Page 1 of 7 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 21.04.2016 / 0002 Replacing version dated / version: 24.03.2011 / 0001 Valid from: 21.04.2016 PDF print date: 21.04.2016 Contact Glass cleaning milk, 350 ml

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Contact Glass cleaning milk, 350 ml

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

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

PMA/TOOLS AG, Siemensring 42, 47877 Willich, Germany Phone: +49 (0) 2154-9222-30, Fax: +49 (0) 2154-9222-55 www.pma-tools.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 2154-922230 (Mo. - Fr. 8.00h - 17.00h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixtureClassification according to Regulation (EC) 1272/2008 (CLP)Hazard classHazard categoryHazEye Irrit.2H31

Hazard statement H319-Causes serious eye irritation.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Warning

H319-Causes serious eye irritation.

P280-Wear eye protection/face protection. P337+P313-If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006. The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a. 3.2	Mixture
0	terran alla alla av

Sodium dodecylbenzenesulfonate	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	246-680-4
CAS	25155-30-0
content %	5-<10
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H302
	Skin Irrit. 2, H315
	Eye Dam. 1, H318

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Fatty alcohol ethoxylates	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	•
CAS	68439-46-3
content %	5-<10
Classification according to Regulation (EC) 1272/2008 (CLP)	Eye Dam. 1, H318
	Aquatic Acute 1, H400 (M=1)

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification! For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eve contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

n.c.

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

The following may occur:

Skin irritation possible with prolonged contact.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product does not burn.

Adapt to the nature and extent of fire. Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon

Oxides of sulphur

Toxic pyrolysis products. 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air. Avoid contact with eyes or skin If applicable, caution - risk of slipping. 6.2 Environmental precautions If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities. 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

Flush residue using copious water.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1. 7.1 Precautions for safe handling 7.1.1 General recommendations

Ensure good ventilation. Avoid contact with eves. Avoid long lasting or intensive contact with skin.

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Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals Store product closed and only in original packing Not to be stored in gangways or stair wells. Store at room temperature.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Silicon dioxide - amorphous		Content %:
WEL-TWA: 6 mg/m3 (total inh. dust), 2,4 r	ng/m3 (resp. dust) WEL-STEL:		
Monitoring procedures:			
BMGV:		Other information:	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Chemical resistant protective gloves (EN 374). Recommended Protective gloves in butyl rubber (EN 374).

Permeation time (penetration time) in minutes > 120

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection: Normally not necessary.

Thermal hazards:

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Colour: Odour: Odour threshold: pH-value: Melting point/freezing point: Initial boiling point and boiling range

Cream, Liquid White, Light grey Characteristic Not determined Not determined Not determined

n.a.	
Not determined	
n.a.	
n.a.	
n.a.	
n.a.	
- /	
No	
Not determined	
10: Stability and reactivity	
	Not determined n.a. n.a. Not determined Not determined 1,12 g/ml (20°C) n.a. Not determined 19,5 % Not determined n.a. Not determined Not determined

10.2 Chemical stability
Stable with proper storage and handling.
10.3 Possibility of hazardous reactions
No dangerous reactions are known.
10.4 Conditions to avoid
None known
10.5 Incompatible materials
None known
10.6 Hazardous decomposition products

No decomposition when used as directed.

œ

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

Foxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						Irritant, expert judgement
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Souluin douecybenzenesunonale						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						eyes, reddened, diarrhoea,
						vomiting, cornea opacity,
						dizziness, watering eves

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	IUCLID Chem. Data Sheet (ESIS)	
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Skin corrosion/irritation:				Rabbit		Not irritant
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit		Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	IUCLID Chem. Data Sheet (ESIS)	Not sensitizising
Germ cell mutagenicity:				Salmonella typhimurium	(Ames-Test)	Negative
Carcinogenicity:						Negative

SECTION 12: Ecological information

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Possibly more information on environmental effects, see Section 2.1 (classification).

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and degradability:							The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
12.3. Bioaccumulative potential:							n.d.a.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Other adverse effects:							n.d.a.

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>10000	mg/l	Brachydanio rerio	OECD 203 (Fish,	
						Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC0	24h	>=10000	mg/l	Daphnia magna	OECD 202 (Daphnia	
						sp. Acute	
						Immobilisation Test)	
12.1. Toxicity to daphnia:	EC50	24h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia	
						sp. Acute	
						Immobilisation Test)	
12.1. Toxicity to algae:	IC50	72h	440	mg/l	Pseudokirchneriella	IUCLID Chem. Data	
					subcapitata	Sheet (ESIS)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	60	mg/l	Pseudokirchneriella	IUCLID Chem. Data	
					subcapitata	Sheet (ESIS)	
12.2. Persistence and							Not relevant for inorganic
degradability:							substances.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no .: The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU) 07 06 01 aqueous washing liquids and mother liquors 20 01 29 detergents containing hazardous substances Recommendation: Sewage disposal shall be discouraged. Pay attention to local and national official regulations. E.g. suitable incineration plant. E.g. dispose at suitable refuse site. For contaminated packing material Pay attention to local and national official regulations. Empty container completely. Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance. Recommended cleaner: Water **SECTION 14: Transport information General statements** 14.1. UN number: n.a. Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name: 14.3. Transport hazard class(es): n.a. 14.4. Packing group: n.a. Classification code: n.a. LQ (ADR 2015): na 14.5. Environmental hazards: Not applicable Tunnel restriction code: Transport by sea (IMDG-code) 14.2. UN proper shipping name: 14.3. Transport hazard class(es): n.a. 14.4. Packing group: n.a. Marine Pollutant: n.a 14.5. Environmental hazards: Not applicable

Transport by air (IATA) 14.2. UN proper shipping name:

- @	
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Contact Glass cleaning milk, 350 ml	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user Unless specified otherwise, general measures for safe transport must be followed.	
14.7. Transport in bulk according to Annex II of MARPOL and	the IBC Code
Non-dangerous material according to Transport Regulations.	
SECTION 15: Rec	ulatory information
OLOHON 10. Reg	
 15.1 Safety, health and environmental regulations/legislation For classification and labelling see Section 2. Observe restrictions: Observe youth employment law (German regulation). Comply with trade association/occupational health regulations. 15.2 Chemical safety assessment 	specific for the substance or mixture
A chemical safety assessment is not provided for mixtures.	
SECTION 16: C	Other information
Revised sections: These details refer to the product as it is delivered.	1 - 16
Employee instruction/training in handling hazardous materials is required.	
Classification and processes used to derive the classificatio	n of the mixture in accordance with the ordinance (FG)
1272/2008 (CLP):	
Classification in accordance with regulation (EC) No.	Evaluation method used
1272/2008 (CLP)	
Eye Irrit. 2, H319	Expert judgement.
The following phrases represent the posted Hazard Class and Risk Category Code (G H302 Harmful if swallowed.	HS/CLP) of the product and the constituents (specified in Section 2 and 3).
H315 Causes skin irritation.	
H318 Causes serious eye damage.	
H400 Very toxic to aquatic life.	
Eye Irrit. — Eye irritation	
Acute Tox. — Acute toxicity - oral Skin Irrit. — Skin irritation	
Eye Dam. — Serious eye damage	
Aquatic Acute — Hazardous to the aquatic environment - acute	
Any abbreviations and acro	onyms used in this document:
AC Article Categories acc., acc. to according, according to	
ACGIH American Conference of Governmental Industrial Hygienists	
ADR Accord européen relatif au transport international des marchandises Danger Dangerous Goods by Road)	euses par Route (= European Agreement concerning the International Carriage of
AOEL Acceptable Operator Exposure Level	
AOX Adsorbable organic halogen compounds	
approx. approximately Art., Art. no. Article number	
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)	
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Mate BAUA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for C	
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for C BCF Bioconcentration factor	
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for C BCF Bioconcentration factor BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)	
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for C BCF Bioconcentration factor BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation) BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol) BMGV Biological monitoring guidance value (EH40, UK)	
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Page 7	or / ata sheet according to Regulation (EC) No 1907/2006, Annex II
	date / version: 21.04.2016 / 0002
	g version dated / version: 24.03.2011 / 0001
	m: 21.04.2016
	nt date: 21.04.2016
Contact	Glass cleaning milk, 350 ml
EN EPA	European Norms United States Environmental Protection Agency (United States of America)
ERC	Environmental Release Categories
ES	Environmenta release o dategories
etc.	et cetera
EU	European Union
EWC	European Waste Catalogue
Fax.	Fax number
gen.	general
GHS GWP	Globally Harmonized System of Classification and Labelling of Chemicals
HET-CA	Global warming potential M Hen's Egg Test - Chorionallantoic Membrane
HGWP	Halocarbon Global Warming Potential
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IBC (Cod	
	Inhibitory concentration
IMDG-cc incl.	ode International Maritime Code for Dangerous Goods including, inclusive
IUCLID	International Uniform ChemicaL Information Database
LC	lethal concentration
LC50	lethal concentration 50 percent kill
LCLo	lowest published lethal concentration
LD	Lethal Dose of a chemical
LD50	Lethal Dose, 50% kill
LDL0	Lethal Dose Low Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
LQ	Limited Quantities
MARPO	LInternational Convention for the Prevention of Marine Pollution from Ships
n.a.	not applicable
n.av.	not available
n.c.	not checked
n.d.a.	no data available National Institute of Occupational Safety and Health (United States of America)
	No Observed Adverse Effective Concentration
	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
ODP	Ozone Depletion Potential
OECD	Organisation for Economic Co-operation and Development
org.	organic
PAH PBT	polycyclic aromatic hydrocarbon
PC	persistent, bioaccumulative and toxic Chemical product category
PE	Polyethylene
PNEC	Predicted No Effect Concentration
POCP	Photochemical ozone creation potential
ppm	parts per million
PROC	Process category
PTFE	Polytetrafluorethylene
	Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and on of Chemicals)
	IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal
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RĬD	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods
by Rail)	
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure Activity Relationship
SU	Sector of use
SVHC Tel.	Substances of Very High Concern Telephone
ThOD	Theoretical oxygen demand
TOC	Total organic carbon
TRGS	Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
UN RTD	
VbF	Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC vPvB	Volatile organic compounds very persistent and very bioaccumulative
	/A, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL =
	A, WELSTEL with Short-term exposure limit (15-minute reference period) (EH40, UK).
WHO	World Health Organization
wwt	wet weight
	ements made here should describe the product with regard to the necessary safety precautions - they are
	nt to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No respo These st	atements were made by:
Chem	ical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90
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