

MATERIAL SAFETY DATA SHEET

Issue Date: 18 February 2014

Product Name: CLEAN TAB FOR RATIONAL SELFCOOKING CENTER

MSDS No: 0001/2

1. COMPANY DETAILS / IDENTIFICATION

Product Name: Clean Tab for RATIONAL SelfCooking Center
Article No.: 56.00.210
Recommended Use: Detergent-Tab for RATIONAL SelfCooking Center is used as a cleaning agent.
Supplier: Rational AG Company
Australian representation / supplier: COMCATER
Address: 156 Swann Drive, Derrimut Vic 3030
Tel/Fax: Ph: (03) 8369 4600 Fax: (03) 8369 4666

Emergency contact COMCATER
Address: 156 Swann Drive, Derrimut Vic 3030
Tel/Fax: Ph: (03) 8369 4600 Fax: (03) 8369 4666
Emergency contact POISONS INFORMATION CENTRE
Tel: Ph: 13 11 26

2. HAZARDS IDENTIFICATION

Product is corrosive. Causes severe burns. Irritating to eyes. Irritating to skin. Irritating to the respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | Synonym | CAS Number | Concentration |
|--------------------------|--------------|------------|---------------|
| Sodium Hydroxide | Caustic Soda | 215-185-5 | < 20% |
| Disodium metasilicate | | 6834-92-0 | < 20% |
| Sodium Carbonate | Soda ash | 497-19-8 | <20% |
| Fatty alcohol alcoxylate | | | < 5% |

This product contains no other hazardous ingredients, as defined by the Approved Criteria for defining a Hazardous Substance, and published by NOHSC

4. FIRST AID MEASURES

General Information: Remove contamination soaked clothing immediately. If you feel unwell, seek medical advice.
If product is inhaled: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion
Following contact with skin: In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.
Following contact with eyes: Rinse immediately with plenty of water, including eyelids, for at least 15 minutes. Seek medical treatment from an eye specialist immediately.
In case of accidental swallowing: **DO NOT INDUCE VOMITING** Seek medical advice immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Product does not burn; fire-extinguishing activity should be compatible with surroundings
Extinguishing media which must not be used for safety reasons: Do not use full water jet
Special exposure hazards arising from the substance(s) or preparation itself, combustion products, resulting gases Fire may produce: Irritant/corrosive, flammable as well as toxic distillation gases (carbonisation gases)
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective suit
Additional information: Cool containers at risk with water spray jet. Fire residues and contaminated fire fighting water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid dust formation. Use personal protective clothing.
Environmental precautions: Do not discharge into drains / surface waters / groundwater.
Clean-up procedures: Pick up mechanically, avoid dust, and arrange disposal in suitable containers. Flush away residues with water.

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7. HANDLING AND STORAGE

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| Handling requirements: | Avoid dust formation. Ensure adequate ventilation at machinery locations and at places where dust can be generated. Do not breathe dust. Avoid contact with eyes, skin or mucous membranes. |
| Storage: | |
| Requirements for storage rooms and vessels: | Keep containers tightly closed in a dry, well-ventilated place. Do not use zinc containers. Do not use aluminium containers. Do not use light metal drums. |
| Advice on storage compatibility: | Do not store with acids. |
| Further information on storage conditions: | Keep away from food, drink and animal feedstuffs |

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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| Occupational exposure controls: | Ensure adequate ventilation at machinery locations and at places where dust can be generated |
| Protective and hygiene measures: | Avoid the formation of dust. Do not inhale dust. Avoid contact with eyes and skin. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. |
| Respiratory protection: | No personal respiratory protective equipment normally required. Use breathing apparatus (particle filter) only if dust is formed. |
| Hand protection: | Protective gloves resistant to chemicals made of natural-rubber latex, Minimum coat thickness 0.6mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> made by www.kcl.de. This recommendation refers exclusively to chemical compatibility and relevant lab tests conforming to EN 374, carried out under lab conditions. Requirements can vary, depending on use. It is therefore necessary to adhere to the recommendations given by the manufacturer of the protective gloves. |
| Eye protection: | Eye wash bottle with purified/distilled water. |
| Skin protection: | Light protective clothing. |

9. PHYSICAL & CHEMICAL PROPERTIES

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|---|--------------------------|
| Appearance: | Tablet |
| Colour: | White |
| Odour: | Characteristic odour |
| pH: | 12.7% |
| Vapour pressure: | NA |
| Vapour density: | NA |
| Boiling point / range: | NA |
| Freezing / melting point: | NA |
| Solubility: | Soluble in water at 20°C |
| Density at 20°C: | 1.1gm/cm ³ |
| Flashpoint: | ND |
| Upper and lower flammability limits: | NA |
| Ignition temperature: | NA |

10. STABILITY & REACTIVITY

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| Conditions to avoid: | Strong exothermic reactions with acids. |
| Materials to avoid: | Acids. |
| Hazardous decomposition products: | Irritant / corrosive, flammable as well as toxic distillation gases (carbonised gases). Hydrogen. |
| Additional information: | No decomposition if stored and applied as directed |

11. TOXICOLOGICAL INFORMATION

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| Empirical data on effects on humans: | Causes severe burns. Irritates respiratory tract. Danger of perforation of the gullet and of the stomach |
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12. ECOLOGICAL INFORMATION

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| Further information: | When low concentrations are discharged correctly into adapted biological sewage treatment plants interference with the degradation activity of activated sludge is not likely. The product is an alkaline solution. Neutralization is normally necessary before waste water is discharged into sewage treatment plants. Slight aquatic hazard. Do not discharge product unmonitored into the environment. |
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13. DISPOSAL CONSIDERATIONS

Advice on disposal: Remove and dispose of in accordance with local official regulations.

Waste disposal and number of waste products from residues/unused products: 070699 - WASTE FROM ORGANIC CHEMICAL PROCESSES; waste from the MSFU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified.

Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as much as possible and may be reused, following appropriate cleaning. Packaging that cannot be cleaned should be disposed of like that product.

14. TRANSPORT INFORMATION

UN Number: 3262

UN proper shipping name: CORROSIVE SOLID, BASIC, - INORGANIC, N.O.S.
(sodium hydroxide, disodium metasilicate, mixture)

UNDG Class and subsidiary risk: 8

IMDG packing group: II

Special precautions for user: -

Hazchem code: 2X

15. REGULATORY INFORMATION

Substances contained in the product are listed in the AICS. No TWA (ppm) has been published. The NOHS TWA (mg/m³) = 2 (Peak limitation) for CAS RN 215-185-5.

16. OTHER INFORMATION

Other data: Data for items 4 to 8, as well as 10 to 12, in part do not refer to the use and regular application of the product (in this sense consult both information on the use as well as on product), but no spillage of significant amounts as a result of accidents and other irregularities.

The information refers exclusively to safety requirements in relation to the product(s) and is based on the present level of our knowledge.

Delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by relevant product guarantee and liability.

(NA = not applicable; ND= not determined)

(Data for hazardous ingredients were taken respectively from the last version of the subcontractor's safety data sheet.)

Contact:

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