



Material Safety Data-Sheet

(ANSI Z400.1-2004)

Preparation Date: January 12, 2010

Version: 1.0 (US)

Detergent-Tab for RATIONAL SelfCooking Center®

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Detergent-Tab for RATIONAL SelfCooking Center®

PRODUCT NO: 56.00.206, 56.00.210

APPLICATION: Cleaning agent

MANUFACTURER/SUPPLIER:

Rational AG

Iglinger Strasse 62

D-86899 Landsberg

Germany

Phone: 011 49 (0)8191-3270, Fax: 011 49 (0)8191-21735

Emergency Information: International Poison Center- 011 49 (0)89-19240

Informing department: Produktmanagement, E.mail: reinigung@rational-online.de

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

POTENTIAL HEALTH EFFECTS: (Also see section 11)

DANGER: CAUSES SEVERE BURNS TO SKIN, EYES AND DIGESTIVE TRACT

ROUTES OF ENTRY: Skin and eye contact and ingestion.

CARCINOGENICITY: NTP: No, IARC: No, OSHA: No

Appearance/Odor: White tablets with a product specific odor.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1000)



WHMIS Classification : Class E

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Mixture of substances shown below and non hazardous materials.

Component	CAS#	% By Wt.
Sodium hydroxide	1310-73-2	30 - 50
Disodium metasilicate, anhydrous	6834-92-0	15 - 30
Sodium carbonate	497-19-8	10 - 20
Fatty alcohol ethoxylate	Confidential	1 - 5



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4. FIRST AID MEASURES:

SKIN: Remove contaminated clothing and shoes Wash with soap or mild detergent and large amounts of water. Do not use solvents or thinners.
Get immediate medical attention.

EYES: Hold eyes open and flush for at least 15 minutes with large amounts of water. Get medical attention if irritation occurs.

INGESTION: Do not induce vomiting. Give two glasses of water to dilute stomach contents. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION: Remove individual to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Product is non-combustible. Use extinguishing media suitable for surrounding fire.

FIRE FIGHTING: Use self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES:

SPILL AND LEAK PROCEDURES: Wear protective equipment to prevent contact. Keep unprotected persons away. Collect mechanically into a suitable container. Do not allow product to enter sewers or water bodies.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin, eyes or clothing. Remove contaminated clothing and wash before re-use. Prevent formation of dust. Do not breathe dust.

STORAGE: Store closed containers. Keep in well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

Component	CAS#	Exposure Limit
Sodium hydroxide	1310-73-2	2 mg/m ³ ACGIH STEL(ceiling)



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ENGINEERING CONTROLS: No special controls needed.

RESPIRATORY PROTECTION: Respiratory protection is not required under normal conditions of use. Use NIOSH approved respirator for exposure to dust.

SKIN PROTECTION: Use clothing and shoes suitable to avoid skin contact. Use gloves suitable for alkaline materials. Check suitability recommendations by protective equipment manufacturers.

EYE PROTECTION: Safety goggles.

General Hygiene: Wash thoroughly after handling. Immediately remove soiled and contaminated clothing. Wash before re-use. Do not eat or drink in area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Tablets
COLOR:	White
ODOR:	Product specific
FLASH POINT:	NA
IGNITION TEMPERATURE:	NA
SOLUBILITY IN WATER:	Soluble
APPARENT DENSITY:.....	~1100 kg/m ³ @ 20 °C

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: None

INCOMPATIBILITIES: Acids. Strong exothermic reaction with acids.

11. TOXICOLOGICAL INFORMATION

Product can cause irreversible damage to eyes and digestive tract.

12. ECOLOGICAL INFORMATION

Avoid contamination ground water or waterways.



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13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, Provincial or Local regulations.
Considered to be a hazardous waste.

14. TRANSPORT INFORMATION

TDG/DOT Classification: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
(Sodium hydroxide, Disodium trioxosilicate)
Class 8, UN 3262, Packing group II.

15. REGULATORY INFORMATION

All components of this product are on the TSCA Inventory.

SARA Title III:

To the best of our knowledge this product contains **no** toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

Note: Entries under this section cover only those regulations typically addressed in the MSDS generating process, such as, TSCA, and EPCRA/SARA Title III.

16. OTHER INFORMATION

WHMIS LABEL: DANGER! CAUSES SEVERE BURNS TO SKIN, EYES AND DIGESTIVE TRACT

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This MSDS was revised to conform to the American National Standard,
ANSI Z400.1-2004

To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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