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

1.1 Product identifiers

Product Name	:	Silver Bullets
Product Number	:	HR2-096
Product type	:	Liquid
REACH No.	:	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses	:	For research use only. Not for drug, household, or other use.

1.3 Details of the supplier of the Safety Data Sheet

Company	:	Hampton Research 34 Journey Aliso Viejo, CA 92656-3317 United States
Telephone	:	949 425 1321 Telephone technical support is available 8:00 a.m. to 4:30 p.m. USA Pacific Standard Time.
Fax	:	949 425 1611 Fax Technical Support is available 24 hours a day.
e-mail	:	tech@hrmail.com e-mail Technical Support is available 24 hours a day.

1.4 Emergency telephone number

Emergency phone	:	949 425 1321
For **CHEMTREC** Assistance	:	800 424 9300
For **CHEMTREC** Assistance	:	703 527 3887 (International)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

see SECTION 16

Classification according to EU Directives 67/548/EEC or 1999/45/EC

see SECTION 16

Additional information:

Relevant R-phrase(s), S-phrase(s), GHS pictogram(s), Hazard statement(s), and Precautionary statement(s) please see SECTION 16

(CONTINUED) - SECTION 2: Hazards Identification

2.2 Label elements

Hazard pictogram	:	Not applicable
Signal word	:	Not applicable
Hazard statement(s)	:	Not applicable
Precautionary statement(s)	:	Not applicable
Supplemental Hazard Statements	:	Not applicable

2.3 Other hazards : none

SECTION 3: Composition/information on ingredients

Refer to Section 16

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

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

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

No specific treatment.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

None known

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further Information

No data available

SECTION 6: Accidental Release Measures

6.1 Personal Precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see SECTION 8 and 13.

SECTION 7: Handling and Storage

7.1 Personal Precautions

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

See Section 8 for additional information on hygiene measures. For precautions see section 16.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end uses

A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

Consult a physician. Show this safety data sheet to the doctor in attendance.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls

See SECTION 6

SECTION 9: Physical and Chemical Properties

No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

(CONTINUED) - SECTION 10: Stability and Reactivity

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Other decomposition products - no data available

SECTION 11: Toxicological Information

Refer to Section 16

SECTION 12: Ecological Information

Refer to Section 16

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transportation Information

14.1 UN number

ADR/RID: 3316 IMDG: 3316 IATA: 3316

14.2 UN proper shipping name

ADR/RID: CHEMICAL KIT
IMDG: CHEMICAL KIT
IATA: Chemical kit

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: No IMDG Marine pollutant: No IATA: No

(CONTINUED) - SECTION 14: Transportation Information

14.6 Special precautions for user

No data available

SECTION 15: Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006.

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

No data available

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other Information

Kit Components							
Substance Name	**[CAS]**	**R-Phrase**	**S-Phrase**	**GHS Pictogram**	**Hazard Statement**	**Precautionary Statement**	**WKG**
(±)-2-Methyl-2,4-pentanediol	107-41-5	36/38		GHS07	H315-H319	P305 + P351 + P338	1
1,2,3-Heptanetriol	103404-57-5						3
1,2-Diaminocyclohexane sulfate	65433-80-9			GHS07	H302, H315, H319, H335	P261, P305 + P351 + P338	
1,3,5-Pentanetricarboxylic acid	6940-58-5			GHS07	H319	P264, P280, P305 + P351 + P338, P337 + P313	
1,3-Propanediol	504-63-2	38		GHS07	H315		3
1,4-Cyclohexanedicarboxylic acid	1076-97-7	22-36	26-36	GHS07	H302-H319	P305 + P351 + P338	3
1,4-Diaminobutane	110-60-1	11-21/22-23-34	16-26-36/37/39-45	GHS02, GHS05, GHS06	H228-H302 + H312-H314-H331	P210-P261-P280-P305 + P351 + P338-P310	3
1,5-Naphthalenedisulfonic acid disodium salt	1655-29-4						1
1,6-Hexanediol	629-11-8						
1,8-Diaminooctane	373-44-4	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	2
2,2'-Thiodiglycolic acid	123-93-3	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	2
2,5-Pyridinedicarboxylic acid	100-26-5	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
2,6-Naphthalenedisulfonic acid disodium salt	1655-45-4						3
2,7-Naphthalenedisulfonic acid disodium salt	1655-35-2						3
2-Aminobenzenesulfonic acid	88-21-1	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3

(CONTINUED) - SECTION 16: Other Information

Kit Components							
Substance Name	**[CAS]**	**R-Phrase**	**S-Phrase**	**GHS Pictogram**	**Hazard Statement**	**Precautionary Statement**	**WKG**
3,5-Dinitrosalicylic acid	609-99-4	22-37/38	22-24/25	GHS07	H302-H315-H335	P261	3
3-Aminobenzenesulfonic acid	121-47-1	20/21/22	25-28	GHS07	H302-H312-H332	P280	3
3-Aminobenzoic acid	99-05-8	22-36/37/38	26	GHS07	H302-H315-H319-H335	P261-P305 + P351 + P338	2
3-Aminosalicylic acid	570-23-0	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
3-Indolebutyric acid	133-32-4	25-36/37/38	26-36-45	GHS06	H301-H315-H319-H335	P261-P301 + P310-P305 + P351 + P338	3
4-Aminobenzoic acid	150-13-0	36/37/38-43	26-36	GHS07	H315-H317-H319-H335	P261-P280-P305 + P351 + P338	2
4-Aminobutyric acid	56-12-2	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
4-Hydroxyphenylacetic acid	156-38-7	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
4-Nitrobenzoic acid	62-23-7	22-36	26	GHS07	H302-H319	P305 + P351 + P338	1
5-Sulfoisophthalic acid mono-sodium salt	6362-79-4	36/37/38	26-37/39	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
5-Sulfosalicylic acid dihydrate	5965-83-3	22-36/37/38	26-36/37/39-45	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
6-Aminohexanoic acid	60-32-2	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
Adipic acid	124-04-9	41	26-39	GHS05	H318	P280-P305 + P351 + P338	1
Ala-ala	1948-31-8						3
Ala-gly	687-69-4						3
Anthraquinone-2,6-disulfonic acid disodium salt	853-68-9	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Anthrone	90-44-8	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Aspartame	22839-47-0						2
Azelaic acid	123-99-9			GHS07	H319	P305 + P351 + P338	1
Barbituric acid	67-52-7						1
Benzamidine hydrochloride	1670-14-0	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Benzenephosphonic acid	1571-33-1	22-34	26-36/37/39-45	GHS05, GHS07	H302-H314	P280-P305 + P351 + P338-P310	3
Benzidine	92-87-5	45-22-50/53	53-45-60-61	GHS07, GHS08, GHS09	H302-H350-H410	P201-P273-P308 + P313-P501	3
Benzoic acid	65-85-0	37-41	26-39	GHS05, GHS07	H318-H335	P261-P280-P305 + P351 + P338	1
Betaine anhydrous	107-43-7						3
Cadaverine	462-94-2	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3

(CONTINUED) - SECTION 16: Other Information

Kit Components							
Substance Name	**[CAS]**	**R-Phrase**	**S-Phrase**	**GHS Pictogram**	**Hazard Statement**	**Precautionary Statement**	**WKG**
Cadmium chloride hydrate	654054-66-7	45-46-60-61-25-26-48/23/25-50/53	53-45-60-61	GHS06, GHS08, GHS09	H301-H330-H340-H350-H360FD-H372-H410	P201-P260-P273-P284-P301 + P310-P310	3
Caffeine	58-08-2	22		GHS07	H302		1
Calcium chloride dihydrate	10035-04-8	36	22-24	GHS07	H319	P305 + P351 + P338	1
Casein	9000-71-9						3
CHAPS	75621-03-3	61-36/37/38	53-26-45	GHS07, GHS08	H315-H319-H335-H360D	P201-P261-P305 + P351 + P338-P308 + P313	nwg
Cobalt(II) chloride hexahydrate	7791-13-1	49-60-22-42/43-50/53-68	53-45-60-61	GHS07, GHS08, GHS09	H302-H317-H334-H341-H350i-H360F-H410	P201-P261-P273-P280-P308 + P313-P501	3
Congo Red	573-58-0	45-63	53-45	GHS07, GHS08	H319-H350-H361d	P201-P281-P305 + P351 + P338-P308 + P313	3
Copper(II) chloride dihydrate	10125-13-0	21/22-38-41-50	26-36/37/39-60-61	GHS05, GHS07, GHS09	H290-H302 + H312-H315-H318-H400-H411	P273-P280-P305 + P351 + P338	3
Cystamine dihydrochloride	56-17-7	22		GHS07	H302		3
Cystathionine	535-34-2						
Cytosine	71-30-7	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	1
D-(+)-Cellobiose	528-50-7						3
D-(+)-Maltose monohydrate	6363-53-7						3
D-(+)-Maltotriose	207511-08-8						3
D-(+)-Melezitose hydrate	207511-10-2						3
D-(+)-Melibiose monohydrate	585-99-9						3
D-(+)-Raffinose pentahydrate	17629-30-0						3
D-(+)-Trehalose dihydrate	6138-23-4						2
D-3-Phosphoglyceric acid disodium salt							3
Deoxyribonuclease I	9003-98-9						3
Deoxyribonucleic acid	100403-24-5						3
Dextran sulfate sodium salt	9011-18-1						2
Dextranase	9025-70-1						3
D-Fructose 1,6-bisphosphate trisodium salt octahydrate	38099-82-0						3
D-Glucose 6-phosphate sodium salt	54010-71-8						3
Diethylenetriaminepentakis(methylphosphonic acid)	15827-60-8	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	1

(CONTINUED) - SECTION 16: Other Information

Kit Components							
Substance Name	**[CAS]**	**R-Phrase**	**S-Phrase**	**GHS Pictogram**	**Hazard Statement**	**Precautionary Statement**	**WKG**
Diloxanide furoate	3736-81-0	22	36	GHS07	H302		3
Dithioerythritol	6892-68-8	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Dodecanedioic acid	693-23-2	36	26	GHS07	H319	P305 + P351 + P338	nwg
D-Sorbitol	50-70-4						nwg
Fumaric acid	110-17-8	36	26	GHS07	H319	P305 + P351 + P338	1
Gadolinium(III) chloride hexa-hydrate	13450-84-5	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Gallic acid monohydrate	5995-86-8	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
Glutaric acid	110-94-1	36	26	GHS07	H319	P305 + P351 + P338	1
Gly-asp	4685-12-5						3
Glycerol	56-81-5						1
Glycerol phosphate disodium salt hydrate	154804-51-0						3
Glycine	56-40-6						1
Gly-gly	556-50-3	36	26	GHS07	H319	P305 + P351 + P338	3
Gly-gly-gly	556-33-2						3
Gly-gly-gly-gly	637-84-3						3
Gly-phe	3321-03-7						3
Gly-ser	7361-43-5						3
Gly-tyr	658-79-7						3
Guanidine hydrochloride	50-01-1	22-36/38	22	GHS07	H302-H315-H319	P305 + P351 + P338	2
Hemoglobin	9008-02-0						3
HEPES	7365-45-9						3
HEPES sodium pH 6.8	75277-39-3						3
Hexadecanedioic acid							3
Hexamminecobalt(III) Chloride	10534-89-1	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Hippuric acid	495-69-2	22-37/38-41					3
L-(-)-Threonine	72-19-5						1
L-(+)-Lysine	56-87-1						1
L-Alanine	56-41-7						1
L-Arginine	74-79-3						1
L-Asparagine monohydrate	5794-13-8						1
L-Aspartic acid	56-84-8						1
L-Canavanine	543-38-4	20/21/22	36	GHS07	H302-H312-H332		3
L-Carnitine hydrochloride	6645-46-1	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
L-Citrulline							3
L-Cystine	56-89-3						3

(CONTINUED) - SECTION 16: Other Information

Kit Components							
Substance Name	**[CAS]**	**R-Phrase**	**S-Phrase**	**GHS Pictogram**	**Hazard Statement**	**Precautionary Statement**	**WKG**
Leu-gly-gly	1187-50-4						3
L-Glutamic acid	56-86-0						1
L-Glutamine	56-85-9						1
L-Histidine	71-00-1						1
L-Isoleucine	73-32-5						1
L-Leucine	61-90-5						1
L-Methionine	63-68-3						1
L-O-Phosphoserine	407-41-0						3
L-Ornithine hydrochloride	3184-13-2	36	26	GHS07	H319	P305 + P351 + P338	2
L-Phenylalanine	63-91-2						1
L-Proline	147-85-3						1
L-Serine	56-45-1						1
L-seryl-L-glutamic acid	6403-16-3						3
L-Tryptophan	73-22-3						1
L-Tyrosine	60-18-4	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	1
L-Valine	72-18-4						1
Magnesium chloride hexahydrate	7791-18-6						1
Maleic acid	110-16-7	22-36/37/38-43	24-26-28-37-46	GHS07	H302-H315-H317-H319-H335	P261-P280-P305 + P351 + P338	1
Manganese(II) chloride tetrahydrate	13446-34-9	22-52		GHS07	H302		1
m-Benzenedisulfonic acid disodium salt	831-59-4	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	1
Melatonin	73-31-4						2
Mellitic acid	517-60-2	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
MES monohydrate	145224-94-8	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Methylenediphosphonic acid	1984-15-2	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3
myo-Inositol	87-89-8						2
N-(2-acetamido)-2-aminoethanesulfonic acid	7365-82-4						3
N-(2-carboxyethyl)-iminodiacetic acid	6245-75-6						1
Naphthalene-1,3,6-trisulfonic acid trisodium salt hydrate	123409-01-8	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Nickel(II) chloride hexahydrate	7791-20-0	49-61-23/25-38-42/43-48/23-50/53-68	53-45-60-61	GHS06, GHS08, GHS09	H301 + H331-H315-H317-H334-H341-H350i-H360D-H372-H410	P201-P261-P273-P280-P301 + P310-P311	3
Nicotinamide	98-92-0	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	1

(CONTINUED) - SECTION 16: Other Information

Kit Components							
Substance Name	**[CAS]**	**R-Phrase**	**S-Phrase**	**GHS Pictogram**	**Hazard Statement**	**Precautionary Statement**	**WKG**
O-Phospho-L-tyrosine	21820-51-9						3
o-Sulfobenzoic acid monoammonium salt	6939-89-5						
Ovalbumin	9006-59-1	42	22-45	GHS08	H334	P261-P342 + P311	2
Ovalbumin digested with Proteinase K, Trypsin and Pepsin							
Oxalacetic acid	328-42-7	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3
Oxalic acid anhydrous	144-62-7	21/22-41	26-36-37-39		H302 + H312-H318	P280-P305 + P351 + P338	1
Oxamic acid	471-47-6	36/37/38	26-36		H315-H319-H335	P261-P305 + P351 + P338	3
p-Coumaric acid	501-98-4	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
Pentaglycine	7093-67-6						3
Pepsin	9001-75-6	36/37/38-42	22-24-26-36/37	GHS07, GHS08	H315-H319-H334-H335	P261-P305 + P351 + P338-P342 + P311	1
Phenol	108-95-2	23/24/25-34-48/20/21/22-68	24/25-26-28-36/37/39-45	GHS05, GHS06, GHS08, GHS09		P261-P273-P280-P301 + P310-P305 + P351 + P338-P310	2
Phenylglyoxal monohydrate	1074-12-0	22-36/37/38	22-26-36	GHS07	H302-H315-H319-H335	P261-P305 + P351 + P338	3
Phenylurea	64-10-8	22		GHS07	H302		3
Phloroglucinol	108-73-6	36/37/38-43	26-36/37	GHS07	H315-H317-H319-H335	P261-P280-P305 + P351 + P338	2
Phytic acid sodium salt hydrate	14306-25-3				H315-H317-H319-H335	P261-P280-P305 + P351 + P338	3
Pimelic acid	111-16-0	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
PIPES	5625-37-6						3
Poly(3-hydroxybutyric acid)	29435-48-1						3
Protamine sulfate	53597-25-4						3
Protease	9014-01-1	22-37/38-41-42-50	22-24-26-36/37/39-61	GHS05, GHS07, GHS08, GHS09	H302-H315-H318-H334-H335-H410	P261-P273-P280-P305 + P351 + P338-P342 + P311	1
Proteinase K	39450-01-6	36/37/38-42	22-24-26-36/37	GHS07, GHS08	H315-H319-H334-H335	P261-P305 + P351 + P338-P342 + P311	1
Pyromellitic acid	89-05-4						3
Resorcinol	108-46-3	22-38-41-50	26-39-61		H302-H315-H318-H400	P273-P280-P305 + P351 + P338	2
Rhenium(IV) oxide	12036-09-8						3

(CONTINUED) - SECTION 16: Other Information

Kit Components							
Substance Name	**[CAS]**	**R-Phrase**	**S-Phrase**	**GHS Pictogram**	**Hazard Statement**	**Precautionary Statement**	**WKG**
Ribonuclease A	9001-99-4						3
Ribonucleic acid	63231-63-0						3
Salicin	138-52-3	43	36/37	GHS07	H317	P280	3
Salicylamide	65-45-2	22-36/37/38	26-36	GHS07	H302-H315-H319-H335	P261-P305 + P351 + P338	3
Salicylic acid	69-72-7	22-41	26-39	GHS05, GHS07	H302-H318	P280-P305 + P351 + P338	1
Samarium(III) chloride hexa-hydrate	13465-55-9						3
Sarcosine	107-97-1						1
Sebacic acid	111-20-6						1
Ser-tyr	21435-27-8						3
Sodium 1-pentanesulfonate monohydrate	207605-40-1						3
Sodium 4-aminosalicylate dihydrate	6018-19-5	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Sodium bromide	7647-15-6		17-26				1
Sodium nitrate	7631-99-4	8-36	17-26	GHS03, GHS07	H272-H319	P220-P305 + P351 + P338	1
Sodium phosphate dibasic dihydrate	10028-24-7						1
Sodium pyrophosphate tetra-basic decahydrate	13472-36-1	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	1
Sodium tetraborate decahydrate	1303-96-4	60-61	53-45	GHS08	H360FD	P201-P308 + P313	1
Sodium triphosphate penta-basic	7758-29-4						1
Spermidine	124-20-9	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3
Spermine	71-44-3	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3
Stachyose hydrate	54261-98-2						1
Suberic acid	505-48-6	36	26	GHS07	H319	P305 + P351 + P338	1
Sulfaguanidine	57-67-0	36/37/38	26-36	GHS07	H315-H319-H335	P280-P305 + P351 + P338-P337 + P313	3
Sulfanilamide	63-74-1						3
Sulfanilic acid	121-57-3	36/38-43	24-37	GHS07	H315-H317-H319	P280-P305 + P351 + P338	1
TACSIMATE pH 7.0							
Taurine	107-35-7	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
Terephthalic acid	100-21-0						3
Tetrahydroxy-1,4-benzoqui-none hydrate	123334-16-7	36/37/38	26-36		H315-H319-H335	P261-P305 + P351 + P338	

(CONTINUED) - SECTION 16: Other Information

Kit Components							
Substance Name	**[CAS]**	**R-Phrase**	**S-Phrase**	**GHS Pictogram**	**Hazard Statement**	**Precautionary Statement**	**WKG**
trans-1,2-Cyclohexanedi-carboxylic acid	2305-32-0	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
trans-Aconitic acid	4023-65-8						3
trans-Cinnamic acid	140-10-3	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Trimellitic acid	528-44-9	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	2
Trimesic acid	554-95-0	36/37/38	26-36/37/39	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Trimethylamine N-oxide dihydrate	62637-93-8	36/38	26-36	GHS07	H315-H319	P305 + P351 + P338	2
Tris	77-86-1						2
Trypsin	9002-07-7	36/37/38-42	22-24-26-36/37	GHS07, GHS08			1
Tryptone	91079-40-2						3
Tyr-ala	730-08-5						3
Tyr-phe	17355-11-2						3
Urea	57-13-6						1
Vanillic acid	121-34-6						1
Zinc chloride	7646-85-7	22-34-50/53	26-36/37/39-45-60-61	GHS05, GHS07, GHS09	H302-H314-H410	P273-P280-P305 + P351 + P338-P310-P501	3
α-Amylase	9000-90-2	42	22-24-36/37	GHS08	H334	P261-P342 + P311	1
β-Alanine	107-95-9						3
β-Cyclodextrin	7585-39-9						2

Relevant R-phrase(s), S-phrase(s), GHS Pictogram(s), Hazard statement(s), and Precautionary statement(s)

Risk Phrase(s)

R 8 : Contact with combustible material may cause fire
R 11 : Highly Flammable
R 20/21/22 : Harmful by inhalation, in contact with skin and if swallowed
R 21/22 : Harmful in contact with skin and if swallowed
R 22 : Harmful if swallowed
R 23 : Toxic by inhalation
R 23/24/25 : Toxic by inhalation, in contact with skin and if swallowed
S 23/25 : Toxic by inhalation and if swallowed
R 25 : Toxic if swallowed
R 26 : Very Toxic by inhalation
R 34 : Causes burns
R 36 : Irritating to the eyes
R 36/38 : Irritating to eyes and skin
R 36/37/38 : Irritating to eyes, respiratory system and skin
R 37 : Irritating to the respiratory system
R 37/38 : Irritating to respiratory system and skin

(CONTINUED) - SECTION 16: Other Information

Relevant R-phrase(s), S-phrase(s), GHS Pictogram(s), Hazard statement(s), and Precautionary statement(s)

(CONTINUED) - Risk Phrase(s)

R 38 : Irritating to the skin
R 41 : Risk of serious damage to eyes
R 42 : May cause sensitization by inhalation
R 42/43 : May cause sensitization by inhalation and skin contact
R 43 : May cause sensitization by skin contact
R 45 : May cause cancer
R 46 : May cause heritable genetic damage
R 48/20/21/22 : Harmful: danger of serious damage to health by prolonged exposure through inhalation, and in contact with skin and if swallowed
R 48/23 : Toxic: danger of serious damage to health by prolonged exposure through inhalation
R 48/23/25 : Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
R 49 : May cause cancer by inhalation
R 50 : Very Toxic to aquatic organisms
R 50/53 : Very Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 52 : Harmful to aquatic organisms
R 53 : May cause long-term adverse effects in the aquatic environment
R 60 : May impair fertility
R 61 : May cause harm to the unborn child
R 63 : Possible risk of irreversible effects
R 68 : Possible risk of harm to the unborn child

Safety Phrase(s)

S 16 : Keep away from sources of ignition - No smoking
S 17 : Keep away from combustible material
S 22 : Do not breathe dust
S 24 : Avoid contact with skin
S 24/25 : Avoid contact with skin and eyes
S 25 : Avoid contact with eyes
S 26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S 28 : After contact with skin, wash immediately with plenty of water
S 36 : Wear suitable protective clothing
S 36/37/39 : Wear suitable protective clothing, gloves and eye/face protection
S 36/37 : Wear suitable protective clothing and gloves
S 37 : Wear suitable gloves
S 37/39 : Wear suitable gloves and eye/face protection
S 38 : In case of insufficient ventilation, wear suitable respiratory equipment
S 39 : Wear eye/face protection
S 45 : In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
S 46 : If swallowed, seek medical advice immediately and show this container or label
S 49 : Keep only in the original container
S 53 : Avoid exposure - obtain special instruction before use
S 60 : This material and/or its container must be disposed of as hazardous waste
S 61 : Avoid release to the environment. Refer to special instructions safety data sheet

(CONTINUED) - SECTION 16: Other Information

GHS Pictogram

GHS02 : Flammable liquids 

GHS05 : Eye Irritation 

GHS06 : Acute Toxicity 

GHS07 : Acute Toxicity 

GHS08 : Health Hazard 

GHS09 : Hazardous to aquatic environment 

Hazard statement(s)

H228 : Flammable solid
H272 : May intensify fire; oxidizer
H290 : May be corrosive to metals
H301 : Toxic if swallowed
H302 : Harmful if swallowed
H302 + H312 : Harmful if swallowed or in contact with skin
H312 : Harmful in contact with skin
H314 : Causes severe skin burns and eye damage
H315 : Causes skin irritation
H317 : May cause an allergic skin reaction
H318 : Causes serious eye damage
H319 : Causes serious eye irritation
H330 : Fatal if inhaled
H331 : Toxic if inhaled
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 : May cause respiratory irritation
H341 : Suspected of causing genetic defects
H350 : May cause cancer
H350i : May cause cancer by inhalation
H360D : May damage the unborn child
H360FD : May damage fertility
H361d : Suspected of damaging the unborn child
H410 : Causes damage to organs through prolonged or repeated exposure
H410 : Very toxic to aquatic life with long lasting effects
H411 : Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P201 : Obtain special instructions before use
P210 : Keep away from heat/sparks/open flames/hot surfaces. — No smoking
P220 : Keep/Store away from clothing/.../combustible materials.
P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 : Wash hands thoroughly after handling.
P273 : Avoid release to the environment.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P310 : Immediately call a POISON CENTER or doctor/physician.

(CONTINUED) - SECTION 16: Other Information

Relevant R-phrase(s), S-phrase(s), GHS Pictogram(s), Hazard statement(s), and Precautionary statement(s)

(CONTINUED) - Precautionary statement(s)

P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 : IF exposed or concerned: Get medical advice/attention.

P337 + P313 : IF eye irritation persists: Get medical advice/attention.

P342 +P311 : IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician

P501 : Dispose of contents/container to a licensed disposal company.

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• For R&D use only. Not for drug, household, or other use.

WARRANTY

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