

KIT DENTAIRE

Qingdao Magic Pet Products R&D Co.,Ltd.

Project number: 7

Version No:1.0

Issue Date:19/11/2015

Safety Data Sheet (Conforms to Regulations (EC) No 2015/830)

S.REACH.DEU.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier

Product name	PET TOOTHPASTE WITH MINT FLAVOR
Product code	G0957
Synonyms	Not Available
Other means of identification	Not Available

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

Relevant identified uses	Pet Product. FOR PET USE ONLY
Uses advised against	Not Applicable

1.3. Details of the supplier of the safety data sheet

Registered company name	Qingdao Magic Pet Products R&D Co.,Ltd.
Address	No.11 Huahai Road, Chengyang District, Qingdao, China.
Telephone	+86-532-81108567
Emergency telephone	+86-13953232752
Email	daisy@magicpet.com.cn
Importer name	Agrobiothers Laboratoires
Address	ZI les Platières 71290 Cuisery
Telephone	0385400930
Email	nbejot@agrobiothers.com

1.4. Emergency telephone number

Association / Organisation	Agrobiothers Laboratoires
Emergency telephone numbers	0385400930
Other emergency telephone numbers	none

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 [CLP]	Not Applicable
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2.2. Label elements

CLP label elements	Not Applicable
SIGNAL WORD	NOT APPLICABLE

Hazard statement(s)

Not Applicable

Supplementary statement(s)

EUH208	Contains (papain). May produce an allergic reaction
EUH210	Safety data sheet available on request

Precautionary statement(s) Prevention

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

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Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

2.3. Other hazards

Cumulative effects may result following exposure*.

REACH - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**3.1.Substances**

See 'Composition on ingredients' in Section 3.2

3.2.Mixtures

1.CAS No 2.EC No 3.Index No 4.REACH No	%[weight]	Name	Classification according to regulation (EC) No 1272/2008 [CLP]
1.128-44-9 2.Not Available 3.Not Available 4.Not Available	0.05	<u>sodium saccharin</u>	Not Applicable
1.151-21-3 2.205-788-1 3.Not Available 4.Not Available	0.6	<u>sodium laurylsulfate</u>	Not Applicable
1.13463-67-7 2.236-675-5 3.Not Available 4.Not Available	0.3	<u>titanium dioxide</u>	Not Applicable
1.532-32-1 2.Not Available 3.Not Available 4.Not Available	0.2	<u>sodium benzoate</u>	Not Applicable
1.50-70-4 2.200-061-5, 200-711-8 3. Not Available 4. Not Available	70	<u>D-sorbitol</u>	Not Applicable
1.7631-86-9 2.Not Available 3.Not Available 4. Not Available	21	<u>silicon dioxide</u>	Not Applicable
1.7732-18-5 2. Not Available 3. Not Available 4. Not Available	6.32	<u>water</u>	Not Applicable
1.9004-32-4 2. Not Available 3. Not Available 4. Not Available	1	<u>sodium carboxymethylcellulose</u>	Not Applicable
1.106-24-1 2.203-377-1 3. Not Available 4. Not Available	0.5	<u>geraniol</u>	Serious Eye Damage Category 1, Skin Corrosion/Irritation Category 2, Skin Sensitizer Category 1; H318,H315, H317
1.7722-88-5 2.231-767-1 3. Not Available 4. Not Available	0.02	<u>tetrasodium pyrophosphate</u>	Eye Irritation Category 2, Chronic Aquatic Hazard Category 4; H319, H413
1.9001-37-0 2.232-601-0 3. Not Available 4. Not Available	0.01	<u>glucose oxidase</u>	Eye Irritation Category 2, STOT - SE (Resp. Irr.) Category 3, Skin Corrosion/Irritation Category 2, Respiratory Sensitizer Category 1; H319, H335, H315, H334

SECTION 4 FIRST AID MEASURES**4.1. Description of first aid measures**

General	<ul style="list-style-type: none"> ▶ Immediately give a glass of water. ▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. ▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. ▶ Other measures are usually unnecessary. <p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with water. ▶ If irritation continues, seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. <p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation.
Eye Contact	<p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with water. ▶ If irritation continues, seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	<p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation.
Inhalation	<ul style="list-style-type: none"> ▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. ▶ Other measures are usually unnecessary.

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Ingestion

- ▶ Immediately give a glass of water.
- ▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

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

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

5.1. Extinguishing media

- ▶ Foam.
- ▶ Dry chemical powder.
- ▶ BCF (where regulations permit).
- ▶ Carbon dioxide.

5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility

- ▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

5.3. Advice for firefighters

Fire Fighting

- ▶ Alert Fire Brigade and tell them location and nature of hazard.
- ▶ Wear breathing apparatus plus protective gloves.
- ▶ Prevent, by any means available, spillage from entering drains or water courses.
- ▶ Use water delivered as a fine spray to control fire and cool adjacent area.

Fire/Explosion Hazard

- ▶ Combustible solid which burns but propagates flame with difficulty; it is estimated that most organic dusts are combustible (circa 70%) - according to the circumstances under which the combustion process occurs, such materials may cause fires and / or dust explosions.
 - ▶ Organic powders when finely divided over a range of concentrations regardless of particulate size or shape and suspended in air or some other oxidizing medium may form explosive dust-air mixtures and result in a fire or dust explosion (including secondary explosions).
 - ▶ Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any source of ignition, i.e. flame or spark, will cause fire or explosion. Dust clouds generated by the fine grinding of the solid are a particular hazard; accumulations of fine dust (420 micron or less) may burn rapidly and fiercely if ignited - particles exceeding this limit will generally not form flammable dust clouds; once initiated, however, larger particles up to 1400 microns diameter will contribute to the propagation of an explosion.
- Combustion products include; carbon monoxide (CO) carbon dioxide (CO₂) other pyrolysis products typical of burning organic material
- NOTE:** Burns with intense heat. Produces melting, flowing, burning liquid and dense acrid black smoke. May emit poisonous fumes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

See section 8

6.2. Environmental precautions

See section 12

6.3. Methods and material for containment and cleaning up

Minor Spills

- ▶ Clean up all spills immediately.
- ▶ Avoid breathing dust and contact with skin and eyes.
- ▶ Wear protective clothing, gloves, safety glasses and dust respirator.
- ▶ Use dry clean up procedures and avoid generating dust.

Major Spills

- Moderate hazard.
- ▶ **CAUTION:** Advise personnel in area.
 - ▶ Alert Emergency Services and tell them location and nature of hazard.
 - ▶ Control personal contact by wearing protective clothing.

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling

- ▶ Avoid all personal contact, including inhalation.
- ▶ Wear protective clothing when risk of exposure occurs.
- ▶ Use in a well-ventilated area.
- ▶ Prevent concentration in hollows and sumps.
- ▶ Organic powders when finely divided over a range of concentrations regardless of particulate size or shape and suspended in air or some other oxidizing medium may form explosive dust-air mixtures and result in a fire or dust explosion (including secondary explosions)
- ▶ Minimise airborne dust and eliminate all ignition sources. Keep away from heat, hot surfaces, sparks, and flame.
- ▶ Establish good housekeeping practices.
- ▶ Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds.

Fire and explosion protection

See section 5

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Other information	<ul style="list-style-type: none"> ▶ Store in original containers. ▶ Keep containers securely sealed. ▶ Store in a cool, dry area protected from environmental extremes. ▶ Store away from incompatible materials and foodstuff containers.
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7.2. Conditions for safe storage, including any incompatibilities

Suitable container	<ul style="list-style-type: none"> ▶ Aluminum plastic compound. ▶ Polyethylene or polypropylene container. ▶ Check all containers are clearly labelled and free from leaks.
Storage incompatibility	<ul style="list-style-type: none"> ▶ Avoid strong acids, acid chlorides, acid anhydrides and chloroformates. ▶ Avoid reaction with oxidising agents, bases and strong reducing agents.

7.3. Specific end use(s)

See section 1.2

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parameters****DERIVED NO EFFECT LEVEL (DNEL)**

Not Available

PREDICTED NO EFFECT LEVEL (PNEC)

Not Available

OCCUPATIONAL EXPOSURE LIMITS (OEL)**INGREDIENT DATA**


Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Germany TRGS 900 - Limit Values for the Workplace Atmosphere (German)	silicon dioxide	Kieselsäuren, amorphe	4 mg/m ³	Not Available	Not Available	(Limit value mg/m ³ (E))

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
D-sorbitol	Sorbitol, D-; (D-Glucitol)	30 mg/m ³	330 mg/m ³	3100 mg/m ³
D-sorbitol	Hexanehexol, 1,2,3,4,5,6-; (Mannitol)	340 mg/m ³	2700 mg/m ³	2700 mg/m ³
silicon dioxide	Silica amorphous hydrated	6 mg/m ³	6 mg/m ³	85 mg/m ³
sodium carboxymethylcellulose	Sodium carboxymethyl cellulose; (Dowex 11)	7.1 mg/m ³	78 mg/m ³	5300 mg/m ³
tetrasodium pyrophosphate	Sodium pyrophosphate decahydrate	4.3 mg/m ³	48 mg/m ³	290 mg/m ³
tetrasodium pyrophosphate	Tetrasodium pyrophosphate	15 mg/m ³	130 mg/m ³	790 mg/m ³

Ingredient	Original IDLH	Revised IDLH
D-sorbitol	Not Available	Not Available
silicon dioxide	Not Available	Not Available
sodium carboxymethylcellulose	Not Available	Not Available
geraniol	Not Available	Not Available
tetrasodium pyrophosphate	Not Available	Not Available
glucose oxidase	Not Available	Not Available

8.2. Exposure controls

8.2.1. Appropriate engineering controls	<p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard 'physically' away from the worker and ventilation that strategically 'adds' and 'removes' air in the work environment.</p>
8.2.2. Personal protection	
Eye and face protection	<ul style="list-style-type: none"> ▶ Safety glasses with side shields ▶ Chemical goggles. ▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience.
Skin protection	See Hand protection below

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Hands/feet protection	<p>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.</p> <p>Suitability and durability of glove type is dependent on usage.</p> <p>Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present.</p> <ul style="list-style-type: none"> ▶ polychloroprene. ▶ nitrile rubber. ▶ butyl rubber.
Body protection	See Other protection below
Other protection	<ul style="list-style-type: none"> ▶ Overalls. ▶ P.V.C. apron. ▶ Barrier cream.
Thermal hazards	Not Available

Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

8.2.3. Environmental exposure controls

See section 12

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	White solid		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Flammable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

9.2. Other information

Not Available

SECTION 10 STABILITY AND REACTIVITY

10.1.Reactivity	See section 7.2
10.2.Chemical stability	<ul style="list-style-type: none"> ▶ Unstable in the presence of incompatible materials. ▶ Product is considered stable. ▶ Hazardous polymerisation will not occur.
10.3. Possibility of hazardous reactions	See section 7.2
10.4. Conditions to avoid	See section 7.2
10.5. Incompatible materials	See section 7.2
10.6. Hazardous decomposition products	See section 5.3

SECTION 11 TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

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Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.	
Ingestion	The material has NOT been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.	
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.	
Eye	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result.	
Chronic	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Animal testing showed that sorbitol caused thickening of bone and excretion of citrate. Sorbitol was not shown to cause birth defects. Otherwise, sorbitol was not shown to cause toxic effects at concentrations up to 15%.	
KIT DENTAIRE	TOXICITY	IRRITATION
	Not Available	Not Available
D-sorbitol	TOXICITY	IRRITATION
	Oral (rat) LD50: 13500 mg/kg ^[2]	Nil reported
	Oral (rat) LD50: 15900 mg/kg ^[2]	
sodium carboxymethylcellulose	TOXICITY	IRRITATION
	Dermal (rabbit) LD50: >2000 mg/kg ^[2]	Nil reported
	Inhalation (rat) LC50: >5.8 mg/L/4H ^[2]	
	Oral (rat) LD50: 27000 mg/kg ^[2]	
geraniol	TOXICITY	IRRITATION
	Dermal (rabbit) LD50: >5000 mg/kg ^[2]	Not Available
	Oral (rat) LD50: 1240 mg/kg ^[2]	
tetrasodium pyrophosphate	TOXICITY	IRRITATION
	dermal (rat) LD50: >2000 mg/kg ^[1]	Not Available
	Oral (rat) LD50: >300<2000 mg/kg ^[1]	
glucose oxidase	TOXICITY	IRRITATION
	Oral (rat) LD50: >4000 mg/kg ^[2]	[Van Waters & Rogers]*
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	

Acute Toxicity	☒	Carcinogenicity	☒
Skin Irritation/Corrosion	☒	Reproductivity	☒
Serious Eye Damage/Irritation	☒	STOT - Single Exposure	☒
Respiratory or Skin sensitisation	☒	STOT - Repeated Exposure	☒
Mutagenicity	☒	Aspiration Hazard	☒

Legend: ✘ – Data available but does not fill the criteria for classification
✔ – Data required to make classification available
☒ – Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
D-sorbitol	LC50	96	Fish	5.57308mg/L	3

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D-sorbitol	EC50	96	Algae or other aquatic plants	221.62086mg/L	3
D-sorbitol	EC50	384	Crustacea	30039.234mg/L	3
D-sorbitol	LC50	96	Fish	5.57308mg/L	3
D-sorbitol	EC50	96	Algae or other aquatic plants	221.62086mg/L	3
D-sorbitol	EC50	384	Crustacea	30039.234mg/L	3
silicon dioxide	LC50	96	Fish	120.743mg/L	3
silicon dioxide	EC50	48	Crustacea	>1000mg/L	2
silicon dioxide	EC50	72	Algae or other aquatic plants	440mg/L	1
silicon dioxide	EC50	384	Crustacea	28.000mg/L	3
silicon dioxide	NOEC	72	Algae or other aquatic plants	60mg/L	1
sodium carboxymethylcellulose	LC50	96	Fish	>20000mg/L	4
tetrasodium pyrophosphate	LC50	96	Fish	>100mg/L	2
tetrasodium pyrophosphate	EC50	48	Crustacea	>100mg/L	2
tetrasodium pyrophosphate	EC50	96	Algae or other aquatic plants	18.89568mg/L	3
tetrasodium pyrophosphate	EC50	72	Algae or other aquatic plants	>100mg/L	2
tetrasodium pyrophosphate	NOEC	72	Algae or other aquatic plants	>100mg/L	2

Legend:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

DO NOT discharge into sewer or waterways.

12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
D-sorbitol	LOW	LOW
silicon dioxide	LOW	LOW
tetrasodium pyrophosphate	HIGH	HIGH

12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
D-sorbitol	LOW (LogKOW = -3.0108)
silicon dioxide	LOW (LogKOW = 0.5294)
tetrasodium pyrophosphate	LOW (LogKOW = -1.7388)

12.4. Mobility in soil

Ingredient	Mobility
D-sorbitol	LOW (KOC = 10)
silicon dioxide	LOW (KOC = 23.74)
tetrasodium pyrophosphate	LOW (KOC = 7.883)

12.5. Results of PBT and vPvB assessment

	P	B	T
Relevant available data	Not Available	Not Available	Not Available
PBT Criteria fulfilled?	Not Available	Not Available	Not Available

12.6. Other adverse effects

No data available

SECTION 13 DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Product / Packaging disposal	<ul style="list-style-type: none"> ▶ DO NOT allow wash water from cleaning or process equipment to enter drains. ▶ It may be necessary to collect all wash water for treatment before disposal. ▶ In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. ▶ Where in doubt contact the responsible authority.
Waste treatment options	Not Available
Sewage disposal options	Not Available

SECTION 14 TRANSPORT INFORMATION**Labels Required**

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Marine Pollutant	NO
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Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1.UN number	Not Applicable	
14.2.Packing group	Not Applicable	
14.3.UN proper shipping name	Not Applicable	
14.4.Environmental hazard	No relevant data	
14.5. Transport hazard class(es)	Class	Not Applicable
	Subrisk	Not Applicable
14.6. Special precautions for user	Hazard identification (Kemler)	Not Applicable
	Classification code	Not Applicable
	Hazard Label	Not Applicable
	Special provisions	Not Applicable
	Limited quantity	Not Applicable

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. Packing group	Not Applicable	
14.3. UN proper shipping name	Not Applicable	
14.4. Environmental hazard	No relevant data	
14.5. Transport hazard class(es)	ICAO/IATA Class	Not Applicable
	ICAO / IATA Subrisk	Not Applicable
	ERG Code	Not Applicable
14.6. Special precautions for user	Special provisions	Not Applicable
	Cargo Only Packing Instructions	Not Applicable
	Cargo Only Maximum Qty / Pack	Not Applicable
	Passenger and Cargo Packing Instructions	Not Applicable
	Passenger and Cargo Maximum Qty / Pack	Not Applicable
	Passenger and Cargo Limited Quantity Packing Instructions	Not Applicable
	Passenger and Cargo Limited Maximum Qty / Pack	Not Applicable

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. Packing group	Not Applicable	
14.3. UN proper shipping name	Not Applicable	
14.4. Environmental hazard	Not Applicable	
14.5. Transport hazard class(es)	IMDG Class	Not Applicable
	IMDG Subrisk	Not Applicable
14.6. Special precautions for user	EMS Number	Not Applicable
	Special provisions	Not Applicable
	Limited Quantities	Not Applicable

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. Packing group	Not Applicable	
14.3. UN proper shipping name	Not Applicable	
14.4. Environmental hazard	No relevant data	

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14.5. Transport hazard class(es)	Not Applicable	Not Applicable
14.6. Special precautions for user	Classification code	Not Applicable
	Special provisions	Not Applicable
	Limited quantity	Not Applicable
	Equipment required	Not Applicable
	Fire cones number	Not Applicable

Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code
Not Applicable

SECTION 15 REGULATORY INFORMATION

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

SODIUM LAURYSULFATE (151-21-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

TITANIUM DIOXIDE (13463-67-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

D-SORBITOL(50-70-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

EU REACH Regulation (EC) No 1907/2006 - Annex IV - Exemptions from the Obligation to Register in Accordance with Article 2(7)(a) (English)

European Customs Inventory of Chemical Substances ECICS (English)

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)

SILICON DIOXIDE(7631-86-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

EU European Chemicals Agency (ECHA) Community Rolling Action Plan (CoRAP) List of Substances

European Customs Inventory of Chemical Substances ECICS (English)

European List of Notified Chemical Substances (ELINCS)

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)

Germany TRGS 900 - Limit Values for the Workplace Atmosphere (German)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

SODIUM SACCHARIN(128-44-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

SODIUM CARBOXYMETHYLCELLULOSE(9004-32-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

European Customs Inventory of Chemical Substances ECICS (English)

WATER (7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

EU REACH Regulation (EC) No 1907/2006 - Annex IV - Exemptions from the Obligation to Register in Accordance with Article 2(7)(a) (English)

European Customs Inventory of Chemical Substances ECICS (English)

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)

GERANIOL (106-24-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

TETRASODIUM PYROPHOSPHATE(7722-88-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

European Customs Inventory of Chemical Substances ECICS (English)

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)

PAPAIN(9001-73-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

European Customs Inventory of Chemical Substances ECICS (English)

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)

European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31

European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI

SODIUM BENZOATEE (532-32-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - :98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008 and their amendments as well as the following British legislation: - The Control of Substances Hazardous to Health Regulations (COSHH) 2002 - COSHH Essentials - The Management of Health and Safety at Work Regulations 1999

15.2. Chemical safety assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if available.

15.3. Classification of Substances and Mixtures into Water Hazard Classes

PREPARATION IS WGK NON-HAZARDOUS TO WATERS

Name	WGK	Score	Source
D-SORBITOL	non-hazardous to waters		V: KBwS-Decision
SILICON DIOXIDE	non-hazardous to waters		V: KBwS-Decision
SODIUM CARBOXYMETHYLCELLULOSE	non-hazardous to waters		V: KBwS-Decision
GERANIOL	non-hazardous to waters	1	V: KBwS-Decision
TETRASODIUM PYROPHOSPHATE	non-hazardous to waters		V: KBwS-Decision
GLUCOSE OXIDASE	non-hazardous to waters	0	V: KBwS-Decision
National Inventory	Status		
Australia - AICS	Y		
Canada - DSL	Y		

Continued...

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Canada - NDSL	N (glucose oxidase ; geraniol; tetrasodium pyrophosphate; D-sorbitol; silicon dioxide; water; sodium carboxymethylcellulose)
China - IECSC	Y
Europe - EINEC / ELINCS / NLP	N (geraniol; sodium carboxymethylcellulose)
Japan - ENCS	N (glucose oxidase ; geraniol; water)
Korea - KECI	Y
New Zealand - NZIoC	Y
Philippines - PICCS	Y
USA - TSCA	Y
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Full text Risk and Hazard codes

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H413	May cause long lasting harmful effects to aquatic life

Other information

Ingredients with multiple cas numbers

Name	CAS No
D-sorbitol	15060-73-8, 36134-87-9, 3959-53-3, 50-70-4, 63800-20-4, 69-65-8, 75398-79-7, 8013-15-8, 8014-89-9, 8036-93-9, 8042-39-5, 8045-74-7, 8046-05-7, 98201-93-5
tetrasodium pyrophosphate	13472-36-1, 7722-88-5

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

- EN 166 Personal eye-protection
- EN 340 Protective clothing
- EN 374 Protective gloves against chemicals and micro-organisms
- EN 13832 Footwear protecting against chemicals
- EN 133 Respiratory protective devices

Definitions and abbreviations

- PC – TWA: Permissible Concentration-Time Weighted Average
- PC – STEL: Permissible Concentration-Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit,
- IDLH: Immediately Dangerous to Life or Health Concentrations
- OSF: Odour Safety Factor
- NOAEL :No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- LOD: Limit Of Detection
- OTV: Odour Threshold Value
- BCF: BioConcentration Factors
- BEI: Biological Exposure Index