

Safety Data Sheet

RDT Technology Ltd

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008,
UK Amending Regulations: SI 2021 No.904, SI 2023 No.1344.

Revision Date: 28 March 2024

1. IDENTIFICATION

1.1 Product Name FDC™ Original Concentrated Flexible Denture Cleaner (20201-FDCO)
Safety Data Sheet No. FDCO SDS 001

Other Means of Identification

Pure substance/mixture Mixture

Contains Potassium Peroxymonosulfate

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Removable Dental Prosthesis Cleaner.

Uses Advised Against No information available.

1.3 Details of the Supplier of the Material Safety Data Sheet and for Further Information:

RDT Technology Ltd
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Ferring, West Sussex
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1.4 Emergency Telephone Number

+44 (0)1903 700037

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Acute Toxicity - Oral	Category 4 – (H302)
Skin Corrosion/Irritation	Category 2 – (H315)
Serious Eye Damage/Eye Irritation	Category 2 – (H319)
Chronic Aquatic Toxicity	Category 3 – (H412)

2.2 Label Elements –

Contains Potassium Peroxymonosulfate



Signal Word

Warning

Hazard Statements

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H412 – Harmful to aquatic life with long lasting effects.

Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands, and any exposed skin thoroughly after handling.

P270 - Do not eat, drink, or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/clothing, eye/face protection.

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P330 - Rinse mouth.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 - If skin irritation occurs get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P501 – Dispose of contents/ container to an approved waste disposal plant.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

Unknown Acute Toxicity

18.67% of the mixture consists of ingredient(s) of unknown acute oral toxicity.

Unknown Aquatic Toxicity

Contains 0.19% of components with unknown hazards to the aquatic environment.

Additional Information

This product requires tactile warnings if supplied to the general public.

2.3 Other Hazards –

No information available.

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Full text of H- and EUH-phrases: see Section 16

Acute Toxicity Estimate

No information available

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.

Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Doctor Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable Extinguishing Media

Do not scatter spilled material with high pressure water streams.

5.2 Specific Hazards Arising from the Substance or Mixture

Specific Hazards Arising from the Chemical No information available.

5.3 Advice for Firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

For Emergency Responders Use personal protection recommended in Section 8.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and Material for Containment and Cleaning-up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Take up mechanically, placing in appropriate containers for disposal.

Prevention of Secondary Hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4 Reference to Other Sections

See Section 8 for more information and see Section 13 for more information.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General Hygiene Considerations Wear suitable gloves and eye/face protection. Do not eat, drink, or smoke when using this product. Avoid contact with skin, eyes, or clothing.

7.2 Conditions for Safe Storage, Including any Incompatibilities if Applicable

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Storage Class (TRGS 510) LGK 11.

7.4 Special End Use(s)

Special Use(s) Prosthetic Denture Cleaner.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Biological Occupational Exposure Limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers No information available.

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2 Exposure Controls

Engineering Controls No information available.

Personal Protective Equipment

Eye/Face Protection If splashes are likely to occur, wear safety glasses with side-shields.

Hand Protection Wear suitable gloves. Impervious gloves.

Skin and Body Protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory Protection No protective equipment is needed under normal use, conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Consideration Wear suitable gloves and eye/face protection. Do not eat, drink, or smoke when using this product. Avoid contact with skin, eyes or clothing.

Environmental exposure controls No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical state Solid
Appearance White, free flowing solid
Odour Odourless
Colour White
Odour Threshold No information available.

Property	Values	Remarks - Method
Melting Point/Freezing Point	No data available	
Internal Boiling Point and Boiling Range	Decomposes	
Flammability (Solid, Gas)	No data available	
Flammability Limits in Air		
Upper Flammability or Explosive Limits	N/A	
Lower Flammability or Explosive Limits	N/A	
Vapor Pressure	Nil	
Vapor Density	N/A	

Relative Density	1.1-1.4	@15.56°C/60°F (ASTM D 1298)
Bulk Density	No data available	
Liquid Density	No data available	
Water Solubility	No data available 25.6%	
Solubility(ies)	No data available	
Partition Coefficient	No data available	
Autoignition Temperature	N/A	
Flash Point	None	
Decomposition Temperature	No data available	
pH		
pH (as aqueous solution)	No data available	
Kinematic Viscosity	No data available	
Dynamic Viscosity		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2 Other Information

9.2.1 Information with regards to Physical Hazard Classes Not applicable.

9.2.2 Other Safety Characteristics No information available +1 N-butyl acetate.

10. STABILITY AND REACTIVITY

10.1 Reactivity No information available.

10.2 Chemical Stability

Stability Stable under normal conditions.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3 Possibility of Hazardous Reactions

Hazardous Polymerization Hazardous polymerisation does not occur.

Possibility of Hazardous Reactions None under normal processing.

10.4 Conditions to Avoid None known based on information supplied.

10.5 Incompatible Materials Strong acids. Strong bases. Strong oxidising agents.

10.6 Hazardous Decomposition Products Oxygen.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Hazard Classes as Defined in Regulation (EC) No 1272/2008

Information on Likely Routes of Exposure.

Product Information

Eye Contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin Contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Harmful if swallowed. (Based on components).

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Symptoms	Redness. May cause redness and tearing of the eyes.
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Acute Toxicity

Numerical Measures of Toxicity

The following values are calculated based on chapter 3.1 of the GHS document;

ATEmix (oral)	1,204.00 mg/kg
ATEmix (dermal)	2,000.00 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapour)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	99,999.00 mg/l

Unknown Acute Toxicity	18.67 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Skin Corrosion/Irritation	Classification based on data available for ingredients. Causes skin irritation. May cause skin irritation.
Serious Eye Damage/Eye Irritation	Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or Skin Sensitisation Not classified.

Germ Cell Mutagenicity Not classified.

Carcinogenicity Not classified.

Reproductive Toxicity Not classified.

STOT - Single Exposure Not classified.

STOT - Repeated Exposure Not classified.

Aspiration Hazard Not classified.

11.2 Information on Other Hazards

11.2.1. Endocrine Disrupting Properties

Endocrine Disrupting Properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other Adverse Effects No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Unknown Aquatic Toxicity Contains 0.19 % of components with unknown hazards to the aquatic environment.

12.2 Persistence/Degradability No information available.

12.3 Bioaccumulation Potential There is no data for this product.

12.4 Mobility in Soil No information available.

12.5 Results of PBT and vPvB Assessment

PBT and vPvB Assessment The product does not contain any substance(s) classified as PBT or vPvB.

12.6. Endocrine Disrupting Properties No information available.

12.7. Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste from Residues/Unused Product Dispose of in accordance with local regulations.
Dispose of waste in accordance with environmental legislation.

Contaminated Packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

IMDG

14.1

14.2 Proper Shipping Name Not regulated.

14.3

14.4

14.5

14.6

14.7

RID

14.1

14.2 Proper Shipping Name Not regulated.

14.3

14.4

14.5

14.6

ADR

14.1

14.2 Proper Shipping Name Not regulated.

14.3

14.4

14.5

14.6

IATA

14.1

14.2 Proper Shipping Name Not regulated.

14.3

14.4

14.5

14.6

Proper Shipping Name Not regulated.

14.3 Transport Hazard Class(es) Not regulated.

14.4 Packing Group Not regulated.

14.5 Environmental Hazard Not applicable.

**14.6 Special Precautions for User
Special Provisions** None.

IMDG

14.1 UN Number or ID Number Not regulated.

Proper Shipping Name Not regulated.

14.3 Transport Hazard Class(es) Not regulated.

14.4 Packing Group Not regulated.

14.5 Environmental Hazard Not applicable.

**14.6 Special Precautions for User
Special Provisions** None.

14.7 Maritime Transport in Bulk According to IMO Instruments No information available.

RID

14.1 UN/ID No Not regulated.

14.2 UN proper shipping name Not regulated.

Proper Shipping Name Not regulated

14.3 Transport hazard class(es) Not regulated.

14.4 Packing Group Not regulated

14.5 Environmental hazard Not applicable.

**14.6 Special precautions for user
Special Provisions** None.

ADR

14.1 UN number or ID number Not regulated.

Proper Shipping Name Not regulated.

14.3 Transport hazard class(es) Not regulated.

14.4 Packing Group Not regulated.

14.5 Environmental Hazard Not applicable.

**14.6 Special Precautions for User
Special Provisions** None.

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

European Union Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or Restrictions on Use

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Persistent Organic Pollutants Not applicable.

Ozone-depleting Substances (ODS) Regulation (EC) 1005/2009 Not applicable.

International Inventories Not determined.

International Inventories:

TSCA	Contact supplier for inventory compliance status.
DSL/NDL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AIIC	Contact supplier for inventory compliance status.
NZIoC	Contact supplier for inventory compliance status.

Legend:

TSCA -	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL/NDL -	Canadian Domestic Substances List/Non-Domestic Substances List.
EINECS/ELINCS -	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS -	Japan Existing and New Chemical Substances.
IECSC -	China Inventory of Existing Chemical Substances.
KECL -	Korean Existing and Evaluated Chemical Substances.
PICCS -	Philippines Inventory of Chemicals and Chemical Substances.
AICS -	Australian Inventory of Chemical Substances.

15.2 Chemical Safety Assessment

Chemical Safety Report No Information available.

16. OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet.

Legend SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure Controls/ Personal Protection

TWA	TWA (Time-Weight Average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum Limit Value	*	Skin Designation
+	Sensitisers		

Classification Procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP] Method Used

Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR).
 U.S. Environmental Protection Agency ChemView Database.
 European Food Safety Authority (EFSA).
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC).
 European Chemicals Agency (ECHA) (ECHA_API).
 EPA (Environmental Protection Agency).
 Acute Exposure Guideline Level(s) (AEGl(s)).
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act.
 U.S. Environmental Protection Agency High Production Volume Chemicals.
 Food Research Journal.
 Hazardous Substance Database.
 International Uniform Chemical Information Database (IUCLID).
 National Institute of Technology and Evaluation (NITE).
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS).
 NIOSH (National Institute for Occupational Safety and Health).
 National Library of Medicine's ChemID Plus (NLM CIP).
 National Library of Medicine's PubMed database (NLM PUBMED).
 National Toxicology Program (NTP).

New Zealand's Chemical Classification and Information Database (CCID).

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications.

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme.

Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization.

Issue Date: 28 July 2023 (Revision 1)
Revision Date: 28 March 2024 (Revision 2)
Revision Note: Regulatory Update

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) and UK Amending Regulation: SI 2021 No.904.

Disclaimer

As of the date of the preparation of this Safety Data Sheet, the information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.