



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

Tchibo Cleaning tablets

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

1.1. Product identifier

Product name	Tchibo Cleaning tablets
Product code	70050-8F
Unique formula identifier (UFI)	T71K-V01N-Q20U-PM8F

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

Use of the Substance/Mixture	Cleaning tablets for coffee machines.
Uses advised against	The product (mixture) should not be used in combination with other cleaning/descaling agents.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	Düring AG Langwiesenstrasse 1 CH-8108 Dällikon Telefon +41 44 847 27 49 www.duringag.ch www.durgol.com
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Distributor/Importer (EU):
Düring trade GmbH
Bösendorferstrasse 7
AT-1010 Wien

1.4. Emergency telephone number	Tox Info Suisse: 145 (international +41 44 251 51 51)
Revision date	13.11.2025
Version	2

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Serious eye damage/eye irritation, Cat. 1, H318

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word

Danger

Hazard Statements

H318: Causes serious eye damage.

Precautionary statements

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read carefully and follow all instructions.

P280: Wear protective gloves, eye protection and 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.

Supplemental information

None.

Product identifier

Sodium carbonate peroxohydrate, CAS-No. 15630-89-4
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts, CAS-No. 85586-07-8

Contents of package < 125 ml



Danger

H318: Causes serious eye damage.

P280: Wear protective gloves and eye protection.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components	Weight %	CLP Classification	Product identifier
Sodium carbonate	30% - 50%	Eye Irrit. 2 H319	CAS-No.: 497-19-8 EC-No.: 207-838-8 Index-No: 011-005-00-2
Sodium carbonate peroxohydrate	15% - 25%	Acute Tox. 4 H302, Eye Dam. 1 H318, Ox. Sol. 2 H272	CAS-No.: 15630-89-4

citric acid	15% - 25%	Eye Irrit. 2 H319, STOT SE 3 H335	CAS-No.: 77-92-9 EC-No.: 201-069-1 Index-No: 607-750-00-3
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	2,5% - 5%	Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3 H412	CAS-No.: 85586-07-8
Alcohol C16-18 + 25 EO	2,5% - 5%	Eye Irrit. 2 H319	CAS-No.: 68439-49-6

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Call a physician or poison control centre immediately.
Skin contact	Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Eye contact	Protect unharmed eye. Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Consult an ophthalmologist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed Get medical advice/ attention if you feel unwell. Most important symptoms: Erythema. Anticipated acute effects: Superficial burning sensation. Blurred vision.

4.3. Indication of any immediate medical attention and special treatment needed This product contains Peroxide.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.
Unsuitable extinguishing media	High volume water jet.

5.2. Special hazards arising from the substance or mixture During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters	Standard procedure for chemical fires.
Specific methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/dust.
For emergency responders	Use personal protective equipment. Do not breathe vapours/dust. Ventilate the area. Immediately evacuate personnel to safe areas.

6.2. Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up Keep in suitable and closed containers for disposal (Plastic container of HDPE).

6.4. Reference to other sections See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Wear personal protective equipment. Plan first aid action before beginning work with this product. Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided.
7.2. Conditions for safe storage, including any incompatibilities	Store in a place accessible by authorized persons only. Keep container tightly closed. Store in original container.
7.3. Specific end use(s)	No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)	No data is available on the product itself.
Sodium carbonate (CAS 497-19-8)	
Belarus - Occupational Exposure Limits - Harmful Substances - Class 3 - Moderately Dangerous Substances	Present
Belarus - Occupational Exposure Limits - Harmful Substances - Skin Notations	Skin notation (source uses CAS 7542-12-3)

Belarus - Occupational Exposure Limits - MACs	2 mg/m3 MAC (aerosol)
Czech Republic - Occupational Exposure Limits - Ceilings	10 mg/m3 Ceiling
Czech Republic - Occupational Exposure Limits - Irritants	Irritant
Czech Republic - Occupational Exposure Limits - TWAs	5 mg/m3 TWA
Romania - Occupational Exposure Limits - STELs	3 mg/m3 STEL
Romania - Occupational Exposure Limits - TWAs	1 mg/m3 TWA
Sodium carbonate peroxohydrate (CAS 15630-89-4)	
Belarus - Occupational Exposure Limits - Harmful Substances - Class	Present
3 - Moderately Dangerous Substances	
Belarus - Occupational Exposure Limits - MACs	2 mg/m3 MAC (aerosol)
citric acid (CAS 77-92-9)	
Belarus - Occupational Exposure Limits - Harmful Substances - Class	Present
3 - Moderately Dangerous Substances	
Belarus - Occupational Exposure Limits - MACs	1 mg/m3 MAC (aerosol)
Switzerland - Occupational Exposure Limits - Developmental Risk Groups	Developmental Risk Group C
Switzerland - Occupational Exposure Limits - STELs - (KZGWs)	4 mg/m3 STEL [KZGW] (inhalable dust)
Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	2 mg/m3 TWA [MAK] (inhalable dust)
Czech Republic - Occupational Exposure Limits - TWAs	4 mg/m3 TWA (dust)
Germany - DFG - Recommended Exposure Limits - Ceilings (Peak Limitations)	4 mg/m3 Peak (respirable fraction)
Germany - DFG - Recommended Exposure Limits - Pregnancy	no risk to embryo/fetus if exposure limits adhered to
Germany - DFG - Recommended Exposure Limits - TWAs (MAKs)	2 mg/m3 TWA MAK I(2) (inhalable fraction)
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	2 mg/m3 TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, inhalable fraction, 2(I))
PNEC/DNEL	
Sodium carbonate peroxohydrate (CAS 15630-89-4)	
EU - REACH (1907/2006) - Registration Data - Derived No Effect Levels (DNELs)	workers inhalation local effects long term exposure 5 mg/m3 DNEL (239-707-6) general population dermal local effects long term exposure 6.4 mg/cm2 DNEL (239-707-6) general population dermal local effects acute/short term exposure 6.4 mg/cm2 DNEL (239-707-6) workers dermal local effects long term exposure 12.8 mg/cm2 DNEL (239-707-6) workers dermal local effects acute/short term exposure 12.8 mg/cm2 DNEL (239-707-6)
EU - REACH (1907/2006) -	0.035 mg/L PNEC (freshwater, 239-707-6)

Registration Data - Predicted No Effect Concentrations (PNECs)	0.035 mg/L PNEC (marine water, 239-707-6) 0.035 mg/L PNEC (freshwater (intermittent releases), 239-707-6) 16.24 mg/L PNEC (sewage treatment, 239-707-6)
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS 85586-07-8)	
EU - REACH (1907/2006) - Registration Data - Derived No Effect Levels (DNELs)	general population oral systemic effects long term exposure 24 mg/kg bw/day DNEL (287-809-4) general population inhalation systemic effects long term exposure 85 mg/m3 DNEL (287-809-4) workers inhalation systemic effects long term exposure 285 mg/m3 DNEL (287-809-4) general population dermal systemic effects long term exposure 2440 mg/kg bw/day DNEL (287-809-4) workers dermal systemic effects long term exposure 4060 mg/kg bw/day DNEL (287-809-4)
EU - REACH (1907/2006) - Registration Data - Predicted No Effect Concentrations (PNECs)	0.131 mg/L PNEC (freshwater, 287-809-4) 0.0131 mg/L PNEC (marine water, 287-809-4) 0.036 mg/L PNEC (freshwater (intermittent releases), 287-809-4) 4.61 mg/kg sediment dw PNEC (sediment (freshwater), 287-809-4) 0.461 mg/kg sediment dw PNEC (sediment (marine water), 287-809-4) 1.35 mg/L PNEC (sewage treatment, 287-809-4) 0.846 mg/kg soil dw PNEC (soil, 287-809-4)
Alcohol C16-18 + 25 EO (CAS 68439-49-6)	
EU - REACH (1907/2006) - Registration Data - Predicted No Effect Concentrations (PNECs)	4.2 mg/L PNEC (sewage treatment, 939-518-5) 0.002845 mg/L PNEC (freshwater, 939-518-5) 0.002845 mg/L PNEC (marine water, 939-518-5) 0.1 mg/L PNEC (freshwater (intermittent releases), 939-518-5) 68.3 mg/kg sediment dw PNEC (sediment (freshwater), 939-518-5) 68.3 mg/kg sediment dw PNEC (sediment (marine water), 939-518-5) 1 mg/kg soil dw PNEC (soil, 939-518-5)

8.2. Exposure controls

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Regular cleaning of equipment, work area and clothing.
Personal protection equipment	
<i>Respiratory protection</i>	No special protective equipment required.
<i>Hand protection</i>	The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it.
<i>Eye protection</i>	Safety glasses.
<i>Skin and body protection</i>	Long sleeved clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
<i>Thermal hazards</i>	No special measures required.
Environmental exposure controls	No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Colour	Colourless.
Odour	None.
Melting point/ freezing point:	Not applicable
Boiling point or initial boiling point / range:	Not applicable
Flammability:	Not determined.
Lower and upper explosion limit:	None.
Flash point:	Not determined.
Auto-ignition temperature:	None.
Decomposition temperature:	Not determined.
pH:	ca. 9.6
Kinematic viscosity:	Not determined.
Solubility:	soluble (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	Not determined.
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

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	No information available.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Burning produces obnoxious and toxic fumes.
10.5. Incompatible materials	Corrodes base metals.
10.6. Hazardous decomposition products	None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed. Sodium carbonate (CAS 497-19-8)
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	Dermal LD50 Rabbit > 2000 mg/kg (ECHA) Inhalation LC50 Rat = 2300 mg/m ³ 2 h(ECHA_API) Oral LD50 Rat = 4090 mg/kg (NLM_HSDB) Sodium carbonate peroxohydrate (CAS 15630-89-4) Dermal LD50 Rabbit > 2000 mg/kg (OECD_SIDS) Oral LD50 Rat = 1034 mg/kg (OECD_SIDS) citric acid (CAS 77-92-9) Dermal LD50 Rat > 2000 mg/kg (EU_CLH) Oral LD50 Rat = 3 g/kg (NLM_CIP) Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS 85586-07-8) Oral LD50 Rat 500 - 2000 mg/kg (ECHA) Alcohol C16-18 + 25 EO (CAS 68439-49-6) Dermal LD50 Rabbit 2000 - 5000 mg/kg (AICIS) Oral LD50 Rat = 1260 mg/kg (NLM_CIP)
Skin corrosion/irritation	Mild skin irritation.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitisation	None.
Carcinogenicity	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - Single exposure	No data available.
Specific target organ toxicity - Repeated exposure	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

11.2. Information on other hazards

Endocrine disrupting properties	No data available.
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	No data is available on the product itself. May change pH of waters.
Sodium carbonate (CAS 497-19-8)	
Ecotoxicity - Freshwater Fish -	LC50 96 h Lepomis macrochirus 300 mg/L [static] (EPA)
Acute Toxicity Data	LC50 96 h Pimephales promelas 310 - 1220 mg/L [static] (EPA)
Ecotoxicity - Water Flea - Acute	EC50 48 h Daphnia magna 265 mg/L (IUCLID)
Toxicity Data	
Sodium carbonate peroxohydrate (CAS 15630-89-4)	
Ecotoxicity - Freshwater Fish -	LC50 96 h Pimephales promelas 70.7 mg/L [static]

Acute Toxicity Data	
Ecotoxicity - Water Flea - Acute Toxicity Data	EC50 48 h Daphnia pulex 4.9 mg/L (IUCLID)
citric acid (CAS 77-92-9)	
EU - Ecolabel (66/2010) - Detergent Ingredient Database - Aerobic Degradation	Readily biodegradable according to OECD guidelines.
EU - Ecolabel (66/2010) - Detergent Ingredient Database - Anaerobic Degradation	Biodegradable under anaerobic conditions.
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Lepomis macrochirus 1516 mg/L (OECD_SIDS)
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS 85586-07-8)	
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Brachydanio rerio 10 - 100 mg/L [static] (IUCLID)
Ecotoxicity - Water Flea - Acute Toxicity Data	LC50 96 h Pimephales promelas 2.5 mg/L (IUCLID)
EC50 48 h Daphnia magna 2.8 mg/L (IUCLID)	
Environmental Fate - Biodegradation in Water	90 - 100 % 28 d degradation (O2 consumption) OECD Guideline 301 D (Closed Bottle Test) (ECHA_API)
Alcohol C16-18 + 25 EO (CAS 68439-49-6)	
EU - Ecolabel (66/2010) - Detergent Ingredient Database - Aerobic Degradation	Readily biodegradable according to OECD guidelines. (listed under Alcohol ethoxylate (C16-18, DID no 037 2-8 ethoxylated units, DID no 038 >9-18 ethoxylated units, DID no 038 20-30 ethoxylated units))
	Inherently biodegradable according to OECD guidelines. (listed under Alcohol ethoxylate (C16-18, >30 ethoxylated units))
EU - Ecolabel (66/2010) - Detergent Ingredient Database - Anaerobic Degradation	Biodegradable under anaerobic conditions. (listed under Alcohol ethoxylate (C16-18, DID no 037 2-8 ethoxylated units, DID no 038 >9-18 ethoxylated units, DID no 038 20-30 ethoxylated units, DID no 040 >30 ethoxylated units))
Environmental Fate - Biodegradation in Water	"72 % 28 d degradation (CO2 evolution) OECD Guideline 301 B (CO2 Evolution Test) (ECHA_API)" As Alcohols, C16-20, ethoxylated [106232-82-0]
12.2. Persistence and degradability	Expected to be biodegradable.
12.3. Bioaccumulative potential	Bioaccumulation is unlikely.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
12.6. 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	Dispose of in accordance with local regulations. 160904 - oxidising substances, not otherwise specified
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Contaminated packaging

Dispose of as unused product. Offer rinsed packaging material to local recycling facilities.

SECTION 14: Transport information

14.1. UN number or ID number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.
14.4. Packing group	Not applicable.
14.5. Environmental hazards	Not applicable.
14.6. Special precautions for user	Not applicable.
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.

UN Model Regulations

ADR/RID	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.
Further Information	None.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulatory Information	None.
Sodium carbonate (CAS 497-19-8)	
Switzerland - Water Protection Ordinance - Water Polluting Liquids Classification	B (solution)
EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See entry 75.
EU - REACH (1907/2006) - List of Registered Intermediates	Present ([207-838-8])
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 222, hazard class 1 - slightly hazardous to water (footnote 1)
Sodium carbonate peroxohydrate (CAS 15630-89-4)	
Switzerland - Biocides - Annex II - Active Substances - Minimum	85.1 w/w% Sunset Date: 12/31/2028 (listed under Peracetic acid)

Purity	
EU - Biocides (528/2012/EU) - Active Substances	2 - Disinfectants and algacides not intended for direct application to humans or animals (Commission Implementing Regulation 2017/1276/EU Commission Implementing Regulation 2025/718/EU, listed under Peracetic acid generated from tetraacetylenediamine and sodium percarbonate) 3 - Veterinary hygiene (Commission Implementing Regulation 2017/1276/EU Commission Implementing Regulation 2025/718/EU, listed under Peracetic acid generated from tetraacetylenediamine and sodium percarbonate) 4 - Food and feed area disinfectant (Commission Implementing Regulation 2017/1276/EU Commission Implementing Regulation 2025/718/EU, listed under Peracetic acid generated from tetraacetylenediamine and sodium percarbonate) Present ([239-707-6])
EU - REACH (1907/2006) - List of Registered Intermediates	Present
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 1364, hazard class 1 - slightly hazardous to water
citric acid (CAS 77-92-9)	
Switzerland - Biocides - Annex II - Active Substances - Minimum Purity	995 g/kg Sunset Date: 02/28/2028
Switzerland - Biocides - Annex II - Active Substances - Product Type	Product Type: 2
Switzerland - Chemical Risk Reduction Ordinance - Prohibited and Restricted Substances	"Use restricted. See annex 2.12 in the regulation (in liquid phase or solution)" As Acids [RR-08658-8]
EU - Biocides (2007/565/EC) - Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC	Product type: 2 Product type: 3
EU - Biocides (528/2012/EU) - Active Substances	2 - Disinfectants and algacides not intended for direct application to humans or animals (Commission Implementing Regulation 2016/1938/EU) 6 - Preservatives for products during storage (Commission Delegated Regulation 2021/407/EU) Use restricted. See entry 75.
EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See entry 75.
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 11453, hazard class 1 - slightly hazardous to water
UNEP (United Nations Environment Programme) - Basel Convention - Hazardous Wastes - Annex I	"Y34 (solid or solution, listed under Acidic solutions or acids in solid form)" As Acids [RR-08658-8]
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS 85586-07-8)	
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV	Reg. no. 664, hazard class 2 - obviously hazardous to water

Classified By or Based on the
VwVwS

Alcohol C16-18 + 25 EO (CAS 68439-49-6)

EU - No-Longer Polymers List
(67/548/EEC)

NLP No. 500-212-8 (>1<2.5 mol ethoxylated units)

EU - REACH (1907/2006) - List of
Registered Intermediates

"Present (<2.5 EO, [600-724-2])" As Alcohols, C16-20 (even
numbered, linear), ethoxylated [106232-82-0]

EU - REACH (1907/2006) - List of
Registered Substances

Present

Germany - Water Classification -
Substances According to AwSV

Reg. no. 670, hazard class 2 - obviously hazardous to water

Classified By or Based on the
VwVwS

**15.2. Chemical safety
assessment**

Not required.

SECTION 16: Other information

**Key or legend to abbreviations
and acronyms**

None.

**Full text of phrases referred to
under sections 2 and 3**

H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

Further information

Take notice of the directions of use on the label.

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.