Product:	Rational Care-Tabs
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SAFETY DATA SHEET — Rational Care-Tabs

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH), as retained and amended in UK law Care tabs. Version number: 9.1. Issued: 2024-11-22. Replaces SDS: 2023-12-25.

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

1.1. Product identifier: Care tabs. Article No. 56.00.562; 56.01.527; 56.01.529. UFI code: R5YU-WM0D-PR18-HMMV 1.2. Relevant identified uses: RATIONAL care tabs for all iHexagon, iCombi Pro, iCombi Classic and SelfCookingCenter models with Efficient CareControl for commercial use. Not suitable for all other uses (discouraged). 1.3. Supplier: RATIONAL AG, Siegfried-Meister-Straße 1, 86899 Landsberg am Lech, Germany. Tel +49 8191 327 387. Email reinigung@rational-online.com. Fax +49 8191 327 231. Web www.rational-online.com. Importer: RATIONAL UK Ltd., Titan Court, Unit 4, Laporte Way, Portenway Business Parks, LU4 8EF Luton, Bedfordshire, UK. Tel +44 1582 48 03 88. 1.4. Emergency telephone number: 24-Hour-Hotline +49 6132 844 63 (available outside office hours)

SECTION 2: Hazards identification

2.1. Classification: Skin corrosion category 1B; Serious eye damage category 1; STOT Single exposure category 3 - respiratory tract irritation. Hazard statements: H314, H318, H335. 2.2. Label elements: Signal word Danger. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation. Precautionary statements: P101 If medical advice is needed, have product container or label at hand. 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/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/doctor. P501 Dispose of contents/container to hazardous or special waste collection point per local/regional/national/international regulation. Hazard components for labeling: Citric acid, Malic acid, adipic acid. 2.3. Other hazards: This mixture does not contain any substances classified as PBT or vPvB per Article 57/Annex XIII of REACH.

SECTION 3: Composition/information on ingredients

- DL-malic acid, CAS 617-48-1, EC 210-514-9, REACH 01-2119552463-40-xxxx, 20-50%: Skin Irrit. 2, Eye Irrit. 2 (H315, H319). - Citric acid, CAS 77-92-9, EC 201-069-1, REACH 01-2119457026-42-xxxx, Index 607-750-00-3, 20-50%: Eye Irrit. 2, STOT SE 3 - resp. tract irrit. (H319, H335). - Adipic acid, CAS 124-04-9, EC 204-673-3, REACH 01-2119457561-38-xxxx, Index 607-144-00-9, 5-15%: Eye Irrit. 2 (H319). Full text of H/EUH statements in Section 16.

SECTION 4: First aid measures

4.1. First responders: Pay attention to self-protection. Inhalation: Not applicable. Skin contact: Wash off with soap and water. In case of skin irritation or allergic reactions see a physician. Eye contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. Ingestion: Clean mouth with water and drink plenty of water afterwards. Do not induce vomiting. Consult a physician if necessary. Information for doctors: For specialist advice, physicians should contact the Poisons Information Service. 4.2. Symptoms/effects: Immediate effects can be expected after long-term exposure. Inhalation: not applicable. Skin contact: causes severe skin burns. Eye contact: causes severe eye burns. Ingestion: severe burns of mouth and throat, danger of perforation of oesophagus and stomach. 4.3. Treat symptomatically. Show this SDS to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Suitable extinguishing media: Water spray, dry powder, foam, carbon dioxide (CO2). Use measures appropriate to local circumstances/surrounding environment. Unsuitable: Do not use a solid water stream as it may scatter and spread fire. 5.2. Special hazards: Hazardous decomposition products formed under fire conditions. 5.3. Advice for firefighters: Wear self-contained breathing apparatus for fire fighting if necessary. Fire residues and contaminated fire extinguishing water must be disposed of per local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions: Wear PPE. Avoid direct contact with material/product. 6.2. Environmental precautions: Not required. 6.3. Containment/cleanup: Use mechanical handling equipment. Dispose of as hazardous waste per local/national regulations. 6.4. Reference to other sections: 7 (storage/handling), 8 (exposure/PPE), 10 (incompatible materials), 13 (disposal).

SECTION 7: Handling and storage

7.1. Safe handling: Avoid direct contact with material/product. Wear PPE. Wash hands after handling. Do not eat, drink or smoke when using. Usual precautionary measures for handling chemicals must be observed. 7.2. Storage: Keep away from food, drink and animal feeding stuffs. Store in a place accessible by authorized persons only. Keep out of reach of children. Storage class per TRGS 510: 8A (flammable, corrosive hazardous substances). Store in original container. Storage temperature 10°C to 40°C. 7.3. Specific end use(s): PC35 - Washing and cleaning products (including solvent-based products).

SECTION 8: Exposure controls/personal protection

8.1. DNEL: DL-malic acid - chronic inhalation 32 mg/m3 (workers, local); 5.33 mg/m3 (workers, systemic); 1.6 mg/m3 (consumers, local); chronic oral 6 mg/kg (consumers, systemic); acute oral 20 mg/kg (consumers, systemic); acute inhalation 104 mg/m3 (workers, systemic), 52 mg/m3 (consumers, systemic). Adipic acid - chronic inhalation 74.1 mg/m3 (workers, systemic), 13 mg/m3 (consumers, systemic); chronic dermal 21 mg/kg (workers, systemic), 7.5 mg/kg (consumers, systemic); chronic oral 7.5 mg/kg (consumers, systemic). PNEC: DL-malic acid - freshwater 0.1 mg/L; marine water 0.01 mg/L; sewage treatment plant 3 mg/L. Adipic acid - freshwater 126 µg/L; intermittent releases (freshwater) 460 µg/L; marine water 12.6 µg/L; sediment (freshwater) 474 µg/kg; sediment (marine) 47.4 µg/kg; soil 0.0208 mg/kg. Citric acid - freshwater 0.44 mg/L; marine water 0.044 mg/L; sewage treatment plant 1000 mg/L; sediment (freshwater) 34.6 mg/kg; sediment (marine) 3.46 mg/kg; soil 33.1 mg/kg. 8.2. Exposure controls: Engineering controls: not required. Eye/face protection: chemical-resistant safety glasses with side protection (EN166). Hand protection: chemical-resistant gloves (EN 374), Butyl or NBR rubber, category III per EN 374; follow manufacturer guidance on permeability/break-through times and workplace conditions. Other skin protection/respiratory protection: not necessary under normal/foreseeable use. Thermal hazards: not applicable. Environmental exposure controls: no special precautions required.

SECTION 9: Physical and chemical properties

Physical state: Tablet. Colour: White. Odour: Characteristic. Odour threshold: no information available. Melting/freezing point, boiling point, flammability: Not applicable. Lower/upper explosion limit: no explosive properties. Flash point: no data available. Autoignition temperature: not applicable. Decomposition temperature: no information available. pH: 2.5 (Method: 1% aqueous solution). Kinematic/dynamic viscosity: Not applicable. Solubility: water soluble, completely soluble. Partition coefficient: no information available. Vapour pressure: not applicable. Density: 820-900 kg/m3 (bulk density). Relative density/vapour density: no information/not applicable. Evaporation rate: not applicable. Explosive/oxidising properties: none. VOC%: <3%. Particle characteristics: no nanomaterials/nanoforms per (EC) 1907/2006.

SECTION 10: Stability and reactivity

10.1. Reactivity: Stable at normal conditions. 10.2. Chemical stability: Chemically stable. 10.3. Possibility of hazardous reactions: None under normal use. 10.4. Conditions to avoid: Protect from moisture. 10.5. Incompatible materials: Strong bases. Light metals. Oxidizing agents. 10.6. Hazardous decomposition products: See Section 5. Hazardous decomposition products formed under fire conditions.

SECTION 11: Toxicological information

No data available on product itself; classification criteria for acute toxicity not met based on available component data. Acute toxicity: Citric acid - Oral LD50 5,400 mg/kg (mouse, OECD 401, ECHA); Dermal LD50 >2,000 mg/kg (rat, OECD 402, ECHA). DL-malic acid - Oral LD50 9,300 mg/kg (rat, OECD 401); Inhalation LC50 >1,306 mg/L (4h, rat, OECD 403). Adipic acid - Oral LD50 5,560 mg/kg (rat, OECD 401, ECHA). Skin corrosion/irritation: Causes severe skin burns. Serious eye damage/irritation: Causes severe eye burns. Respiratory/skin sensitisation, germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT-repeated, aspiration hazard: classification criteria not met based on available data. STOT-single exposure: May cause respiratory irritation. 11.2. Endocrine disrupting properties: Mixture/product does not contain ingredients with endocrine disrupting properties per (EC) 1907/2006, (EU) 2018/605, (EU) 2017/2100.

SECTION 12: Ecological information

12.1. Toxicity: component data given. Acute fish toxicity: Citric acid LC50 440 mg/L (48h, Leuciscus idus, OECD 203, ECHA). DL-malic acid LC50 >100 mg/L (96h, Danio rerio, OECD 203). Adipic acid LC0 >1,000 mg/L (96h, Danio rerio, ECHA). Acute algae toxicity: DL-malic acid EC50 >100 mg/L (72h, Pseudokirchneriella subcapitata, static test). Adipic

acid ErC50 59 mg/L (72h, Pseudokirchneriella subcapitata, OECD 201, ECHA). Acute crustacean toxicity: Citric acid LC50 1,535 mg/L (24h, Daphnia magna, ECHA). DL-malic acid EC50 47.52 mg/L (48h, Daphnia magna, OECD 202). Adipic acid LC50 46 mg/L (48h, Daphnia magna, OECD 202, ECHA). Micro-/macro organism toxicity: DL-malic acid EC50 >300 mg/L (3h, activated sludge bacteria, OECD 209). 12.2. Persistence/degradability: Readily biodegradable per OECD 301B (CO2 Evolution test). Surfactants meet biodegradability requirements per Regulation (EC) 648/2004. 12.3. Bioaccumulative potential: No information available. 12.4. Mobility in soil: No information available. 12.5. PBT/vPvB: Mixture does not contain substances classified as PBT or vPvB per Article 57/Annex XIII of REACH. 12.6. Endocrine disrupting properties: Does not contain ingredients with endocrine disrupting properties per (EC) 1907/2006, (EU) 2018/605, (EU) 2017/2100. 12.7. Other adverse effects: Product/mixture does not contain substances within meaning of Regulation (EC) 1005/2009 (ozone-depleting).

SECTION 13: Disposal considerations

Dispose of as hazardous waste per local/national regulations. Packaging: empty containers for local recycling/recovery/waste disposal; contaminated packaging disposed of as unused product. Waste code: 20 01 29* detergents containing hazardous substances (asterisk = HAZARDOUS WASTE).

SECTION 14: Transport information

14.1. UN number: 3261 14.2. UN proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Citric acid, Malic acid, adipic acid) (ADR/RID/ADN and IMDG) 14.3. Transport hazard class(es): 8 (all modes). Classification code C4. Hazard ID number 80. 14.4. Packing group: II 14.5. Environmental hazards: No (not a marine pollutant per IMDG) 14.6. IMDG EmS: F-A, S-B 14.7. Maritime transport in bulk: Not applicable Additional ADR-RID info: LQ 1kg; EQ E1; Transport category (tunnel restriction code): 2 (E)

SECTION 15: Regulatory information

15.1. EU regulations: Regulation (EC) 648/2004 (detergents) - ingredients per Annex VII: <5% non-ionic surfactants, polycarboxylates. Regulation (EC) 1272/2008 (CLP). Regulation (EC) 1907/2006 (REACH) - not subject to Annex XIV authorization, Annex XVII restriction, or SVHC candidate list. Regulation (EU) 528/2012 (BPR) - not applicable. Regulation (EU) 2019/1148 (explosives precursors) - not applicable. Directive 2011/65/EU (RoHS 2) - not applicable. Regulation (EU) 2019/1021 (POPs) - not applicable. Directive 2012/18/EU (Seveso III) - not applicable. National regulations: UK REACH (SI 2019/758 as amended); UK CLP (SI 2015/21 as amended); UK COMAH (SI 2015/483 as amended); Management of Health and Safety at Work Regulations (SI 1999/3242 as amended). 15.2. Chemical safety assessment: Mixture has not been subjected to a safety assessment.

SECTION 16: Other information

Changes to previous revision: Addition iHexagon (Section 1.2); Addition Importer (Section 1.3); Addition Suitable material (Section 8.2). Full text of H-statements: H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Classification method: Health hazards - OECD 431 (reconstructed human epidermis); OECD 438 (Isolated Chicken Eye Test). Phrase legend: Skin Corr. 1B = Skin corrosion category 1B; Eye Dam. 1 = Serious eye damage category 1; STOT SE 3 - resp. tract irrit. = Specific Target Organ Toxicity, single exposure, category 3, respiratory tract irritation; Skin Irrit. 2 = Skin irritation category 2; Eye Irrit. 2 = Eye irritation category 2. References: REACH registration dossiers; ECHA C&L Inventory; safety data sheets from raw material suppliers. Manufacturer's notes: Legal disclaimer - information believed correct; company not liable for damage from handling/contact with product. End of Safety Data Sheet.