

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

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Indication of changes : §2.1 - §2.2 - §3 - §4.1 - §4.2 - §8.2 - §11.1

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

1.1. Product identifier

Safety Data Sheet : 32567
Product code : 4219 400 51741
Product name: : ACC GAG TABLETS BLISTER 1 UNIT NEW; RI9125/60
Trade name/designation : GAGGIA COFFEE CLEAN

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

Relevant identified uses : Cleaning agent
Uses advised against : No information available.

1.3. Details of the supplier of the safety data sheet

Supplier : DAP B.V.
Tussendiepen 4a
9206AD Drachten
The Netherlands
Telephone :
Responsible for the compilation of the SDS on behalf of the supplier/ manufacturer : hazcom@philips.com

1.4. Emergency telephone number

Emergency telephone number (regarding transport of DG) : +31 (0)497-598315

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation Category 2 H319

2.1.2. Additional information

Full text of H- and EUH-statements: see section 16.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word : Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.
P280.3 Wear eye/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.
P337+P313 If eye irritation persists: Get medical advice/attention.

Hazardous ingredients : not applicable

Remarks on labelling none.

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixture

Substance name	CAS No.	EC No.	REACH No.	Concentration (%)	Classification according to Regulation (EC) No 1272/2008 [CLP]
SODIUM CARBONATE	497-19-8	207-838-8	01-2119485498-19	≥20.0 - <30.0	GHS07 H319 Eye Irrit. 2
SODIUM PERCARBONATE	15630-89-4	239-707-6	01-2119457268-30	≥10.0 - <25.0	GHS03 GHS05 GHS07 H272 Ox. Sol. 2 H302 Acute Tox. 4 H318 Eye Dam. 1
CITRIC ACID	77-92-9	201-069-1	01-2119457026-42	≥10.0 - <20.0	GHS07 H319 Eye Irrit. 2
SODIUM SILICATE, POWDER, MOL. RATIO: 2.6 - 3.2	1344-09-8	215-687-4	01-2119448725-31 01-2119652761-37	≥1.0 - <5.0	GHS07 H315 Skin Irrit. 2 H319 Eye Irrit. 2 H335 STOT SE 3
PHOSPHONIC ACID, (1-HYDROXYETHYLIDENE)BIS-, SODIUM SALT	29329-71-3	249-559-4	01-2119510382-52	≥1.0 - <2.5	GHS07 H302 Acute Tox. 4 H319 Eye Irrit. 2 H413 Aquatic Chronic 4

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- General information** : Transport affected person in lying position, in case of shortness of breath in half-sitting position. When in doubt or if symptoms are observed, get medical advice. Remove affected person from the danger area and lay down. Put victim at rest, cover with a blanket and keep warm. Do not leave affected person unattended. Never give anything by mouth to an unconscious person or a person with cramps.
- Following inhalation** : In case of respiratory tract irritation, consult a physician.
- Following skin contact** : In case of skin irritation, consult a physician.
- After eye contact** : Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.
- Following ingestion** : Rinse mouth thoroughly with water. Give nothing to eat or drink. Never give anything by mouth to an unconscious person or a person with cramps. Immediately call a doctor.
- Self-protection of the first aider** : First aider: Pay attention to self-protection!

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

Adverse human health effects and symptoms / Organs affected:

Under normal conditions of use no symptoms and effects are to be expected. However, deviation of the intended use may result in the following symptoms dependent on the route of exposure:

- Following inhalation** : Irritating feeling. May cause: sore throat, Cough
- Following skin contact** : Irritating feeling. May cause: redness, pain
- After eye contact** : Irritating feeling. May cause: redness, pain
- Following ingestion** : Irritating feeling. May cause: sore throat, Abdominal pain

Further information: SECTION 11: Toxicological information

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

- Notes for the doctor** : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Fire class A: - Water. - Extinguishing powder. - Water mist. - Wet chemical. - Foam.

Unsuitable extinguishing media : Carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated : sodium oxide - Phosphorus oxides - Silicon dioxide (SiO₂) - Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing. (EN 469)

5.4. Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protection equipment.

6.1.1. For non-emergency personnel

Protective equipment : Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Emergency procedures : Provide adequate ventilation.

6.1.2. For emergency responders

Personal protection equipment : Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

Suitable material for taking up: Sand. Kieselguhr. Earth.

6.3.2. For cleaning up

Avoid dust formation. Do not use a dry brush as dust clouds or static can be created. Take up mechanically. Use approved industrial vacuum cleaner for removal. Do not rinse down with water. Collect in closed and suitable containers for disposal. Clean contaminated articles and floor according to the environmental legislation.

6.3.3. Other information

not determined

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling : Provide adequate ventilation.

Measures to prevent fire : No information available.

Measures to prevent aerosol and dust generation : Provide adequate ventilation as well as local exhaust at critical locations.

Environmental precautions : Avoid release to the environment.

Advices on general occupational hygiene

: When using do not eat, drink, smoke, sniff. Take off contaminated clothing. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions : Store locked up. - Keep/Store only in original container. Keep container tightly closed. - Keep container dry. - Store in a well-ventilated place. - Keep locked up and out of reach of children.

storage temperature	: Recommended storage temperature $\geq 15 - \leq 25$ °C
Requirements for storage rooms and vessels	: No information available.
Storage class	: No information available.
Materials to avoid	: No information available.
Further information on storage conditions	: No information available.

7.3. Specific end use(s)

Recommendation	: not applicable
Industrial sector specific solutions	: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

Substance name	Limit value	Germany		Switzerland		Russia	
						mg/m ³	ppm
SODIUM CARBONATE	8 hour(s)					2	
	15 minutes						
	C						
CITRIC ACID		(inhalable dust)		(inhalable dust)			H
	8 hour(s)	2		2		1	
	15 minutes	4		4			
	C						

Source : SUVA, Dutch Health Council, 2006/15/EC, 2004/37/EC, LOLI DB, 2000/39/EC, GWBB/VLEP, Gestis, 91/322/EEC, 2017/164/EU, INRS (Fr), TRGS 905, TRGS 910, Austrian OEL Regulation, Dutch Social-Economic Council (SER), US OSHA, EU OSHA, TRGS 900, ACGIH®, 2009/161/EU

20 °C, 1013 mbar: European Union / China / South Korea

25 °C, 1013 mbar: United States / Canada / Japan

[X]: appraisal period x minutes

C: peak limitation

H: skin resorptive

S: Statutory threshold limit value

ALARA: As low as reasonably achievable (ALARA principle).

Remark Occupational exposure limit values

Avoid breathing dust. It is recommended to follow the TWA-value for inhalable dust (10 mg/m³) and respirable dust (5 mg/m³), if no community occupational exposure limits have been established.

DNEL (Derived No Effect Level (DNEL-value))

Substance name	Exposure route	DNEL worker			
		systemic		local	
		long-term	short-term	long-term	short-term
SODIUM CARBONATE	oral [mg/kg bw/day]	Not required.			
	Inhalation [mg/m ³] 00			10	
	dermal [mg/kg bw/day]				
SODIUM PERCARBONATE	oral [mg/kg bw/day]	Not required.			
	Inhalation [mg/m ³] 02			5	
	dermal [mg/cm ²]			12.8	12.8
SODIUM SILICATE, POWDER, MOL.RATIO: 2.6 - 3.2	oral [mg/kg bw/day]	Not required.			
	Inhalation [mg/m ³] 10	5.61			
	dermal [mg/kg bw/day]	1.59			
PHOSPHONIC ACID, (1-HYDROXYETHYLIDENE)BIS-, SODIUM SALT	oral [mg/kg bw/day]	Not required.			
	Inhalation [mg/m ³] 00				
	dermal [mg/kg bw/day]				

PNEC (Predicted No Effect Concentration (PNEC-value))

Substance name	aquatic, freshwater [mg/L]	aquatic, marine water [mg/L]	aquatic, intermittent release [mg/L]	sewage treatment plant [mg/L]	sediment, freshwater [mg/kg sediment dw]	sediment, marine water [mg/kg sediment dw]	soil [mg/kg soil dw]
SODIUM PERCARBONATE	0.035	0.035	0.035	16.24			
CITRIC ACID	0.44	0.044		1000	34.6	3.46	33.1
SODIUM SILICATE, POWDER, MOL.RATIO: 2.6 - 3.2	7.5	1	7.5	348			

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Safe handling: see section 7

8.2.2. Personal protection equipment

Eye/face protection : Eye glasses with side protection. DIN-/EN-Norms DIN EN 166.

Skin protection

Hand protection : Suitable material: NBR (Nitrile rubber). Butyl caoutchouc (butyl rubber). Thickness of the glove material: 0.5 mm. Suitable gloves type EN ISO 374; Breakthrough time:: > 480 min.

Body protection : Protective apron. Overall.

Respiratory protection : If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filtering Half-face mask (DIN EN 149): FFP2.

8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

8.3. Additional information

No further relevant information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: solid
Appearance	: Pellets
Colour	: white
Odour	: No information available.
Odour threshold	: No information available.
pH	: 10.0
Melting point/freezing point	: No information available.
Initial boiling point and boiling range	: No information available.
Flash point	: No information available.
Evaporation rate	: No information available.
flammability	: No information available.
Upper/lower flammability or explosive limits	
Upper explosion limit	: not applicable
Lower explosion limit	: not applicable
Vapour pressure	: not applicable
Vapour density	: No information available.
Relative density	: No information available.
Solubility(ies)	
Water	: very soluble
Partition coefficient n-octanol/water	
CITRIC ACID	: -1.57 - Source: GESTIS
PHOSPHONIC ACID, (1-HYDROXYETHYLIDENE) BIS-, SODIUM SALT	: -0.81 - Source: EaSI-Pro @ View
Auto-ignition temperature	: No information available.
Decomposition temperature	: No information available.
Viscosity	: not applicable
Explosive properties:	: not applicable
Oxidising properties	: not applicable

9.2. Other information

Critical temperature Tc	: not applicable
Fat solubility	: No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions.

10.5. Incompatible materials

alkali - Acids - Reducing agent - Aluminium. - Fluorine - phosphorus pentoxide - lithium - organic nitro compounds - Combustible substance - metal salt - metals - Oxidising substances - metal nitrates

10.6. Hazardous decomposition products

No known hazardous decomposition products.

10.7. Additional information

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Following ingestion : No
Skin contact : No
Inhalation : No

Substances	Dose / Concentration	Value	Species	Exposure time	Method
SODIUM CARBONATE					
oral	LD50:	2800 mg/kg	Rat		
Inhalation (dust/mist)	LC50:	0.8 mg/L	Rat	2 hour(s)	
SODIUM PERCARBONATE					
oral	LD50:	893 mg/kg	Rat		
dermal	LD50:	>2000 mg/kg	Rabbit		
CITRIC ACID					
oral	LD50:	5400 mg/kg	Rat		
dermal	LD50:	>2000 mg/kg	Rat		OECD 402
SODIUM SILICATE, POWDER, MOL.RATIO: 2.6 - 3.2					
oral	LD50:	1960 mg/kg	Rat		
dermal	LD50:	>4640 mg/kg	Rat		
Inhalation (dust/mist)	LC50:	2.06 mg/L	Rat	4 hour(s)	

Skin corrosion/irritation : not applicable

Serious eye damage/eye irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : not applicable

Germ cell mutagenicity : not applicable

Carcinogenicity : not applicable

Reproductive toxicity : not applicable

STOT-single exposure : not applicable

STOT-repeated exposure : not applicable

Aspiration hazard : not applicable

Symptoms

Following inhalation : Irritating feeling. May cause:, sore throat, Cough

Following skin contact : Irritating feeling. May cause:., redness, pain
After eye contact : Irritating feeling. May cause:., redness, pain
Following ingestion : Irritating feeling. May cause:., sore throat, Abdominal pain

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Acute (short-term) fish toxicity	Acute (short-term) toxicity to crustacea	Acute (short-term) toxicity to algae and cyanobacteria	Toxicity to other aquatic plants/organisms
SODIUM CARBONATE	LC50: 300 mg/L 96 hour(s) Fish - Source: ECHA	EC50: >200 - ≤227 mg/L 48 hour(s) Daphnia - Source: ECHA		
SODIUM PERCARBONATE	LC50: 70.7 mg/L 96 hour(s) Fish - Source: ECHA	EC50: 4.9 mg/L 48 hour(s) Daphnia - Source: ECHA		
CITRIC ACID	LC50: >100 mg/L 96 hour(s) Fish - Source: ECHA	EC50: 160 mg/L 48 hour(s) Daphnia - Source: GESTIS		
SODIUM SILICATE, POWDER, MOL.RATIO: 2.6 - 3.2	LC50: ≥260 - ≤310 mg/L 96 hour(s) Fish - Source: ECHA	EC50: 1700 mg/L 48 hour(s) Daphnia - Source: ECHA	IC50: 207 mg/L 72 hour(s) Algae - Source: ECHA	

12.2. Persistence and degradability

Biodegradation

CITRIC ACID

: Readily biodegradable (according to OECD criteria). - Source: ECHA - Method: OECD 301B

Chemical oxygen demand (COD)

: No information available.

Biochemical oxygen demand

: No information available.

BOD5/COD ratio

: No information available.

12.3. Bioaccumulative potential

Bioconcentration factor (BCF)

: No information available.

Partition coefficient n-octanol/water

CITRIC ACID

: -1.57 - Source: GESTIS

PHOSPHONIC ACID, (1-HYDROXYETHYLIDENE)

: -0.81 - Source: Easi-Pro © View

BIS-, SODIUM SALT

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

12.7. Additional ecotoxicological information

Observe local regulations concerning effluent treatment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of contents/container to industrial incineration plant. Following consultation with waste management company and after physico-chemical pre-treatment, landfill together with household waste. Dispose of contents/container according to local hazardous waste disposal regulations. Delivery to an approved waste disposal company.

Other disposal recommendations : not applicable

SECTION 14: Transport information

14.1. UN number

No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4. Packing group

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

No dangerous good in sense of these transport regulations.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information

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

International regulations:

Minamata Convention on Mercury : not applicable

EU legislation

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
not applicable

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH:

not applicable

Overall Assessment on CMR properties

according to Regulation (EC) No. 1907/2006 (REACH) : not applicable

Regulation (EC) No 850/2004 [POP-Regulation]

not applicable

Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer.

not applicable

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Additional information

none

Relevant H-phrases (Number and full text)

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.
H413	May cause long lasting harmful effects to aquatic life.

Abbreviations and acronyms

ACGIH® American Conference of Governmental Industrial Hygienists

ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
BuAc	n-Butyl acetate
CAS	Chemical Abstracts Service
CCID	New Zealand Chemical Classification and Information Database
DSL	Canada Domestic Substances List
ECHA-RAC	ECHA Committee for Risk Assessment
EFSA	European Food Safety Authority
EHSP	OECD Environment, Health, and Safety Publication
EmS	Emergency Schedule
EU-CLH	European Union Harmonised Classification and Labelling
GESTIS	Databases on hazardous substances of the German Social Accident Insurance
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
GWBB-VLEP	Grenswaarden voor beroepsmatige blootstelling/Valeurs limites d'exposition professionnelle
HHS	U.S. Department of Health and Human Services
HSDB	Hazardous Substances Data Bank
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INRS	French National Research and Safety Institute for the Prevention of Occupational Accidents and Diseases
JP-GHS	Japan GHS Basis for Classification Data
KHC	Known human carcinogens.
LEL	Lower explosion limit
LOLI	LOLI (List of Lists) Database
n.a.	not applicable
NDSL	Canada Non-domestic Substance List
NICNAS	Australia National Industrial Chemicals Notification and Assessment Scheme
NIER	South Korea National Institute of Environmental Research Evaluations
NLM	United States National Library of Medicine
NTP	National Toxicology Program
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
OSHA	Occupational Safety & Health Administration
OUE	European Odour Unit
RAHC	Reasonably Anticipated Human Carcinogen
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCOEL	Scientific Committee on Occupational Exposure Limits (EU)
SIDS	OECD Screening Information Data Sets
SUVA	Swiss Accident Insurance Fund
TRGS	Technische Regeln für Gefahrstoffe
TSCA	The Toxic Substances Control Act Chemical Substance Inventory
TWA	Time Weighted Average
UEL	Upper explosion limit
UN	United Nations
US-EPA	United States Environmental Protection Agency

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