| OEL C                                                                | 2 mg/m <sup>3</sup>                                                                                                                   |
| Regulatory reference                                                 | Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Control of exposure to biological or chemical agents |
| <b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>  |                                                                                                                                       |
| Local name                                                           | Sodium hydroxide                                                                                                                      |
| OEL C                                                                | 2 mg/m <sup>3</sup>                                                                                                                   |
| Notations and remarks                                                | TLV® Basis: Eye, Skin & URT irr                                                                                                       |
| Regulatory reference                                                 | ACGIH 2025                                                                                                                            |
| <b>Canada (Saskatchewan) - Occupational Exposure Limits</b>          |                                                                                                                                       |
| Local name                                                           | Sodium hydroxide                                                                                                                      |
| OEL C                                                                | 2 mg/m <sup>3</sup>                                                                                                                   |
| Regulatory reference                                                 | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10                                                           |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

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### 8.3. 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                         |
|----------------------------------------|----------------|-------------------|----------------|-------------------------------------|
| Chemically resistant protective gloves | Nitrile rubber | 6 (> 480 minutes) | 0,35           | No additional information available |

#### 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

#### 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. Basic physical and chemical properties

|                                                 |                                                    |
|-------------------------------------------------|----------------------------------------------------|
| Physical state                                  | : Solid                                            |
| Appearance                                      | : tablet.                                          |
| Color                                           | : white                                            |
| Odor                                            | : characteristic                                   |
| Odor threshold                                  | : No data available                                |
| pH                                              | : 12.7                                             |
| pH solution concentration                       | : 1 % (Aqueous solution)                           |
| Relative evaporation rate (butyl acetate=1)     | : Not applicable                                   |
| Relative evaporation rate (ether=1)             | : No data available                                |
| Melting point                                   | : No data available                                |
| Freezing point                                  | : Not applicable                                   |
| Boiling point                                   | : No data available                                |
| Flash point                                     | : Not applicable                                   |
| Auto-ignition temperature                       | : No data available                                |
| Decomposition temperature                       | : No data available                                |
| Flammability (solid, gas)                       | : No data available                                |
| Vapor pressure                                  | : Not applicable                                   |
| Relative vapor density at 20°C                  | : Not applicable                                   |
| Relative density                                | : No data available                                |
| Solubility                                      | : Soluble in water.<br>Water: (completely soluble) |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                |

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|                          |                             |
|--------------------------|-----------------------------|
| Viscosity, kinematic     | : Not applicable            |
| Viscosity, dynamic       | : Not applicable            |
| Explosive properties     | : Product is not explosive. |
| Oxidizing properties     | : Non oxidizing material.   |
| Explosion limits         | : No data available         |
| Particle characteristics | : No data available         |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

|              |                                |
|--------------|--------------------------------|
| VOC content  | : < 3 %                        |
| Bulk density | : 950 – 1150 kg/m <sup>3</sup> |

## 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. |
| Hardening time:                    | : No additional information available                                                                  |

## SECTION 11 Toxicological information

### 11.1. Likely routes of exposure

|                             |                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------|
| 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) |

|                                              |                                      |
|----------------------------------------------|--------------------------------------|
| <b>Cleaner tab P-free</b>                    |                                      |
| ATE CA (Dermal)                              | > 2000 mg/kg body weight             |
| <b>Fatty alcohol alkoxylate (68154-99-4)</b> |                                      |
| LD50 dermal rabbit                           | 2000 mg/kg body weight (Read-across) |

|                                   |                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------|
| Skin corrosion/irritation         | : Causes severe skin burns.<br>pH: 12.7                                             |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>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) |
| STOT-single exposure              | : Not classified (Based on available data, the classification criteria are not met) |

|                                          |                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------|
| <b>disodium metasilicate (6834-92-0)</b> |                                                                                     |
| 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 (Based on available data, the classification criteria are not met) |

|                                     |                |
|-------------------------------------|----------------|
| <b>Cleaner tab P-free</b>           |                |
| Viscosity, kinematic                | Not applicable |
| Symptoms/effects after skin contact | : Burns.       |

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

### 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). 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. |
|-------------------------------|------------------------|

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

#### 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. |
|----------------|---------------------------------------|

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|                                              |                                       |
|----------------------------------------------|---------------------------------------|
| <b>disodium metasilicate (6834-92-0)</b>     |                                       |
| Ecology - soil                               | Expected to be highly mobile in soil. |
| <b>sodium carbonate (497-19-8)</b>           |                                       |
| Ecology - soil                               | Expected to be highly mobile in soil. |
| <b>Fatty alcohol alkoxylate (68154-99-4)</b> |                                       |
| 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 | : No                                                                                |

## 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 TDG / DOT / IMDG / IATA

| TDG                                                                                  | DOT                                                                                  | IMDG                                                                                 | IATA                                                                                  |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>14.1. UN Number</b>                                                               |                                                                                      |                                                                                      |                                                                                       |
| UN3262                                                                               | UN3262                                                                               | UN 3262                                                                              | UN 3262                                                                               |
| <b>14.2. UN Proper Shipping Name</b>                                                 |                                                                                      |                                                                                      |                                                                                       |
| 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)  |
| <b>14.3. Transport hazard class(es)</b>                                              |                                                                                      |                                                                                      |                                                                                       |
| 8                                                                                    | 8                                                                                    | 8                                                                                    | 8                                                                                     |
|   |   |  |  |
| <b>14.4. Packing group, if applicable</b>                                            |                                                                                      |                                                                                      |                                                                                       |
| II                                                                                   | II                                                                                   | II                                                                                   | II                                                                                    |
| <b>14.5. Environmental hazards</b>                                                   |                                                                                      |                                                                                      |                                                                                       |
| Dangerous for the environment: No                                                    | Dangerous for the environment: No                                                    | Dangerous for the environment: No<br>Marine pollutant: No                            | Dangerous for the environment: No                                                     |
| No supplementary information available                                               |                                                                                      |                                                                                      |                                                                                       |

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### 14.6. Special precautions for user

#### TDG

|                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN-No. (TDG)                                                                | : UN3262                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TDG Special Provisions                                                      | : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3).<br>(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:<br>(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S.;<br>(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S.;<br>(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S.;<br>(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or<br>(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.<br>(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:<br>(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or<br>(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS. |
| Explosive Limit and Limited Quantity Index                                  | : 1 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Excepted quantities (TDG)                                                   | : E2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 15 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Emergency Response Guide (ERG) Number                                       | : 154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

#### DOT

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN-No. (DOT)                                                     | : UN3262                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DOT Special Provisions (49 CFR 172.102)                          | : IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).<br>IP2 - When IBCs other than metal or rigid plastics IBCs are used, they must be offered for transportation in a closed freight container or a closed transport vehicle.<br>IP4 - Flexible, fiberboard or wooden IBCs must be sift-proof and water-resistant or be fitted with a sift-proof and water-resistant liner.<br>T3 - 2.65 178.274(d)(2) Normal..... 178.275(d)(2)<br>TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 15 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

# Cleaner tab P-free

## Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR) , as amended by SOR/2022-272

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : 50 kg                                                                                                                                                                                                                                                                                                                                                                                               |
| DOT Vessel Stowage Location                                  | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. |
| DOT Vessel Stowage Other                                     | : 52 - Stow "separated from" acids                                                                                                                                                                                                                                                                                                                                                                    |

### IMDG

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Special provision (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                                          |

### IATA

|                                              |            |
|----------------------------------------------|------------|
| 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 provision (IATA)                     | : A3, A803 |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

## SECTION 15 Regulatory information

### Cleaner tab P-free

#### Listed on the Canadian DSL (Domestic Substances List)

|                         |                                            |
|-------------------------|--------------------------------------------|
| Canada DSL & NDSL Flags | All substances contained are listed on DSL |
|-------------------------|--------------------------------------------|

### sodium hydroxide (1310-73-2)

#### Listed on the Canadian DSL (Domestic Substances List)

### disodium metasilicate (6834-92-0)

#### Listed on the Canadian DSL (Domestic Substances List)

### sodium carbonate (497-19-8)

#### Listed on the Canadian DSL (Domestic Substances List)

### Fatty alcohol alkoxylate (68154-99-4)

#### Listed on the Canadian DSL (Domestic Substances List)

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### SECTION 16 Other Information

Issue date : 03-13-2026  
Revision date : 03-13-2026  
Supersedes : 09-11-2025

| Indication of changes |                          |          |
|-----------------------|--------------------------|----------|
| Section               | Changed item             | Comments |
| 1.3                   | Relevant identified uses | Modified |
|                       | Emergency number         | Modified |

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

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

| Full text of hazard classes and H-statements: |                                         |
|-----------------------------------------------|-----------------------------------------|
| 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               |
| H319                                          | Causes serious eye irritation           |
| H335                                          | May cause respiratory irritation        |

| 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                                                                     |

# Cleaner tab P-free

## Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR) , as amended by SOR/2022-272

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|       |                                                                                                   |
|-------|---------------------------------------------------------------------------------------------------|
| 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  | Organization 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                                                          |

KFT SDS CA 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.