

Safety Data Sheet

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

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Version : 3.1

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

1.1. Product identifier

Safety Data Sheet : 32700
Product code : 4219 450 32501
Product name: : ACC SAE MILK CLEAN. POWDER 1U. V4 W/D WE; CA6705
Trade name/designation : PHILIPS SAECO MILK CIRCUIT CLEANER

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

Relevant identified uses : No information available.
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]

Skin corrosion/irritation	Category 2	H315
Serious eye damage/eye irritation	Category 2	H319
Specific target organ toxicity - single exposure	Category 3	H335

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

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

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.
P261.6	Avoid breathing dust.
P280.7	Wear protective gloves and eye/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312.1	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment.
P405	Store locked up.
P501	Dispose of contents/container according to local hazardous waste disposal regulations.

Hazardous ingredients POTASSIUM CARBONATE

Remarks on labelling none.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition / information on ingredients

3.2. Mixture

CAS No.	EC No.	REACH No.	Concentration (%)	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL / M-factor / ATE
POTASSIUM CARBONATE					
584-08-7	209-529-3	01-2119532646-36	≥50.0 - <100.0	GHS07 H315 Skin Irrit. 2 H319 Eye Irrit. 2 H335 STOT SE 3	
POTASSIUM DIPHOSPHATE					
7320-34-5	230-785-7	01-2119489369-18	≥10.0 - <25.0	GHS07 H319 Eye Irrit. 2	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	: Remove casualty to fresh air and keep warm and at rest. Transport affected person in lying position, in case of shortness of breath in half-sitting position. Remove contaminated, saturated clothing immediately. Do not leave affected person unattended. Remove affected person from the danger area and lay down.
Following inhalation	: In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.
Following skin contact	: Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water. When in doubt or if symptoms are observed, get medical advice.
After eye contact	: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
Following ingestion	: Rinse mouth thoroughly with water. Give nothing to eat or drink. Call a physician in any case!
Self-protection of the first aider	: No special measures are necessary.

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

Following skin contact	local	: The substance is irritating: redness, pain.
	systemic	: Probably no absorption worth mentioning.
Following ingestion	local	: The substance is irritating: sore throat, abdominal pain.
	systemic	: The substance may be absorbed after ingestion.
Following inhalation	local	: The substance is with atomising irritating: sore throat, coughing.
	systemic	: Probably no absorption worth mentioning.
After eye contact	local	: The substance is irritating: redness, pain.
Other information		: The substance has an effect on: the blood.

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 : Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated : Carbon monoxide - potassium oxide - Phosphorus oxides - Phosphine

5.3. Advice for firefighters

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

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 : not applicable.

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 : No information available.

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 : Keep away from: ignition sources or heat sources. - Store in a well-ventilated place. - Keep/Store only in original container. Keep container tightly closed. - Protect from sunlight. - Keep container dry.

storage temperature : Recommended storage temperature >10 - <30 °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	Russia					
		mg/m ³	ppm				
POTASSIUM CARBONATE		(Liquid aerosol (mist))					
	8 hour(s)	2					
	15 minutes						
	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
POTASSIUM CARBONATE	oral [mg/kg bw/day]	Not required.			
	Inhalation [mg/m ³] 01			10	
	dermal [mg/cm ²]			16	
POTASSIUM DIPHOSPHATE	oral [mg/kg bw/day]	Not required.			
	Inhalation [mg/m ³] 00	17.63			
	dermal [mg/kg bw/day]				

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

No information available.

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 : Dust protection eye glasses.

Skin protection

Hand protection : Suitable gloves type: CR (polychloroprene, chloroprene rubber).

Body protection : Overall, Apron, Boots, goggles.

Respiratory protection : Filtering Half-face mask (DIN EN 149): FFP2.

8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: solid
Appearance	: Powder
Colour	: white
Odour	: No information available.
Odour threshold	: No information available.
pH	: 11
Melting point/freezing point	: No information available.
Initial boiling point and boiling range	: No information available.
Flash point	: No information available.
Evaporation rate	: not applicable
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	: No information available.
Auto-ignition temperature	: not applicable
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

Acids - alkaline earth metal powders - chloro trifluoride - Oxidising substances - halogens - silicon - carbon - calcium hydroxide - Aluminium alloy - Aluminium. - Light metal

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Following ingestion	: No
Skin contact	: No
Inhalation	: No

Substances	Dose / Concentration	Value	Species	Exposure time	Method
POTASSIUM CARBONATE					
oral	LD50:	1870 mg/kg	Rat		
dermal	LD50:	>2000 mg/kg	Rabbit		

Substances	Dose / Concentration	Value	Species	Exposure time	Method
POTASSIUM DIPHOSPHATE					
oral	LD50:	>2000 mg/kg	Rat		
dermal	LD50:	>2000 mg/kg	Rabbit		OECD 402
Inhalation (dust/mist)	LC50:	>1.1 mg/L	Rat	4 hour(s)	

Skin corrosion/irritation : Causes skin irritation.
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 : May cause respiratory irritation.
STOT-repeated exposure : not applicable
Aspiration hazard : not applicable

Symptoms

Following skin contact **local** : The substance is irritating: redness, pain.
 systemic : Probably no absorption worth mentioning.
Following ingestion **local** : The substance is irritating: sore throat, abdominal pain.
 systemic : The substance may be absorbed after ingestion.
Following inhalation **local** : The substance is with atomising irritating: sore throat, coughing.
 systemic : Probably no absorption worth mentioning.
After eye contact **local** : The substance is irritating: redness, pain.
Other information : The substance has an effect on: the blood.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

11.2.2. Other information

No information available.

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
POTASSIUM CARBONATE	LC50: 68 mg/L 96 hour(s) Fish - Source: ECHA	EC50: 200 mg/L 48 hour(s) Daphnia - Source: ECHA		
POTASSIUM DIPHOSPHATE	LC50: >100 mg/L 96 hour(s) Fish - Source: ECHA - Method: OECD 203	EC50: >100 mg/L 48 hour(s) Daphnia - Source: ECHA		

12.2. Persistence and degradability

Biodegradation : No information available.
Chemical oxygen demand (COD) : No information available.
Biochemical oxygen demand : No information available.
BOD5/COD ratio : No information available.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Bioconcentration factor (BCF) : No information available.
Partition coefficient n-octanol/water : No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

12.8. Additional ecotoxicological information

Observe local regulations concerning effluent treatment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Waste should not be disposed of by release to water, drainage, sewer, or the ground. Dispose of waste according to applicable legislation.

Other disposal recommendations : not applicable

SECTION 14: Transport information

14.1. UN number or ID 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. Maritime transport in bulk according to IMO instruments

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)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

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
QUE	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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