SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date: 02-Mar-2023 **Revision Date:** 02-Mar-2023 **Revision Number** 1

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

1.1. Product identifier

Product Identifier	90603661_BULK_CLPR7_EUR
Product Name	Fairy Dishwasher Cleaner
Product Form	Mixture
Pure substance/mixture	Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use	Intermediate
Uses advised against	No information available
Product category	Unpackaged Bulk Product. This Safety Data Sheet must not be used for Packaged Consumer Product

1.3. Details of the supplier of the safety data sheet

Manufacturer
Zobele Bulgaria Eood
Plovdiv district, Industrial zone Rakovski warehouse 2
Bulgaria, +359 2 9154 409, E-mail: poison_centre@mail.orbitel.bg; http://www.pirogov.bg

For further information, please contact

E-mail address pgsds.im@pg.com

1.4. Emergency telephone number

Emergency Telephone

EUROPE: CONTACT CHEMTREC (24 hr) +(41) 22 58 004 8213 (day phone); BELGIUM: Centre Antipoison/ Antigifcentrum: 070/245.245 BENELUX FR: Centre Antipoison 070/245.245, Chemtrec: +(32)-28083237; BULGARIA: +359 32 570 104; CZECH REPUBLIC: Chemtrec +(420)-228880039; DENMARK: Alarmcentralen, telefon 112 (Giftlinjen: 82 12 12 12): ESTONIA: +372 668 1294; FINLAND: Myrkytystietokeskus, Puhelin 09-471 977: FRANCE: Chemtrec +(33)-975181407; N° d'appel d'urgence Orfila : 01 45 42 59 59; GERMANY: Chemtrec 0800-181-7059; +49 (0) 6131-232466 (24h); GREECE: Τηλ. Κέντρου Δηλητηριάσεων: 210-7793777; HUNGARY: Chemtrec +(36)-18088425; 06 80 20 11 99; IRELAND: 1800 509 497; ITALY: Chemtrec 800-789-767; Numero di emergenza: 06 50971; LATVIA: Ārkārtas situācijās zvanīt uz Saindēšanās informācijas centru - tel. 67042473; LITHUANIA: +370 5 214 0238; NETHERLANDS: Chemtrec +(31)-858880596; Nationaal Vergiftigingen Informatie Centrum: Tel. 030 - 2748888 (Uitsluitend voor een behandelde arts bereikbaar in geval van accidentele vergiftigingen); NORWAY: Nødnummer: 113 (Giftinformasjonssentralen, telefon 22 59 13 00) POLAND: Chemtrec +(48)-223988029; tel. alarmowy 112 lub 801 25 88 25 (poniedziałek – piątek, godz. 8:30 -17); PORTUGAL: Tel. emergência CIAV: 808 250 143; RUSSIA Chemtrec 8-800-100-6346; ROMANIA: 021 3183606 SLOVAKIA: Toxikologické informačné centrum +421 2 5477 4166; SPAIN: Chemtrec +34-931768545; 91. 722. 21.00; SWEDEN: Chemtrec +(46)-852503403; Giftinformationscentralen, telefon 112.; SWITZERLAND: 145 (24h); TURKEY: 0 800 261 63 65 – 0 216 463 80 00 (Mesai günleri saat 09.00 ile 17.00 arasında ulaşabilirsiniz.) Ulusal Zehir Merkezi: 114; UK: Chemtrec +44 20 3807 3798; 0800 328 8304

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 1 - (H318)

2.2. Label elements

Contains Citric Acid, Trideceth-n, PEG/PPG-10/2 Propylheptyl Ether, 4-tert-Butylcyclohexyl Acetate



Signal word
Danger

Hazard statements
H318 - Causes serious eye damage

Precautionary Statements - EU (§28, 1272/2008)
P280 - Wear protective gloves/protective clothing/eye protection/face protection
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 or doctor/physician
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available.

Endocrine Disruptor Information There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

SECTION 3: Composition/information on ingredients

3.1 Substances
Not applicable

3.2 Mixtures

Chemical name	CAS No	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Citric Acid	77-92-9	>30	01-2119457026-42	201-069-1	Eye Irrit. 2(H319) STOT SE 3(H335)	-	-	-
Trideceth-n	69011-36-5	1 - 5	No data available	Polymer	Eye Dam. 1(H318)	-	-	-
PEG/PPG-10/2 Propylheptyl Ether	166736-08-9	1 - 5	No data available	Polymer	Acute Tox. 4 (Oral)(H302) Eye Dam. 1(H318)	-	-	-
4-tert-Butylcyclohexyl Acetate	32210-23-4	<1	01-2119976286-24	250-954-9	Skin Sens. 1B(H317)	-	-	-

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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact Get immediate medical advice/attention. 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.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. Do not induce vomiting without medical advice.

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 Burning sensation.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. 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

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 cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Powdered material may form explosive dust-air mixtures. Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 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.

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

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Citric Acid	-	TWA: 4 mg/m³	-	-	-
Chemical name	**France**	**Germany**	**Germany DFG**	**Greece**	**Hungary**
Citric Acid	-	TWA: 2 mg/m³	TWA: 2 mg/m³ Peak: 4 mg/m³	-	-
Chemical name	**Sweden**	**Switzerland**	**United Kingdom**	**Israel - Occupational Exposure Limits - TWAs**	**Turkey**
Citric Acid	-	TWA: 2 mg/m³ STEL: 4 mg/m³	-	-	-

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) Long term.

Chemical name	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Hydrated Silica	-	4 mg/m³	-	-

Chemical name	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic
Citric Acid	25 mg/kgbw.d	87 mg/m³	1250 mg/kgbw.d

Predicted No Effect Concentration (PNEC)

Chemical name	Fresh Water	Marine water	Intermittent release
Citric Acid	0.44 mg/L	0.044 mg/L	-
4-tert-Butylcyclohexyl Acetate	0.053 mg/L	0.053 mg/L	0.053 mg/L

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	Air	Oral
Citric Acid	34.6 mg/kg sediment dw	3.46 mg/kg sediment dw	1 000 mg/L	33.1 mg/kg soil dw	-	-
4-tert-Butylcyclohexyl Acetate	2.01 mg/kg sediment dw	0.21 mg/kg sediment dw	12.2 mg/L	0.42 mg/kg soil dw	-	-

8.2. Exposure controls

Personal Protective Equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves. Wear suitable gloves.

Skin and body protection Wear suitable protective 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 considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid
Appearance dual-phase pouch: speckled powder with liquid top colored
Color No information available
Odor Pleasant
Odor threshold Not available. This product doesn't have substances deriving inhalation health risk

Property	Values	Remarks • Method
Melting point / freezing point	No data available	Not available. This property is not relevant for the safety and classification of this product
Initial boiling point and boiling range	No data available	Not applicable. This property is not relevant for solid product forms
Flammability		Not available. This property is not relevant for the safety and classification of this product
Flammability Limit in Air		No Data Available
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point		Not applicable. This property is not relevant for solid product forms
Autoignition temperature	No data available	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	No Data Available	Not available. This property is not relevant for the safety and classification of this product
pH	No data available	Not applicable. This property is not relevant for solid product forms
Dynamic viscosity	No Data Available	Not applicable

Water solubility	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Solubility(ies)	Soluble in water	None known
Partition coefficient	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	No Data Available	Not applicable. This property is not relevant for solid product forms
Relative density	No Data Available	Not available. This property is not relevant for the safety and classification of this product
Relative vapor density	No data available	Not applicable. This property is not relevant for solid product forms
Particle characteristics		Not available. This property is not relevant for the safety and classification of this product
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regard to physical hazard classes
No information available

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity No dangerous reactions known.

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
Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid
Conditions to avoid None known based on information supplied.

10.5. Incompatible materials
Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products
Hazardous decomposition products None known based on information supplied.

SECTION 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

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness.

Numerical measures of toxicity

Acute toxicity

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

ATEmix (oral) 72,213.70 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Citric Acid	5400 mg/kg bw (OECD 401)	> 2000 mg/kg bw	-
Trideceth-n	>300-2000 mg/kg bw	> 2000 mg/kg bw (OECD 402)	> 1.6 mg/L (Rat) 4 h
PEG/PPG-10/2 Propylheptyl Ether	> 300 - 2000 mg/kg (OECD 423)	-	-
Vertenex	3323 mg/kg (rat)	5001 mg/kg (rabbit)	-

Chemical name	Carcinogenicity	Species	Eye Damage	Species	Developmental toxicity	Species	Mutagenicity	Species
Citric Acid	-	-	Y (OECD 405)	-	-	-	-	-
Trideceth-n	-	-	Y (100%; OECD 405)	-	-	-	-	-
PEG/PPG-10/2 Propylheptyl Ether	-	-	Y (OECD 405)	-	-	-	-	-

Chemical name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species
Trideceth-n	-	-	Y (100%; OECD 404)	-	-	-

Chemical name	Skin sensitization	Species	STOT - single exposure	Target Organs	Species	STOT - repeated exposure	Target Organs	Species	Aspiration hazard
4-tert-Butylcyclohexyl Acetate	Y (OECD 429)	-	-	-	-	-	-	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes burns.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

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.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Unknown aquatic toxicity Contains 0.27605 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Citric Acid	-	440 mg/L (OECD 203; Leuciscus idus melanotus; 48 h)	-	1535 mg/L (Daphnia magna; 24 h)
Trideceth-n	10 mg/l	10 mg/l	-	10 mg/l
Vertenex	22 mg/L (EU Method C.3; Desmodesmus subspicatus; 72 h)	8.6 mg/L (EU Method C.1; Cyprinus Carpio; semi-static; freshwater; criteria: mortality; 96 h)	302 mg/L (EU Method C.11; activated sludge of a predominantly domestic sewage; 3 h)	5.3 mg/L (OECD 202; Daphnia magna; 48 h)

Chronic Toxicity

Chemical name	Toxicity to algae (NOEC or ECx)*	Toxicity to fish (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*	Toxicity to other organisms
Citric Acid	425 mg/L (Scenedesmus quadricauda; 8 d)	-	-	-	> 4000 mg/kg bw (Guideline not indicated; Gallus domesticus; 14 d)

12.2. Persistence and degradability
Persistence and degradability

Chemical name	Ready Biodegradation Test (OECD 301)	Abiotic Degradation Hydrolysis	Abiotic Degradation Photolysis	Biodegradation Other Tests
Citric Acid - 77-92-9	97% ; CO2; 28 d; OECD 301 B	-	-	93 % (OECD 303 A; aerobic; sludge from a communal sewage treatment plant; COD removal)
Trideceth-n - 69011-36-5	>60%	-	-	-
Vertenex - 32210-23-4	75%CO2; EU Method C.4-C; 29 d	-	-	-

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Citric Acid	-1.72
4-tert-Butylcyclohexyl Acetate	4.8

Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Citric Acid	-1.55	3.2 L/kg
4-tert-Butylcyclohexyl Acetate	4.8 (OECD 117)	334.6 L/kg

12.4. Mobility in soil

Mobility in soil No information available.

Chemical name	log Koc
4-tert-Butylcyclohexyl Acetate	> 3243 - < 4603 L/kg (OECD 121)

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Citric Acid	The substance is not PBT / vPvB
Trideceth-n	The substance is not PBT / vPvB
4-tert-Butylcyclohexyl Acetate	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations. The waste codes/waste designations below are in accordance with EWC.

Contaminated packaging Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV 07 06 01

SECTION 14: Transport information

IATA

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es) Not regulated

14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	

IMDG

14.1 UN number or ID number	Not regulated
14.2	
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	Not regulated
14.2	
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2	
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADN

14.1 UN number or ID number	Not relevant
14.2	
14.3 Transport hazard class(es)	No information available
14.4 Packing group	Not relevant
14.5 Marine pollutant	Not regulated

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Germany

Water hazard class (WGK)	slightly hazardous to water (WGK 1)

Poland

Announcement of the Speaker of the Sejm of the Republic of Poland of 13 April 2018 regarding the publication of a uniform text of the Act - Labor Code (Journal of Laws 2018, item 917, as amended).Announcement of the Speaker of the Sejm of the Republic of Poland of March 15, 2019 regarding the publication of a uniform text of the Act on Waste (Journal of Laws 2019 item 701, as amended).Regulation of the Minister of Development of 7 July 2016, repealing the Regulation on specific requirements for certain products due to their negative environmental impact (Journal of Laws of 2016, item 1099, as amended).Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 regarding the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286 with subsequent amendments).

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.

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Citric Acid	75.	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

Plant protection products directive (91/414/EEC)

EU - Biocides

Chemical name	EU - Biocides
Citric Acid - 77-92-9	Product-type 1: Human hygiene

15.2. Chemical safety assessment

Chemical Safety Report No chemical safety assessment has been carried out for this mixture per REACH regulation.

SECTION 16: Other information

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

Full text of H-Statements referred to under section 3
H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Serious eye damage/eye irritation	Calculation method

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Further information Salts listed in Section 3 without a REACh Registration number are exempt, based on Annex V.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
Disclaimer

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.

End of Safety Data Sheet