

# SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006



## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

Revised on 21.11.2023

Print date: 21.11.2023

### SECTION 1: Name of the substance or mixture and the undertaking

#### 1.1 Product Identifier

Trade name : REDEM CLEAN FLUSH

#### 1.2 Relevant identified uses of the substance or mixture and uses that are discouraged

Use of the substance/mixture : Cleaning agents for reverse vending machines

For professional use only.

#### 1.3 Details of the supplier providing the safety data sheet

Company : RE DEPOSIT Solutions GmbH  
Am Vogelherd 67  
98693 Ilmenau

Telephone : +49 69 273 15989

E-mail address : service-management-ger@re-deposit.com

Responsible/Issuing Person

Contact : Service Management

#### 1.4 Emergency number

+49(0) 361 730 730

### SECTION 2: Potential Hazards

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

No dangerous substance or mixture.

#### 2.2 Marking elements

Labelling (REGULATION (EC) No 1272/2008)

No dangerous substance or mixture.

Safety data sheet available on request.

#### 2.3 Other hazards

This substance/mixture does not contain components at concentrations of 0.1% or higher that are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

The substance/mixture does not contain any constituents that have endocrine disrupting properties in quantities of 0,1 % or more in accordance with REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

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### SECTION 3: Composition/Ingredient Indications

#### 3.2 Mixtures

**Ingredients**  
Notes : No Hazardous Ingredients

### SECTION 4: First Aid Measures

#### 4.1 Description of first aid measures

General information : No special first aid measures required.

After inhalation : After inhaling the fire gases, decomposition products or dust, go out into the fresh air in the event of an accident. If symptoms persist, consult a doctor.

After skin contact : Remove soiled clothes and shoes immediately. Wash off with soap and plenty of water.

After eye contact : Protect uninjured eye. Remove existing contact lenses if possible. Rinse immediately with plenty of water for at least 15 minutes, including under the eyelids.

After ingestion : Rinse your mouth with water and drink plenty of water. Do not administer milk or alcoholic beverages. Never put anything in the mouth of a fainting person.

#### 4.2 Main acute and delayed symptoms and effects

Symptoms : No information available.

Risks : No information available.

#### 4.3 Indications of immediate medical assistance or special treatment

Treatment : For advice from a specialist, the doctor should consult the Poison control center.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing agent

Suitable extinguishing agents : Tailor extinguishing measures to the environment.

#### 5.2 Specific hazards posed by the substance or mixture

Special hazards in firefighting : Do not allow run-off water from firefighting to enter wastewater or watercourses.

Hazardous combustion products : No known hazardous combustion products

## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

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### 5.3 Instructions for firefighting

- Special protective equipment for firefighting : In the event of a fire, wear a breathing apparatus that is independent of ambient air.
- More information : Contaminated extinguishing water must not be collected separately and must not be discharged into the sewer system. Fire residues and contaminated extinguishing water must be disposed of in accordance with local government regulations become.

## SECTION 6: Measures to be taken in the event of accidental release

### 6.1 Personal precautions, protective equipment and procedures to be followed in case of emergencies

- Personal Precautions : Use personal protective equipment.

### 6.2 Environmental protection

- Environmental protection : The ingress of the material into the sewer system or watercourses as far as possible.

### 6.3 Methods and materials for retention and cleaning

- Reinigungsverfahren : Neutralize with acid. Sweep up and shovel up.  
Wipe with absorbent material (e.g. cloth, fleece).  
Place in suitable and sealed containers for disposal.

### 6.4 Reference to other sections

For personal protective equipment, see section 8., Treat the ingested material according to section Disposal., See point 15 for specific, national legal provisions.

## SECTION 7: Handling and Storage

### 7.1 Protective measures for safe handling

- Notes on safe handling : For personal protective equipment, see section 8.  
No special handling instructions required.
- Notes on fire and explosion protection : Common preventive fire protection measures.
- Hygiene measures : Wash your hands before breaks and at the end of work.

### 7.2 Conditions for safe storage, taking into account incompatibilities

- Requirements for storage rooms and containers : Store container tightly closed in a dry, well-ventilated place. Store in the original container at room temperature.
- Storage Notes : No special restrictions on co-storage with other products.
- Storage class (TRGS 510) : 12, Non-flammable liquids
- For more information on the : No decomposition when stored as intended, and

## REDEM CLEAN FLUSH

Order number: 716700

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Shelf life

Application.  
Protect from frost.

### 7.3 Specific end-use applications

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## SECTION 8: Exposure Limitation and Monitoring/Personal Protective Equipment

### 8.1 Parameters to be monitored

Does not contain substances with occupational exposure limits.

### 8.2 Exposure Limitation and Monitoring Personal

#### Protective Equipment

Eye/face protection : not necessary when handled as intended

Guard

Material : not necessary when handled as intended

Material : Use gloves in case of prolonged or repeated contact.  
Chemical protection glove made of butyl rubber or nitrile rubber of category III according to EN 374.

Notes : Observe the manufacturer's specifications regarding permeability and breakthrough time, as well as the special conditions at the workplace (mechanical stress, duration of contact).

Skin and body protection : not necessary when handled as intended

Respiratory : not necessary when handled as intended

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## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

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Color	:	colourless
Smell	:	characteristic
Odour threshold	:	No data available
pH	:	approx. 10, 100 % at 20 °C
Melting point/melting range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	non-flammable
Evaporation rate	:	No data available
Flammability (solid, gaseous)	:	No data available
Flammability (liquids)	:	No data available
Burning speed	:	No data available
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapour density	:	No data available
Relative Density	:	No data available
Density	:	approx. 1.0025 g/cm <sup>3</sup> at 20 °C
Solubility in water	:	No data available
Solubility in other solvents	:	No data available
Distribution coefficient: n-Octanol/Water	:	No data available
Ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

### 9.2 Other particulars

none

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## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Stable under specified storage conditions.  
No known dangerous reactions when handled as directed.

### 10.2 Chemical stability

No decomposition when stored and used as intended.

## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

Revised on 21.11.2023

Print date: 21.11.2023

### 10.3 Possibility of dangerous reactions

Dangerous reactions : No dangers worth mentioning.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost.

### 10.5 Incompatible materials

Substances to avoid : No data available

### 10.6 Hazardous decomposition products

There are no known dangerous decomposition products.

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## SECTION 11: Toxicological claims

### 11.1 Information on hazard classes within the meaning of Regulation (EC) No 1272/2008

Our company strictly rejects animal testing.

Our company does not place orders for animal testing on the final product or ingredients. However, EU legislation (REACH Regulation) obliges substance manufacturers or EU importers to test substances for their effects on human health and the environment before they are placed on the market. Some of these forced tests date back decades.

Acute toxicity : Not classified

#### Corrosive/irritating effect on the skin

##### Product:

Notes : According to the EU's classification criteria, the product is not classified as a

#### Severe eye damage/irritation

##### Product:

Notes : According to the EU's classification criteria, the product is classified as non-Eye-irritating to look at.

#### Respiratory/Skin Sensitization

##### Product :

Notes : No data available

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific Target Organ Toxicity in case of single exposure : The substance or mixture is not intended to be toxic to the target organs, single time exposure.

Specific Target Organ Toxicity in case of repeated exposure : The substance or mixture is not intended to be toxic to the target organ, repeated exposure

## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

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Aspiration toxicity : Not classified

### 11.2 Information on other hazards

#### Further information

#### Product:

Notes : No data available

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## SECTION 12: Environmental claims

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulation potential

No data available

### 12.4 Mobility in the ground

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product :

Assessment : This substance/mixture does not contain any components at concentrations of 0,1 % or higher which are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very persistent.

### 12.6 Endocrine-disrupting properties

No data available

### 12.7 Other Adverse Effects of

#### Product:

Other Ecological Notes : No data is available for this product.

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## SECTION 13: Disposal Instructions

### 13.1 Waste treatment process

Product : In accordance with local and national legal requirements.

Contaminated packaging : Empty leftovers.  
Send empty containers to an approved waste disposal facility for recovery or disposal.

# SAFETY DATA SHEET

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## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

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### SECTION 14: Transport details

#### 14.1 UN number or ID number

**COR**

No dangerous goods

**RID**

No dangerous goods

**IMDG**

No dangerous goods

**IATA**

No dangerous goods

#### 14.2 Proper UN shipping designation

Not classified as dangerous goods

#### 14.3 Transport hazard classes

**COR**

No dangerous goods

**RID**

No dangerous goods

**IMDG**

No dangerous goods

**IATA**

No dangerous goods

#### 14.4 Packaging group

**COR**

No dangerous goods

**RID**

No dangerous goods

**IMDG**

No dangerous goods

**IATA**

No dangerous goods

#### 14.5 Environmental hazards

**COR**

No dangerous goods

**RID**

No dangerous goods

**IMDG**

Not classified as dangerous goods

**IATA**

No dangerous goods

#### 14.6 Special precautions for the user

Notes : No dangerous goods within the meaning of the transport regulations.

For personal protective equipment, see section 8.

#### 14.7 Bulk carriage by sea according to IMO instruments

On product in delivery condition not applicable.

### SECTION 15: Legislation

#### 15.1 Safety, health and environmental protection requirements/specific legislation for the substance or mixture



# SAFETY DATA SHEET

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## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

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Regulation (EC) No 649/2012 of the European Parliament and of the Council on the export and import of dangerous Chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Fire hazard class : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of the Dangers of major accidents involving dangerous substances. : Not applicable

Water hazard class : WGK 1  
slightly hazardous to water  
Classification according to AwSV, Annex 1 (5.2)

TA Luft : Total Dust: Not applicable  
: Dusty inorganics: Not applicable  
: Vapour or gaseous inorganics : : Proportion class 3: 0.06 %  
  
: Organic matter : : Proportion class 1: 0.3 %  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable

Volatile organic compound (VOC) content : Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Level: Volatile: 0.48 % 282.98 g/l  
VOC (volatile organic compound) content minus water

Volatile organic compound (VOC) content : Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Level: Volatile: 0.48 % 4.82 g/l  
VOC (volatile organic compound) content valid for coating materials for wood surfaces

in accordance with EU detergent regulation EG 648/2004 : <5 % Anionische Tenside, DIDECYLDIMONIUM CHLORIDE

### 15.2 Chemical Safety Assessment

# SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006



## REDEM CLEAN FLUSH

Order number: 716700

Version 1.0

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### SECTION 16: Other Disclosures

#### Full text of other abbreviations

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; AIIC - Australian Directory of Industrial Chemicals; ASTM - American Society for Materials Testing; bw - body weight; CLP - Regulation on Classification, Labelling and Packaging of Substances, Regulation (EC) No 1272/2008; CMR - carcinogenic, mutagenic or reproductive toxin; DIN - Standard of the German Institute for Standardization; DSL - List of Domestic Substances (Canada); ECHA - European Chemicals Agency; EC-Number - number of the European Community; ECx - concentration associated with x% reaction; ELx - loading rate associated with x% response; EmS - Contingency Plan; ENCS - Existing and New Chemical Substances (Japan); ErCx - concentration associated with x% growth rate; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipping of Ships for the Carriage of Hazardous Chemicals in Bulk; IC50 - Semi-maximal inhibitor concentration; ICAO - International Civil Aviation Organization; IECSC - List of Chemical Substances Present in China; IMDG - Code – International Code for the Carriage of Dangerous Goods by Seagoing Vessels; IMO - International Maritime Organization; ISHL - Occupational Safety and Health Act (Japan); ISO - International Organization for Standardization; KECI - Directory of Chemicals Present in Korea; LC50 - Lethal concentration for 50% of an experimental population; LD50 - lethal dose for 50% of an experimental population (mean lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; N.O.S. - not elsewhere specified; NO(A)EC - concentration at which no (harmful) effect is apparent; NO(A)EL - dose at which no (harmful) effect is apparent; NOELR - No discernible effect charge; NZIoC - New Zealand Chemicals Inventory; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention (OSCPP); PBT - Persistent, bioaccumulative and toxic substances; PICCS - Inventory of Chemicals and Chemical Substances Present in the Philippines; (Q) SAR - (Quantitative) Structure-Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulation on the International Carriage of Dangerous Goods by Rail; SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Directory of Chemical Substances Present in Taiwan; TECI - Thailand Stock of Existing Chemicals; TRGS - Technical Rules for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very persistent and very bioaccumulative

#### More information

**Classification of the mixture:**

**Classification procedure:**

Calculation method

To the best of our knowledge, the information in this safety data sheet corresponds to our findings at the time of revision. The information is intended to provide you with information on the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. To the extent that the product referred to in this safety data sheet is mixed, mixed or processed with other materials or is subject to processing, the information in this safety data sheet cannot be transferred to the new material thus manufactured, unless expressly stated otherwise.

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