SAFETY DATA SHEET



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

1.1. Product identifier

Trade name or designation

of the mixture

TUMS TABLETS

Registration number

Synonyms

- MFC50899 TUMS FRESHERS COOLMINT AND PLACEBO * CALCIUM CARBONATE.

FORMULATED PRODUCT * MFC 51081 TUMS FRESHERS SPEARMINT * MFC 51126A TUMS REGULAR PEPPERMINT 500MG * MFC 51126B TUMS EXTRA PEPPERMINT 750MG * MFC 51126C TUMS ULTRA PEPPERMINT 1000MG * MFC 51127A TUMS REGULAR CHERRY 500MG * MFC 51127B TUMS EXTRA CHERRY 750MG * MFC 51127C TUMS ULTRA CHERRY 1000MG * MFC 51128A TUMS REGULAR ORANGE 500MG * MFC 51128B TUMS EXTRA ORANGE 750MG * MFC 51128C TUMS ULTRA ORANGE 1000MG * MFC 51129A TUMS REGULAR LEMON 500MG * MFC 51129B TUMS EXTRA LEMON 750MG * MFC 51129C TUMS ULTRA LEMON 1000MG * MFC 51130A TUMS REGULAR LIME 500MG * MFC 51130B TUMS EXTRA LIME 750MG * MFC 51130C TUMS ULTRA LIME 1000MG * ANDREWS TUMS ANTACID MIXED FRUIT FLAVOURED TABLETS * ACD-128 ANDREWS ANTACID REFRESHING (UK) * TUMS ASSORTED FRUIT (UK) * TUMS ASSORTED FRUIT ANTACID TABLETS 500MG * ANDREWS ANTACID FRUIT (UK) * CALCIUM CARBONATE 600MG AND MAGNESIUM CARBONATE 125MG TABLETS * FORMULA NUMBERS: 3001111-0017, 3001111-0018, 3001111-0019 AND 3001111-0017, 3001111-0018, 3001111-0019 AND 3001111-0020 TUMS ULTRA

STRENGTH ASSORTED FRUIT (CANADA) * FORMULA NUMBERS: 3001111-0023, 3001111-0024, 3001111-0025 AND 3001111-0026 TUMS ULTRA ASSORTED TROPICAL (US AND CANADA) * FORMULA NUMBERS: 3001109-0018, 3001109-0019, 3001109-0020 AND

3001109-0021 TUMS EXTRA STRENGTH TROPICAL FRUIT * FORMULA NUMBERS: 3001109-0018, 3001109-0019, 3001109-0020 AND 3001109-0021 TUMS TROPICAL FRUIT

750MG * FORMULA NUMBERS: 3001101-0047, 3001101-0048, 3001101-0049 AND

3001101-0050 TUMS ASSORTED FRUIT * FORMULA NUMBERS: 3001101-0047, 3001101-0048, 3001101-0049 AND 3001101-0050 TUMS REGULAR STRENGTH ASSORTED FRUIT (CANADA

AND COLUMBIA) * FORMULA NUMBERS: 10499-001-0006, 10499-001-0007 AND

10499-001-0008 TUMS EXTRA STRENGTH ASSORTED BERRIES * FORMULA NUMBERS: 3001111-0036, 3001111-0037 AND 3001111-0038 TUMS ULTRA ASSORTED BERRIES (US AND CANADA) * FORMULA NUMBER: 3001109-0021 TUMS EX BANANA BERRY * FORMULA NUMBER: 3001104-0043 ANDREWS TUMS ORANGE TABLETS * MFC 3001101-0048 ENO

TUMS ORANGE * FORMULA NUMBERS: 3001101-0047 AND 3001101-0048 ENO TUMS ASSORTED FRUIT

11-November-2014

Version number 05

Revision date 11-November-2014

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

Identified uses Medicinal Product

This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant

to medicinal use of the product. In this instance patients should consult prescribing

information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate

safety data sheet for each ingredient.

Uses advised against No other uses are advised.

1.3. Details of the supplier of the safety data sheet

GlaxoSmithKline UK 980 Great West Road

Brentford, Middlesex TW8 9GS UK

UK General Information (normal business hours): +44-20-8047-5000

Email Address: msds@gsk.com Website: www.gsk.com

1.4. Emergency telephone

number

Issue date

TRANSPORT EMERGENCIES::

UK In-country toll call: +(44)-870-8200418
International toll call: +1 703 527 3887

available 24 hrs/7 days; multi-language response

Material name: TUMS TABLETS SDS IRELAND

135378 Version #: 05 Revision date: 11-November-2014 Issue date: 11-November-2014

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Classification according to Regulation (EC) No 1272/2008 as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

2.3. Other hazards Expected to be non-combustible.

See section 11 for additional information on health hazards.

CAS-No. / EC No. REACH Registration No. INDEX No.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name

Chemical name		%	CAS-NO. / EC NO.	REACH Registration No.	INDEX NO.	Notes
D-SORBITOL		0 - 83	50-70-4 200-061-5	-	-	
Classification:	DSD:	-				
	CLP:	-				
Calcium carbonate		0 - 75	471-34-1 207-439-9	-	-	
Classification:	DSD:	-				
	CLP:	-				
Talc		0 - <12	14807-96-6 238-877-9	-	-	
Classification:	DSD:	-				
	CLP:	-				
MAGNESIUM CARBON	IATE	0 - < 9	546-93-0 208-915-9	-	-	
Classification:	DSD:	-				
	CLP:	-				
Malic acid		0 - < 6	6915-15-7 230-022-8	-	-	
Classification:	DSD:	C;R35				
	CLP:	Skin Corr. 1;H3	14			
Starch		0 - 6	9005-25-8 232-679-6	-	-	
Classification:	DSD:	-				
	CLP:	-				
CALCIUM STEARATE		0 -3.5	1592-23-0 216-472-8	-	-	
Classification:	DSD:	-				
	CLP:	-				

Other components below reportable levels 25 - 60

Material name: TUMS TABLETS

SDS IRELAND

Notes

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance. PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. Pre-placement and periodic health surveillance is not usually indicated. The final determination of the need for health surveillance should be determined by local risk

assessment.

4.1. Description of first aid measures

In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is

difficult, trained personnel should give oxygen. If not breathing, give artificial respiration. Get

medical attention if symptoms occur.

Skin contact Immediately flush skin with plenty of water. Take off contaminated clothing and wash before reuse.

Get medical attention if symptoms occur.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion If swallowed, rinse mouth with water (only if the person is conscious).

4.2. Most important symptoms and effects, both acute and

delayed

Irritant effects.

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

No specific antidotes are recommended. Treat according to locally accepted protocols. For

additional guidance, refer to the local poison control information centre.

SECTION 5: Firefighting measures

General fire hazards Expected to be non-combustible.

5.1. Extinguishing media

Suitable extinguishing

Alcohol resistant foam. Water spray. Water fog. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media Unsuit media

None known.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting

procedures

Use water spray to cool unopened containers.

Specific methodsUse standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

protection, see section of

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

6.4. Reference to other

sections

For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe

handling

Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Material name: TUMS TABLETS SDS IRELAND

135378 Version #: 05 Revision date: 11-November-2014 Issue date: 11-November-2014

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10

of the SDS).

7.3. Specific end use(s) Medicinal Product

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

GSK

Not established

Ireland. Occupational Expo Components	sure Limits Type	Value	Form		
Calcium carbonate (CAS 471-34-1)	TWA	4 mg/m3	Respirable dust.		
,		10 mg/m3	Total inhalable dust.		
CALCIUM STEARATE (CAS 1592-23-0)	TWA	10 mg/m3			
Starch (CAS 9005-25-8)	TWA	4 mg/m3	Respirable dust.		
		10 mg/m3	Total inhalable dust.		
Talc (CAS 14807-96-6)	TWA	10 mg/m3	Total inhalable dust.		
		0.8 mg/m3	Respirable dust.		
ological limit values	No biological exposure limits noted for the ingredient(s).				
commended monitoring ocedures	Follow standard monitoring procedures.				
rived no-effect level (DNEL)	Not available.				

concentrations (PNECs) 8.2. Exposure controls

Predicted no effect

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information

Use personal protective equipment as required. Personal protection equipment should be chosen

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Not available.

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield. (eg. EN 166)

Skin protection

- Hand protection For prolonged or repeated skin contact use suitable protective gloves. With respect to the above

precautions select suitable chemical resistant protective gloves (EN 374) with a protective index 6

(>480min permeation time).

- Other Wear appropriate chemical resistant clothing. (EN 14605 for splashes, EN ISO 13982 for dust)

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Where breathable

aerosols/dust are formed, use suitable combination filter for gases/vapours of organic, inorganic,

acid inorganic, alkaline compounds and toxic particles (eg. EN 14387).

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

Environmental exposure controls

Hazard guidance and control recommendations

Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Solid.
Form Tablet.

Material name: TUMS TABLETS SDS IRELAND

Colour Not available.

Odour Not available.

Odour threshold Not available.

PH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Flash point

Evaporation rate

Flammability (solid, gas)

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

(%)

Not available.

Vapour pressureNot available.Vapour densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Solubility (other) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.Explosive propertiesNot available.Oxidizing propertiesNot available.

9.2. Other information

Dust explosion properties

St class

No studies have been conducted.

Minimum Ignition
Energy (MIE) - dust

No studies have been conducted.

cloud

Train fire No studies have been conducted.

SECTION 10: Stability and reactivity

10.1. ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoidContact with incompatible materials.

10.5. Incompatible materials Acids. Fluorine.

10.6. HazardousNone known. Irritating and/or toxic fumes and gases may be emitted upon the products

decomposition products decomposition.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation Health injuries are not known or expected under normal use. Inhalation of dusts may cause

respiratory irritation.

Skin contact Health injuries are not known or expected under normal use. Dust or powder may irritate the skin.

Eye contact Health injuries are not known or expected under normal use. Dust or powder may irritate eye

tissue.

Ingestion Health injuries are not known or expected under normal use.

Symptoms Irritant effects.

11.1. Information on toxicological effects

Material name: TUMS TABLETS SDS IRELAND

Components **Species Test results**

Calcium carbonate (CAS 471-34-1)

Acute

Oral

LD50 Rat 6450 mg/kg

CALCIUM STEARATE (CAS 1592-23-0)

Acute Oral

LD50 Rat > 2000 mg/kg

D-SORBITOL (CAS 50-70-4)

Acute Oral

Rat LD50 15.9 g/kg

Skin corrosion/irritation Health injuries are not known or expected under normal use. Prolonged skin contact may cause

temporary irritation.

Serious eye damage/eye

irritation

Health injuries are not known or expected under normal use. Dust or powder may irritate eye

tissue

Respiratory sensitisation Not applicable.

Skin sensitisation Health injuries are not known or expected under normal use.

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

Carcinogenicity Health injuries are not known or expected under normal use. This product is not considered to be

a carcinogen by IARC, ACGIH, NTP, or OSHA. Contains a material (talc) classified as a carcinogen by external agencies. These effects are suspected to be due to impurities that are not

expected to be present in purified material used in this product.

Health injuries are not known or expected under normal use. Contains no ingredient listed as toxic Reproductive toxicity

to reproduction

Specific target organ toxicity -

single exposure

None known.

Specific target organ toxicity -

repeated exposure

None known.

Due to partial or complete lack of data the classification is not possible. **Aspiration hazard**

Mixture versus substance

information

No information available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components Species **Test results**

Calcium carbonate (CAS 471-34-1)

Aquatic

LC50 Fish Western mosquitofish (Gambusia affinis) > 56000 mg/l, 24 hours

CALCIUM STEARATE (CAS 1592-23-0)

Aquatic

Acute

Fish EC50 Orange-red killfish (Adult Oryzias 266 mg/l, 96 hours

latipes)

Microtox EC50 Microtox 25.6 mg/l, 15 minutes

Talc (CAS 14807-96-6)

Aquatic

Acute

Fish EC50 Zebra fish (Adult Brachydanio rerio) > 100 g/l, 24 hours Static renewal test

Material name: TUMS TABLETS SDS IRELAND 6/9

^{*} Estimates for product may be based on additional component data not shown.

^{*} Estimates for product may be based on additional component data not shown.

12.2. Persistence and

No data is available on the degradability of this product.

degradability

Photolysis

Half-life (Photolysis-aqueous)

Malic acid 940 Days Estimated

Half-life (Photolysis-atmospheric)

CALCIUM STEARATE 17 Hours Estimated Malic acid 2 Days Estimated

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

CALCIUM STEARATE 77 %, 28 days BOD

Malic acid 68 %, 5 days BOD5, Activated sludge

Percent degradation (Aerobic biodegradation-ready)

CALCIUM STEARATE 95 %, 22 days Modified Sturm test.

Percent degradation (Aerobic biodegradation-soil)

CALCIUM STEARATE > 50 %, 13 days

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

> **D-SORBITOL** -2.2

Bioconcentration factor (BCF)

> 1000 Estimated **CALCIUM STEARATE D-SORBITOL** 1 Estimated Malic acid 0.1 - 0.3 Estimated

12.4. Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

5.86 Estimated CALCIUM STEARATE **D-SORBITOL** 0.3 Estimated

Mobility in general

Volatility

Henry's law

D-SORBITOL 0 atm m³/mol Estimated Malic acid 0 atm m³/mol, 25 C Estimated

12.5. Results of PBT Not available.

and vPvB assessment

Not available. 12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. **Special precautions**

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Read safety instructions, SDS and emergency procedures before handling.

Material name: TUMS TABLETS SDS IRELAND 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine

environment. These materials may not be transported in bulk.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not listed.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Directive 94/33/EC on the protection of young people at work

Not listed.

The product is classified and labelled in accordance with EC directives or respective national laws. Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

Young people under 18 years old are not allowed to work with this product according to the EU **National regulations**

Directive 94/33/EC on the protection of young people at work. Follow national regulation for work

with chemical agents.

15.2. Chemical safety

No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

Not available. List of abbreviations

GSK Hazard Determination References

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

Material name: TUMS TABLETS SDS IRELAND Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R35 Causes severe burns.

R36/38 Irritating to eyes and skin.

H314 Causes severe skin burns and eye damage. Product and Company Identification: Synonyms

Composition / Information on Ingredients: Undisclosed Ingredient Statement

Transport Information: Material Transportation Information

Regulatory Information: United States

Training information

Revision information

Follow training instructions when handling this material.

Disclaimer

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and

the suitability of the material or product for any particular purpose.

Material name: TUMS TABLETS SDS IRELAND

135378 Version #: 05 Revision date: 11-November-2014 Issue date: 11-November-2014