SAFETY DATA SHEET

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

Product Identifier

Material Name: Centrum Silver Chewables

Trade Name: CENTRUM
Compound Number: WH-1379-0001
Chemical Family: Not determined

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Intended Use: Consumer healthcare product used as dietary supplement

Details of the Supplier of the Safety Data Sheet

Pfizer Inc
1 Giralda Farms
Madison, NJ 07940

Pfizer Ltd
Ramsgate Road
Sandwich, Kent
CT13 9NJ
United Kingdom
+00 44 (0)1304 616161

Emergency telephone number:
CHEMTREC (24 hours): 1-800-424-9300
Contact E-Mail: pfizer-MSDS@pfizer.com

Emergency telephone number:
International CHEMTREC (24 hours): +1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS - Classification Not classified as hazardous

Label Elements

Signal Word: Not required
Hazard Statements: Non-hazardous in accordance with international standards for workplace safety.

Other Hazards No data available
Note: This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	GHS Classification	%
Dicalcium Phosphate	7757-93-9	231-826-1	Not Listed	*

3. COMPOSITION / INFORMATION ON INGREDIENTS

Starch, pregelatinized	9005-25-8	232-679-6	Not Listed	*
Microcrystalline cellulose	9004-34-6	232-674-9	Not Listed	*
Ascorbic acid (Vitamin C)	50-81-7	200-066-2	Not Listed	*
Magnesium oxide	1309-48-4	215-171-9	Not Listed	*
Zinc oxide	1314-13-2	215-222-5	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400)	<1.0
Manganese sulfate	7785-87-7	232-089-9	STOT RE 2 (H373) Aquatic Chronic 2 (H411)	<1.0
Niacinamide	98-92-0	202-713-4	Not Listed	*
Riboflavin (Vitamin B2)	83-88-5	201-507-1	Not Listed	*
Silicon dioxide, NF	7631-86-9	231-545-4	Not Listed	*
Corn Starch	9005-25-8	232-679-6	Not Listed	*
Sucrose	57-50-1	200-334-9	Not Listed	*
Cupric oxide	1317-38-0	215-269-1	Not Listed	*
Vitamin A Acetate	127-47-9	204-844-2	Not Listed	*
Folic Acid	59-30-3	200-419-0	Not Listed	*
Chromic chloride	10025-73-7	233-038-3	Not Listed	*
Potassium Iodide	7681-11-0	231-659-4	Not Listed	*
Magnesium stearate	557-04-0	209-150-3	Not Listed	*
DISODIUM METASILICATE	6834-92-0	229-912-9	STOT SE 3 (H335) Skin Corr. 1B (H314)	<0.01
Citric acid, anhydrous	77-92-9	201-069-1	Not Listed	*
Sodium Molybdate	7631-95-0	231-551-7	Not Listed	*
Sodium Selenate	13410-01-0	236-501-8	Acute Tox. 3 (H301) STOT RE 2 (H373) Acute Tox. 3 (H331)	<0.1
Butylated hydroxytoluene	128-37-0	204-881-4	Not Listed	*
Sodium Metavanadate	13718-26-8	237-272-7	Not Listed	*
Cyanocobalamin (Vitamin B12)	68-19-9	200-680-0	Not Listed	*
Nickel sulphate	10101-97-0	Not Listed	Acute Tox. 4 (H302) STOT RE 1 (H372) Muta. 2 (H341) Repr. 1B (H360D) Skin Irrit. 2 (H315) Carc. 1A (H350i) Acute Tox. 4 (H332)	<0.1
Stannous Chloride	10025-69-1	Not Listed	Not Listed	*
Cholecalciferol (Vitamin D3)	67-97-0	200-673-2	Acute Tox. 3 (H301) Acute Tox. 3 (H311) STOT RE 1 (H372) Acute Tox. 2 (H330)	<0.001
Sodium aluminosilicate	1344-00-9	215-684-8	Not Listed	*

Ingredient	CAS Number	EU EINECS/ELINCS List	GHS Classification	%
Sorbitol	6706-59-8	Not Listed	Not Listed	*
Mannitol	69-65-8	200-711-8	Not Listed	*
Gelatin	9000-70-8	232-554-6	Not Listed	*
Vitamin E, dl-tocopheryl acetate	52225-20-4	257-757-7	Not Listed	*
Maltodextrin	9050-36-6	232-940-4	Not Listed	*
Flavors	NOT ASSIGNED	Not Listed	Not Listed	*
Crospovidone	9003-39-8	Not Listed	Not Listed	*
Beta Carotene	7235-40-7	230-636-6	Not Listed	*

Calcium pantothenate	137-08-6	205-278-9	Not Listed	*
Stearic acid	57-11-4	200-313-4	Not Listed	*
Pyridoxine Hydrochloride (Vitamin B6)	58-56-0	200-386-2	Not Listed	*
Acacia	9000-01-5	232-519-5	Not Listed	*
Aspartame	22839-47-0	245-261-3	Not Listed	*
Hydrogenated soybean oil	8016-70-4	232-410-2	Not Listed	*
Hydrogenated Palm Oil	68514-74-9	271-056-3	Not Listed	*
Thiamine Mononitrate	532-43-4	208-537-4	Not Listed	*
FD & C Red No. 40, aluminum lake	68583-95-9	271-524-7	Not Listed	*
Lactose NF, monohydrate	64044-51-5	Not Listed	Not Listed	*
Magnesium borate	12007-62-4	Not Listed	Not Listed	*
Ascorbyl palmitate	137-66-6	205-305-4	Not Listed	*
Sodium benzoate	532-32-1	208-534-8	Not Listed	*
Lutein	127-40-2	204-840-0	Not Listed	*
Sodium ascorbate	134-03-2	205-126-1	Not Listed	*
Sodium citrate	68-04-2	200-675-3	Not Listed	*
Sorbic acid	110-44-1	203-768-7	Not Listed	*
Tocopherols	1406-66-2	Not Listed	Not Listed	*
Biotin	58-85-5	200-399-3	Not Listed	*
Glycerides, unsatd. mono- and di-	67701-32-0	266-951-0	Not Listed	*

Additional Information: * Proprietary
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.
In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

For the full text of the CLP/GHS abbreviations mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of First Aid Measures

Eye Contact: Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

Skin Contact: Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

Inhalation: Remove to fresh air and keep patient at rest. Seek medical attention immediately.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and Effects of Exposure: For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.

Medical Conditions Aggravated by Exposure: None known

Indication of the Immediate Medical Attention and Special Treatment Needed

Notes to Physician: None

5. FIRE FIGHTING MEASURES

Extinguishing Media: Extinguish fires with CO2, extinguishing powder, foam, or water.

Special Hazards Arising from the Substance or Mixture

Hazardous Combustion Products: Formation of toxic gases is possible during heating or fire.

Fire / Explosion Hazards: Not applicable

Advice for Fire-Fighters

During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Environmental Precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and Material for Containment and Cleaning Up

Measures for Cleaning / Collecting: Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

7. HANDLING AND STORAGE

Precautions for Safe Handling

If tablets or capsules are crushed and/or broken, avoid breathing dust and avoid contact with eyes. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store as directed by product packaging.

Specific end use(s): Consumer healthcare product used as dietary supplement

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Refer to available public information for specific member state Occupational Exposure Limits.

Dicalcium Phosphate

Latvia OEL - TWA	10 mg/m^3

Starch, pregelatinized

ACGIH Threshold Limit Value (TWA)	10 mg/m^3
Australia TWA	10 mg/m^3
Belgium OEL - TWA	10 mg/m^3
Bulgaria OEL - TWA	10.0 mg/m^3
Czech Republic OEL - TWA	4.0 mg/m^3
Greece OEL - TWA	10 mg/m^3 5 mg/m^3
Ireland OEL - TWAs	10 mg/m^3 4 mg/m^3
OSHA - Final PELS - TWAs:	15 mg/m^3

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Portugal OEL - TWA	10 mg/m^3
Slovakia OEL - TWA	4 mg/m^3
Spain OEL - TWA	10 mg/m^3
Switzerland OEL -TWAs	3 mg/m^3

Microcrystalline cellulose

ACGIH Threshold Limit Value (TWA)	10 mg/m^3
Australia TWA	10 mg/m^3
Belgium OEL - TWA	10 mg/m^3
Estonia OEL - TWA	10 mg/m^3
France OEL - TWA	10 mg/m^3
Ireland OEL - TWAs	10 mg/m^3 4 mg/m^3
Latvia OEL - TWA	2 mg/m^3
OSHA - Final PELS - TWAs:	15 mg/m^3
Portugal OEL - TWA	10 mg/m^3
Romania OEL - TWA	10 mg/m^3
Russia OEL - TWA	6 mg/m^3
Spain OEL - TWA	10 mg/m^3
Switzerland OEL -TWAs	3 mg/m^3
Vietnam OEL - TWAs	10 mg/m^3 5 mg/m^3

Magnesium oxide

ACGIH Threshold Limit Value (TWA)	10 mg/m^3
Australia TWA	10 mg/m^3
Austria OEL - MAKs	5 mg/m^3 10 mg/m^3
Belgium OEL - TWA	10 mg/m^3
Bulgaria OEL - TWA	10.0 mg/m^3
Czech Republic OEL - TWA	5 mg/m^3
Denmark OEL - TWA	6 mg/m^3
France OEL - TWA	10 mg/m^3
Germany (DFG) - MAK	1.5 mg/m^3 4 mg/m^3
Greece OEL - TWA	10 mg/m^3 5 mg/m^3
Hungary OEL - TWA	6 mg/m^3
Ireland OEL - TWAs	4 mg/m^3 5 mg/m^3 10 mg/m^3
Lithuania OEL - TWA	4 mg/m^3
OSHA - Final PELS - TWAs:	15 mg/m^3
Poland OEL - TWA	5 mg/m^3 10 mg/m^3
Portugal OEL - TWA	10 mg/m^3
Romania OEL - TWA	5 mg/m^3
Slovakia OEL - TWA	1.5 mg/m^3 4 mg/m^3
Spain OEL - TWA	10 mg/m^3
Switzerland OEL -TWAs	3 mg/m^3
Vietnam OEL - TWAs	5 mg/m^3

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Zinc oxide

ACGIH Threshold Limit Value (TWA)	2 mg/m^3
ACGIH Threshold Limit Value (STEL)	10 mg/m^3
Australia STEL	10 mg/m^3
Australia TWA	10 mg/m^3 5 mg/m^3
Austria OEL - MAKs	5 mg/m^3
Belgium OEL - TWA	10 mg/m^3 5 mg/m^3
Bulgaria OEL - TWA	5.0 mg/m^3
Czech Republic OEL - TWA	2 mg/m^3
Denmark OEL - TWA	4 mg/m^3
Estonia OEL - TWA	5 mg/m^3
Finland OEL - TWA	2 mg/m^3
France OEL - TWA	5 mg/m^3 10 mg/m^3
Germany (DFG) - MAK	1 mg/m^3
Greece OEL - TWA	5 mg/m^3
Hungary OEL - TWA	5 mg/m^3
Ireland OEL - TWAs	2 mg/m^3
Latvia OEL - TWA	0.5 mg/m^3
Lithuania OEL - TWA	5 mg/m^3
OSHA - Final PELS - TWAs:	5 mg/m^3 15 mg/m^3
Poland OEL - TWA	5 mg/m^3
Portugal OEL - TWA	2 mg/m^3
Romania OEL - TWA	5 mg/m^3
Russia OEL - TWA	0.5 mg/m^3
Slovakia OEL - TWA	1 mg/m^3
Slovenia OEL - TWA	5 mg/m^3
Spain OEL - TWA	2 mg/m^3
Sweden OEL - TWAs	5 mg/m^3
Switzerland OEL -TWAs	3 mg/m^3
Vietnam OEL - TWAs	5 mg/m^3

Manganese sulfate

ACGIH Threshold Limit Value (TWA)	0.02 mg/m^3 0.1 mg/m^3
Finland OEL - TWA	0.2 mg/m^3

Niacinamide

Latvia OEL - TWA	1 mg/m^3
Lithuania OEL - TWA	1 mg/m^3

Riboflavin (Vitamin B2)

Latvia OEL - TWA	1 mg/m^3
Lithuania OEL - TWA	1 mg/m^3

Silicon dioxide, NF

Australia TWA	2 mg/m^3
Austria OEL - MAKs	4 mg/m^3 0.3 mg/m^3

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Czech Republic OEL - TWA	0.1 mg/m^3
	4.0 mg/m^3
Estonia OEL - TWA	2 mg/m^3
Finland OEL - TWA	5 mg/m^3
Germany - TRGS 900 - TWAs	4 mg/m^3
Germany (DFG) - MAK	4 mg/m^3
Ireland OEL - TWAs	6 mg/m^3
	2.4 mg/m^3
Latvia OEL - TWA	1 mg/m^3
OSHA - Final PELs - Table Z-3 Mineral D:	20 mppcf
	Listed
Slovakia OEL - TWA	4.0 mg/m^3
Switzerland OEL -TWAs	4 mg/m^3
	0.3 mg/m^3

Corn Starch

ACGIH Threshold Limit Value (TWA)	10 mg/m^3
Australia TWA	10 mg/m^3
Belgium OEL - TWA	10 mg/m^3
Bulgaria OEL - TWA	10.0 mg/m^3
Czech Republic OEL - TWA	4.0 mg/m^3
Greece OEL - TWA	10 mg/m^3
	5 mg/m^3
Ireland OEL - TWAs	10 mg/m^3
	4 mg/m^3
OSHA - Final PELS - TWAs:	15 mg/m^3
Portugal OEL - TWA	10 mg/m^3
Slovakia OEL - TWA	4 mg/m^3
Spain OEL - TWA	10 mg/m^3
Switzerland OEL -TWAs	3 mg/m^3

Sucrose

ACGIH Threshold Limit Value (TWA)	10 mg/m^3
Australia TWA	10 mg/m^3
Belgium OEL - TWA	10 mg/m^3
Bulgaria OEL - TWA	10.0 mg/m^3
Estonia OEL - TWA	10 mg/m^3
France OEL - TWA	10 mg/m^3
Ireland OEL - TWAs	10 mg/m^3
Latvia OEL - TWA	5 mg/m^3
Lithuania OEL - TWA	10 mg/m^3
OSHA - Final PELS - TWAs:	15 mg/m^3
Portugal OEL - TWA	10 mg/m^3
Slovakia OEL - TWA	6 mg/m^3
Spain OEL - TWA	10 mg/m^3

Cupric oxide

ACGIH Threshold Limit Value (TWA)	1 mg/m^3
Finland OEL - TWA	1 mg/m^3

Chromic chloride

ACGIH Threshold Limit Value (TWA)	0.5 mg/m^3

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Potassium Iodide

ACGIH Threshold Limit Value (TWA)	0.01 ppm
Bulgaria OEL - TWA	5.0 mg/m^3

Magnesium stearate

ACGIH Threshold Limit Value (TWA)	10 mg/m^3
Lithuania OEL - TWA	5 mg/m^3
Sweden OEL - TWAs	5 mg/m^3

Sodium Molybdate

ACGIH Threshold Limit Value (TWA)	0.5 mg/m^3

Sodium Selenate

ACGIH Threshold Limit Value (TWA)	0.2 mg/m^3

Butylated hydroxytoluene

ACGIH Threshold Limit Value (TWA)	2 mg/m^3
Australia TWA	10 mg/m^3
Austria OEL - MAKs	10 mg/m^3
Belgium OEL - TWA	2 mg/m^3
Bulgaria OEL - TWA	10.0 mg/m^3
Denmark OEL - TWA	10 mg/m^3
Finland OEL - TWA	10 mg/m^3
France OEL - TWA	10 mg/m^3
Germany - TRGS 900 - TWAs	10 mg/m^3
Germany (DFG) - MAK	10 mg/m^3
Greece OEL - TWA	10 mg/m^3
Ireland OEL - TWAs	10 mg/m^3
Portugal OEL - TWA	2 mg/m^3
Slovenia OEL - TWA	10 mg/m^3
Spain OEL - TWA	10 mg/m^3
Switzerland OEL -TWAs	10 mg/m^3

Nickel sulphate

ACGIH Threshold Limit Value (TWA)	0.1 mg/m^3

Stannous Chloride

ACGIH Threshold Limit Value (TWA)	2 mg/m^3
Finland OEL - TWA	2 mg/m^3

Sodium aluminosilicate

ACGIH Threshold Limit Value (TWA)	1 mg/m^3

Folic Acid

Pfizer Occupational Exposure Band (OEB): OEB 3 (control exposure to the range of 10ug/m^3 to < 100ug/m^3)

Cholecalciferol (Vitamin D3)

Pfizer Occupational Exposure Band (OEB): OEB 5 (control exposure to <1ug/m^3)

Exposure Controls

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Engineering controls should be used as the primary means to control exposures.
Personal Protective Equipment:	Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).
Hands:	Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.
Eyes:	Wear safety glasses or goggles if eye contact is possible.
Skin:	Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.
Respiratory protection:	If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Tablets	**Color:**	Pink
Odor:	No data available.	**Odor Threshold:**	No data available.
Molecular Formula:	Mixture	**Molecular Weight:**	Mixture

Solvent Solubility:	No data available
Water Solubility:	No data available
pH:	No data available.
Melting/Freezing Point (°C):	No data available
Boiling Point (°C):	No data available.

Partition Coefficient: (Method, pH, Endpoint, Value)
Pyridoxine Hydrochloride (Vitamin B6)
No data available
Ascorbic acid (Vitamin C)
No data available
Beta Carotene
No data available
Sorbitol
No data available
Dicalcium Phosphate
No data available
Mannitol
No data available
Microcrystalline cellulose
No data available
Gelatin
No data available
Magnesium oxide
No data available
Vitamin E, dl-tocopheryl acetate
No data available
Acacia
No data available
Ascorbyl palmitate
No data available
Aspartame
No data available
Butylated hydroxytoluene
No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Biotin
No data available
Calcium pantothenate
No data available
Citric acid, anhydrous
No data available
Corn Starch
No data available
Crospovidone
No data available
Cyanocobalamin (Vitamin B12)
No data available
Folic Acid
No data available
Lactose NF, monohydrate
No data available
Lutein
No data available
Magnesium borate
No data available
Magnesium stearate
No data available
Maltodextrin
No data available
Manganese sulfate
No data available
Flavors
No data available
Niacinamide
No data available
Potassium Iodide
No data available
FD & C Red No. 40, aluminum lake
No data available
Riboflavin (Vitamin B2)
No data available
Silicon dioxide, NF
No data available
Sodium ascorbate
No data available
Sodium benzoate
No data available
Sodium citrate
No data available
Sodium Metavanadate
No data available
Sodium Molybdate
No data available
Sorbic acid
No data available
Stearic acid
No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Thiamine Mononitrate
No data available
Tocopherols
No data available
Vitamin A Acetate
No data available
Zinc oxide
No data available
DISODIUM METASILICATE
No data available
Hydrogenated soybean oil
No data available
Cholecalciferol (Vitamin D3)
No data available
Sucrose
No data available
Chromic chloride
No data available
Cupric oxide
No data available
Sodium aluminosilicate
No data available
Stannous Chloride
No data available
Sodium Selenate
No data available

Decomposition Temperature (°C): No data available.

Evaporation Rate (Gram/s): No data available
Vapor Pressure (kPa): No data available
Vapor Density (g/ml): No data available
Relative Density: No data available
Viscosity: No data available

Flammablity:

- **Autoignition Temperature (Solid) (°C):** No data available
- **Flammability (Solids):** No data available
- **Flash Point (Liquid) (°C):** No data available
- **Upper Explosive Limits (Liquid) (% by Vol.):** No data available
- **Lower Explosive Limits (Liquid) (% by Vol.):** No data available

10. STABILITY AND REACTIVITY

Reactivity: No data available
Chemical Stability: Stable under normal conditions of use.
Possibility of Hazardous Reactions

- **Oxidizing Properties:** No data available
- **Conditions to Avoid:** Fine particles (such as dust and mists) may fuel fires/explosions.
- **Incompatible Materials:** As a precautionary measure, keep away from strong oxidizers
- **Hazardous Decomposition Products:** No data available

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

General Information: The information included in this section describes the potential hazards of the individual ingredients.

Known Clinical Effects: Long-term intake of high levels of vitamin A (excluding that sourced from beta-carotene) may increase the risk of osteoporosis in adults

Acute Toxicity: (Species, Route, End Point, Dose)

Ascorbic acid (Vitamin C)
Rat Oral LD 50 11.9 g/kg

Mannitol
Rat Oral LD 50 13500 mg/kg
Mouse Oral LD 50 22 g/kg

Microcrystalline cellulose
Rat Oral LD50 > 5000 mg/kg
Rabbit Dermal LD50 > 2000 mg/kg

Butylated hydroxytoluene
Rat Oral LD50 1700 mg/kg
Mouse Oral LD50 650 mg/kg
Rat Oral LD50 890 mg/kg
Mouse Intraperitoneal LD 50 138 mg/kg

Citric acid, anhydrous
Rat Oral LD50 3000 mg/kg

Folic Acid
Mouse Oral LD 50 10 g/kg

Magnesium stearate
Rat Oral LD50 > 2000 mg/kg
Rat Inhalation LC50 > 2000 mg/m^3

Manganese sulfate
Rat Oral LD50 2150 mg/kg

Sodium benzoate
Rat Oral LD50 4,070 mg/kg
Mouse Oral LD50 1600mg/kg

Sodium Metavanadate
Rat Oral LD 50 98

Sodium Molybdate
Rat Oral LD50 4000 mg/kg

11. TOXICOLOGICAL INFORMATION

Sorbic acid
Rat Oral LD50 7360 mg/kg
Mouse Oral LD50 3200mg/kg

Stearic acid
Rat Oral LD50 > 4640 mg/kg
Rabbit Dermal LD50 > 5000mg/kg

Zinc oxide
Mouse Oral LD50 7950 mg/kg
Rat IP LD50 240mg/kg
Mouse Inhalation LD50 2500mg/m^3
Rat Oral LD 50 >5000mg/kg

Cholecalciferol (Vitamin D3)
Rat Oral LD50 42 mg/kg
Mouse Sub-tenon injection (eye) LD 50 136 mg/kg
Rat Inhalation LC50/4h 0.13-0.38mg/L
Rat Dermal LD50 61-185mg/kg

Sucrose
Rat Oral LD50 29.7 g/kg

Sodium Selenate
Rat Oral LD 50 1600

Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

Irritation / Sensitization: (Study Type, Species, Severity)

Microcrystalline cellulose
Skin Irritation Rabbit Non-irritating
Eye Irritation Rabbit Non-irritating

Acacia
Eye Irritation Rabbit Severe

Butylated hydroxytoluene
Eye Irritation Rabbit Moderate
Skin Irritation Rabbit Moderate

Citric acid, anhydrous
Eye Irritation Rabbit Severe
Skin Irritation Rabbit Mild

Stearic acid

11. TOXICOLOGICAL INFORMATION

Skin Irritation Rabbit Moderate
Eye Irritation Rabbit Mild

Zinc oxide
Eye Irritation Rabbit Mild
Skin Irritation Rabbit Mild

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Butylated hydroxytoluene
4 Week(s) Rat Oral 5185 mg/kg LOAEL Liver
4 Day(s) Mouse Oral 2000 mg/kg LOAEL Liver, Kidney, Ureter, Bladder

Sodium benzoate
10 Day(s) Rat Oral 27370 mg/kg LOAEL Liver, Blood
10 Day(s) Mouse Oral 45 g/kg LOAEL Liver, Kidney, Blood, Ureter, Bladder

Stearic acid
30 Week(s) Rat Oral 300 ppm LOAEL Adipose tissue

Reproduction & Development Toxicity: (Duration, Species, Route, Dose, End Point, Effect(s))

Butylated hydroxytoluene
Embryo / Fetal Development Rat Oral 6 g/kg LOEL Teratogenic,

Sodium benzoate
Embryo / Fetal Development Rat Oral 44 g/kg LOEL Developmental toxicity,

Cholecalciferol (Vitamin D3)
Embryo / Fetal Development Rat Subcutaneous 90 mg/kg/day LOEL Teratogenic

Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

Stearic acid
In Vitro Bacterial Mutagenicity (Ames) *Salmonella* Negative
Unscheduled DNA Synthesis *E. coli* Negative

Cholecalciferol (Vitamin D3)
In Vitro Bacterial Mutagenicity (Ames) *Salmonella* Negative

Sucrose
Bacterial Mutagenicity (Ames) *Salmonella* Negative

Stearic acid
26 Week(s) Rat Subcutaneous 0.5 mg/kg/week NOAEL Not carcinogenic
52 Week(s) Mouse Subcutaneous 0.05 mg/kg/week LOAEL Tumors

Carcinogen Status: None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA. See below

11. TOXICOLOGICAL INFORMATION

Butylated hydroxytoluene
IARC: Group 3 (Not Classifiable)

Crospovidone
IARC: Group 3 (Not Classifiable)

Chromic chloride
IARC: Group 3 (Not Classifiable)

12. ECOLOGICAL INFORMATION

Environmental Overview: Environmental properties have not been investigated. Releases to the environment should be avoided.

Toxicity:

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

Zinc oxide
Tadpole EC50 48 Hours 3.2 mg/L

Persistence and Degradability: No data available

Bio-accumulative Potential: No data available

Mobility in Soil: No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Sorbitol

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

Dicalcium Phosphate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	231-826-1

Mannitol

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	200-711-8

Starch, pregelatinized

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	232-679-6

Microcrystalline cellulose

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex XVII - Restrictions on Certain Dangerous Substances:	Use restricted. See item 9[f]. powder
EU EINECS/ELINCS List	232-674-9

Ascorbic acid (Vitamin C)

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present

15. REGULATORY INFORMATION

REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	200-066-2

Gelatin

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	232-554-6

Magnesium oxide

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	215-171-9

Vitamin E, dl-tocopheryl acetate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Australia (AICS):	Present
EU EINECS/ELINCS List	257-757-7

Maltodextrin

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	232-940-4

Flavors

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

Crospovidone

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	Not Listed

Beta Carotene

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	230-636-6

15. REGULATORY INFORMATION

Zinc oxide

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	215-222-5

Manganese sulfate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	232-089-9

Niacinamide

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	202-713-4

Calcium pantothenate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	205-278-9

Stearic acid

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-313-4

Riboflavin (Vitamin B2)

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	201-507-1

Silicon dioxide, NF

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	231-545-4

15. REGULATORY INFORMATION

Pyridoxine Hydrochloride (Vitamin B6)

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-386-2

Corn Starch

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	232-679-6

Sucrose

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	200-334-9

Acacia

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	232-519-5

Aspartame

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	245-261-3

Hydrogenated soybean oil

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	232-410-2

Hydrogenated Palm Oil

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present

15. REGULATORY INFORMATION

EU EINECS/ELINCS List	271-056-3

Cupric oxide

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	215-269-1

Thiamine Mononitrate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	208-537-4

FD & C Red No. 40, aluminum lake

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	271-524-7

Lactose NF, monohydrate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	Not Listed

Vitamin A Acetate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	204-844-2

Folic Acid

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 2 Schedule 4
EU EINECS/ELINCS List	200-419-0

Magnesium borate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

15. REGULATORY INFORMATION

Ascorbyl palmitate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	205-305-4

Chromic chloride

CERCLA/SARA 313 Emission reporting	Not Listed
CERCLA/SARA - Section 302 Extremely Hazardous	1 lb
TPQs	10000 lb
CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs	1 lb
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	233-038-3

Sodium benzoate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	208-534-8

Lutein

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	204-840-0

Sodium ascorbate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	205-126-1

Potassium Iodide

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	231-659-4

Magnesium stearate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present

15. REGULATORY INFORMATION

EU EINECS/ELINCS List	209-150-3

Sodium citrate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-675-3

DISODIUM METASILICATE

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	229-912-9

Citric acid, anhydrous

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	201-069-1

Sorbic acid

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	203-768-7

Sodium Molybdate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	231-551-7

Sodium Selenate

CERCLA/SARA 313 Emission reporting	Not Listed
CERCLA/SARA - Section 302 Extremely Hazardous	100 lb
TPQs	10000 lb
CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs	100 lb
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	236-501-8

Tocopherols

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	Not Listed

15. REGULATORY INFORMATION

Butylated hydroxytoluene

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	204-881-4

Biotin

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-399-3

Sodium Metavanadate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	237-272-7

Cyanocobalamin (Vitamin B12)

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-680-0

Nickel sulphate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
REACH - Annex XVII - Restrictions on Certain Dangerous Substances:	Use restricted. See item 27.
REACH - Carcinogens Category 1:	Present
REACH - Toxic to Reproduction Category 2:	Present
EU EINECS/ELINCS List	Not Listed

Stannous Chloride

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Australia (AICS):	Present
EU EINECS/ELINCS List	Not Listed

Cholecalciferol (Vitamin D3)

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 7
EU EINECS/ELINCS List	200-673-2

15. REGULATORY INFORMATION

Sodium aluminosilicate

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	215-684-8

Glycerides, unsatd. mono- and di-

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	266-951-0

16. OTHER INFORMATION

Text of CLP/GHS Classification abbreviations mentioned in Section 3

Acute toxicity, oral-Cat.3; H301 - Toxic if swallowed
Acute toxicity, dermal-Cat.3; H311 - Toxic in contact with skin
Acute toxicity, inhalation-Cat.2; H330 - Fatal if inhaled
Specific target organ toxicity, repeated exposure-Cat.1; H372 - Causes damage to organs through prolonged or repeated exposure
Specific target organ toxicity, single exposure; Respiratory tract irritation-Cat.3; H335 - May cause respiratory irritation
Skin corrosion/irritation-Cat.1B; H314 - Causes severe skin burns and eye damage
Specific target organ toxicity, repeated exposure-Cat.2; H373 - May cause damage to organs through prolonged or repeated exposure
Hazardous to the aquatic environment, chronic toxicity-Cat.2; H411 - Toxic to aquatic life with long lasting effects
Hazardous to the aquatic environment, acute toxicity-Cat.1; H400 - Very toxic to aquatic life
Hazardous to the aquatic environment, acute toxicity-Cat.2; H410 - Very toxic to aquatic life with long lasting effects
Germ cell mutagenicity-Cat.2; H341 - Suspected of causing genetic defects
Reproductive toxicity-Cat.1B; H360D - May damage the unborn child
Skin corrosion/irritation-Cat.2; H315 - Causes skin irritation
Carcinogenicity-Cat.1A; H350 - May cause cancer by inhalation
Acute toxicity, inhalation-Cat.4; H332 - Harmful if inhaled

Data Sources:	Publicly available toxicity information. Pfizer proprietary drug development information. Safety data sheets for individual ingredients.
Reasons for Revision:	Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. Updated Section 16 - Other Information.
Revision date:	26-Oct-2015
	Product Stewardship Hazard Communication
Prepared by:	Pfizer Global Environment, Health, and Safety Operations

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End of Safety Data Sheet