SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Bunzl 5 Industry
Product no.
84
REACH registration number
Not applicable
Other means of identification

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

Relevant identified uses of the substance or mixture
Acidic foam cleaner for use in food preparation companies.
Uses advised against
-
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
Bunzl A/S
Greve Main 30
2670 Greve
Tlf: 77403300
Contact person
Mette Borg
E-mail
mb@iduna.dk
SDS date
18-05-2015
SDS Version
1.0

1.4. Emergency telephone number

Use your national or local emergency number
See section 4 “First aid measures”

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1B // H314
See full text of H/R-phrases in section 2.2.
DPD/DSD Classification
Corrosive (C).
Causes burns (R34).

2.2. Label elements

Hazard pictogram(s)

Signal word
Danger!
Hazard statement(s)
Causes severe skin burns and eye damage. (H314)

Safety statement(s)	General	-
	Prevention	Do not breathe mist/vapours/spray. (P260) Wear protective gloves/protective clothing/eye protection/face protection. (P280)
	Response	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
	Storage	Store locked up. (P405)
	Disposal	Dispose of contents/container to an approved waste disposal plant. (P501)

Identity of the substances primarily responsible for the major health hazards

ortho phpsphoric acid

2.3. Other hazards

Additional labelling

-

Additional warnings

Note: The classification of the product is valid only in concentrated form. By dilution with water, the classification will, depending on the dosing rate, either be canceled or significantly reduced

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME:	ortho phpsphoric acid
IDENTIFICATION NOS.:	CAS-no: 7664-38-2 EC-no: 231-633-2 Index-no: 015-011-00-6
CONTENT:	25-40%
DSD CLASSIFICATION:	C; R34
CLP CLASSIFICATION:	Skin Corr. 1B H314

NAME:	citric acid
IDENTIFICATION NOS.:	CAS-no: 5949-29-1 EC-no: 201-069-1 REACH-no: 01-2119457026-42-xxxx
CONTENT:	5-15%
DSD CLASSIFICATION:	Xi;R36
CLP CLASSIFICATION:	Eye Irrit. 2 H319

NAME:	2-(2-butoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44-xxxx Index-no: 603-096-00-8
CONTENT:	1-5%
DSD CLASSIFICATION:	Xi; R36
CLP CLASSIFICATION:	Eye Irrit. 2 H319

(*) See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

Other informations

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.Contact a physician, if there is doubt about the injured persons condition, or the symptoms continuous. Do not ever give the unconscious person water or alike.

Inhalation

Place the injured person in fresh air. Make sure to watch the injured person. Prevent chock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth. If unconscious, put the injured person into the natal-position. Call for an ambulance.

Skin contact

Remove contaminated clothing and shoes. If there has been contact to some skin, wash is thoroughly with water and soap. Skin cleansing remedies can be used.

Eye contact

Remove contact lenses. Flush eyes with water (20-30 °C) for at least 15 minutes. Contact a physician.

Ingestion

Give the person plenty to drink and keep the person under watch. If fainting: Contact a physician immediately and bring along this security datasheet or the label from the product. Do not induce vomiting, unless recommended by the physician. Lower the persons head, so that vomit do not run back into the mouth or throat.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Tissue damaging effects: This product contains substances which are etching. Damage on lungs, an irritation, and burn in the respiratory system as well as a cough occurs in case that damp or aerosols are inhaled. Etching substances causes irreversible damage to the eyes. Will cauterize the skin.

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

Non specific.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommendation: alcohol resistant foam, carbonic acid, powder, fog. Usage of a water beam is forbidden, since it can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product gets exposed to high temperature, as in case of a fire, dangerous demolition products gets created. These are: Carbon oxides. A thick black fog will develop in case of fire. If delaying the decomposition products, a danger to ones health is at risk. Fire fighters should use proper protection gear. A closed container, which is exposed to fire, should be cooled with water. Do not allow the water from the fire extinction run into sewer systems and water streams.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of damps from wasted substances.

6.2. Environmental precautions

No specific demands.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. If possible, clean with cleaning supplies. Solvents should be avoided.

6.4. Reference to other sections

See section 13 regarding handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, consumption of food and liquids as well as storage of tobacco, foods and liquids is not allowed in the room. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in the same container as the original material. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

Frost-free

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No data available

DNEL / PNEC

DNEL (2-(2-butoxyethoxy)ethanol): 14 ppm - Exposure: Inhalation - Duration: Short term – Local effects - Workers
DNEL (2-(2-butoxyethoxy)ethanol): 20 mg/kg uge/dag - Exposure: Dermal - Duration: Long term – Systemic effects - Workers
DNEL (2-(2-butoxyethoxy)ethanol): 10 ppm - Exposure: Inhalation - Duration: Long term – Systemic effects - Workers
DNEL (2-(2-butoxyethoxy)ethanol): 10 ppm - Exposure: Inhalation - Duration: Short term – Local effects - Workers
DNEL (2-(2-butoxyethoxy)ethanol): 7,5 mg/m3 - Exposure: Inhalation - Duration: Short term – Local effects - Workers

PNEC (2-(2-butoxyethoxy)ethanol): 1 mg/l - Exposure: Freshwater
PNEC (2-(2-butoxyethoxy)ethanol): 0,1 mg/l - Exposure: Marine water
PNEC (2-(2-butoxyethoxy)ethanol): 4 mg/l - Exposure: Freshwater sediment
PNEC (2-(2-butoxyethoxy)ethanol): 0,4 mg/l - Exposure: Marine water sediment
PNEC (2-(2-butoxyethoxy)ethanol): 200 mg/l - Exposure: Sewage Treatment Plant

8.2. Exposure controls

In case the product is used in a standard fashion, no control is necessary.

General recommendations

Observe general occupational hygiene.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

No limits on explosion exits, for the content of the substances in this product.

Appropriate technical measures

Hygiene measures

When taking breaks, while using this product, and when work sub seeds, all exposed areas of the body has to be washed.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Only CE-marked personal protection equipment should be used. Use only CE marked protective equipment.

Respiratory Equipment

At risk of aerosols: Recommended: S/SL, P2 , White

Skin protection

specific work clothing should be used. When working with this product for a longer period of time, use protection gear.

Hand protection

When handling the concentrate: Recommended:Nitrile rubber. Breakthrough time: >480 min (class 6)

Eye protection

When handling the concentrate:. Use safety glasses with a side shield

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm3)
Liquid	Colourless	Sour	0,9	-	1,16

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-

Explosion limits (Vol %)	Oxidizing properties
-	-

Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

9.2. Other information

Solubility in fat	Additional information
-	N/A

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
The product is stable under the conditions, noted in section 7.

10.3. Possibility of hazardous reactions
Non specific.

10.4. Conditions to avoid
Overpressure develops, when exposed to heating (e.g.. sunlight).

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
citric acid	Rat	LD50	Oral	5400 mg/kg
citric acid	Rat	LD50	Dermal	>2.000 ng/kg
2-(2-butoxyethoxy)ethanol	Rat	LD50	Oral	>2000 mg/kg
ortho phpsphoric acid	Rat	LD50	Oral	2600 mg/kg
ortho phpsphoric acid	Rat	LC50	Inhalation	1,69 mg/l
ortho phpsphoric acid	Rabbit	LD50	Dermal	2,740 mg/kg

Skin corrosion/irritation
Causes severe skin burns and eye damage.

Serious eye damage/irritation
Causes serious eye damage.

Respiratory or skin sensitisation
No data available. Data on substance: Cocamidopropyl Dimethylamine
Test: OECD Guideline 406
Organism: -
Result: ikke sensbiliserende

Germ cell mutagenicity
No data available.

Carcinogenicity
Data on substance: Cocamidopropyl Dimethylamine

Reproductive toxicity
Data on substance: Cocamidopropyl Dimethylamine

Data on substance: ortho phpsphoric acid
Organism: Rat
Result: >=500 mg/kg
No adverse effect observed.

STOT-single exposure
No data available.

STOT-repeated exposure
Data on substance: Cocamidopropyl Dimethylamine

Aspiration hazard
No data available.

Long term effects
Tissue damaging effects: This product contains substances which are etching. Damage on lungs, an

irritation, and burn in the respiratory system as well as a cough occurs in case that damp or aerosols are inhaled. Etching substances causes irreversible damage to the eyes. Will cauterize the skin.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Test duration	Result
citric acid	Daphnia	EC50	72h	1535 mg/l
citric acid	Fish	LC50	96h	440
2-(2-butoxyethoxy)ethanol	Fish	LC50		>100 mg/l
2-(2-butoxyethoxy)ethanol	Algae	EC50		>100 mg/l
ortho phpsphoric acid	Fish	LC50	96h	138 mg/l
ortho phpsphoric acid	Fish	NOEC	72h	100 mg/l
ortho phpsphoric acid	Daphnia	EC50	48h	100 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
citric acid	Yes	CO2 Evolution Test	97 %
2-(2-butoxyethoxy)ethanol	Yes	Closed Bottle Test	76%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
citric acid	No	-1,64	No data available
2-(2-butoxyethoxy)ethanol	No	0,56	No data available

12.4. Mobility in soil

citric acid: Log Koc= -1,220316, Calculated from LogPow (). 2-(2-butoxyethoxy)ethanol: Log Koc= 0,521864, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Non specific.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product should be treated as dangerous waste.

Waste

EWC code

20 01 14

Specific labelling

-

Contaminated packing

Get at once rid of wrappings, which contains leftovers from the product (the same way as the product).

SECTION 14: Transport information

Non dangerous goods, referring to ADR and IMDG.

14.1 – 14.4

ADR/RID	**14.1. UN number**	**14.2. UN proper shipping name**	**14.3. Transport hazard class(es)**		**14.4. Packing group**		**Notes**
IMDG	**UN-no.**	**Proper Shipping Name**	**Class**	**PG***	**EmS**	**MP****	**Hazardous constituent**
IATA/ICAO	**UN-no.**	**Proper Shipping Name**	**Class**	**PG***			

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC

Demands for specific education

-

Additional information

-

Sources

EC regulation 1907/2006 (REACH)
Directive 2000/532/EC
EC Regulation 1272/2008 (CLP)

15.2. Chemical safety assessment

No

SECTION 16: Other information'

Full text of H/R-phrases as mentioned in section 3

R34 - Causes burns.
R36 - Irritating to eyes.
H314 - Causes severe skin burns and eye damage.
H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

Other symbols mentioned in section 2

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

mb

Date of last essential change
(First cipher in SDS version)

-

Date of last minor change
(Last cipher in SDS version)

-