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1. Identification

1.1. Product identifier

Product Identity Validity Control
Alternate Names Product Numbers 17010 through 17014 and CUSTOM

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

Intended use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name UTAK Laboratories, Inc.
25020 Avenue Tibbitts
Valencia, California 91355

Emergency

24 hour Emergency Telephone No. Toll free: (800) 235-3442
Direct: (661) 294-3935

Customer Service: UTAK Laboratories, Inc. Toll free: (800) 235-3442
Direct: (661) 294-3935
Fax: (661) 294-9272

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Sens. 1;H317 May cause an allergic skin reaction.
Carc. 1A;H350 May cause cancer.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

H317 May cause an allergic skin reaction.
H350 May cause cancer.

[Prevention]:

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- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves / eye protection / face protection.

[Response]:

- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P308+313 IF exposed or concerned: Get medical advice / attention.
- P321 Specific treatment (see information on this label).
- P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
- P363 Wash contaminated clothing before reuse.

[Storage]:

- P405 Store locked up.

[Disposal]:

- P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Glycine CAS Number: 0000056-40-6	1.0 - 10	Not Classified	[1]
Chloramphenicol CAS Number: 0000056-75-7	1.0 - 10	Carc. 1A;H350	[1]
Imidazol-4-One, 2-Amino-1,5-Dihydro-1-Methyl- CAS Number: 0000060-27-5	1.0 - 10	Not Classified	[1]
Trisodium citrate CAS Number: 0006132-04-3	1.0 - 10	Not Classified	[1]
Sodium phosphate, dibasic. CAS Number: 0007558-79-4	1.0 - 10	Not Classified	[1]
Sodium nitrite CAS Number: 0007632-00-0	1.0 - 10	Ox. Sol. 3;H272 Acute Tox. 3;H301 Aquatic Acute 1;H400	[1]
Sodium chloride CAS Number: 0007647-14-5	1.0 - 10	Not Classified	[1]
Sodium dichromate, dihydrate CAS Number: 0007789-12-0	1.0 - 10	Skin Sens. 1;H317 Carc. 1A;H350 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Phosphoric acid, monosodium salt, monohydrate CAS Number: 0010049-21-5	1.0 - 10	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

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[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Treat minor cuts and abrasions in the appropriate manner using a disinfectant. Get medical assistance.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
4.2. Most important symptoms and effects, both acute and delayed	
Overview	No specific symptom data available. Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure. See section 2 for further details.
Skin	May cause an allergic skin reaction.

5. Fire-fighting measures

5.1. Extinguishing media

In case of fire, use extinguishing media appropriate for surrounding material.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Assumed stable

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

As required for surrounding materials.

ERG Guide No. ----

6. Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Wash immediate and surrounding area with a disinfectant water solution.

Dispose of waste in accordance with all federal, state, and local regulations.

7. Handling and storage

7.1. Precautions for safe handling

Observe standard laboratory safety practices. Wash thoroughly after handling.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong acids and bases

Store according to directions on label and cap tightly.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

For analytical or laboratory use only

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000056-40-6	Glycine	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000056-75-7	Chloramphenicol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000060-27-5	Imidazol-4-One, 2-Amino-1,5-Dihydro-1-Methyl-	OSHA	No Established Limit
		ACGIH	No Established Limit

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		NIOSH	No Established Limit
		Supplier	No Established Limit
0006132-04-3	Trisodium citrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit



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0007558-79-4	Sodium phosphate, dibasic.	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007632-00-0	Sodium nitrite	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007647-14-5	Sodium chloride	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007789-12-0	Sodium dichromate, dihydrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0010049-21-5	Phosphoric acid, monosodium salt, monohydrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000056-40-6	Glycine	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000056-75-7	Chloramphenicol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: Yes
		IARC	Group 1: No; Group 2a: Yes; Group 2b: No; Group 3: No; Group 4: No;
0000060-27-5	Imidazol-4-One, 2-Amino-1,5-Dihydro-1-Methyl-	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0006132-04-3	Trisodium citrate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007558-79-4	Sodium phosphate, dibasic.	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007632-00-0	Sodium nitrite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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0007647-14-5	Sodium chloride	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007789-12-0	Sodium dichromate, dihydrate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0010049-21-5	Phosphoric acid, monosodium salt, monohydrate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory	Use ventilation of a standard laboratory hood system.
Eyes	Safety goggles required
Skin	Wear appropriate laboratory apparel and impervious gloves.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Clear Liquid
Odor	Slight
Odor threshold	Not determined
pH	Varies
Melting point / freezing point	Not available
Initial boiling point and boiling range	Not applicable
Flash Point	Unknown
Evaporation rate (Ether = 1)	Not applicable
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Unknown Upper Explosive Limit: Unknown
Vapor pressure (Pa)	Not applicable
Vapor Density	Not applicable
Specific Gravity	Varies
Solubility in Water	Freely Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured

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Auto-ignition temperature Unknown
Decomposition temperature Not available
Viscosity (cSt) Not available

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong acids and bases

10.6. Hazardous decomposition products

Assumed stable

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Glycine - (56-40-6)	No data available	No data available	No data available	No data available	No data available
Chloramphenicol - (56-75-7)	No data available	No data available	No data available	No data available	No data available
Imidazol-4-One, 2-Amino-1,5-Dihydro-1-Methyl- - (60-27-5)	No data available	No data available	No data available	No data available	No data available
Trisodium citrate - (6132-04-3)	No data available	No data available	No data available	No data available	No data available
Sodium phosphate, dibasic. - (7558-79-4)	No data available	No data available	No data available	No data available	No data available
Sodium nitrite - (7632-00-0)	180.00, Rat - Category: 3	No data available	No data available	5.50, Rat - Category: NA	No data available
Sodium chloride - (7647-14-5)	3,550.00, Rat - Category: 5	10,000.00, Rabbit - Category: NA	No data available	No data available	No data available

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Sodium dichromate, dihydrate - (7789-12-0)	No data available	No data available	No data available	No data available	No data available
Phosphoric acid, monosodium salt, monohydrate - (10049-21-5)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	1A	May cause cancer.
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Glycine - (56-40-6)	Not Available	Not Available	Not Available
Chloramphenicol - (56-75-7)	Not Available	Not Available	Not Available
Imidazol-4-One, 2-Amino-1,5-Dihydro-1-Methyl- - (60-27-5)	Not Available	Not Available	Not Available
Trisodium citrate - (6132-04-3)	Not Available	Not Available	Not Available
Sodium phosphate, dibasic. - (7558-79-4)	Not Available	Not Available	Not Available
Sodium nitrite - (7632-00-0)	0.11, Oncorhynchus mykiss	12.50, Daphnia magna	159.00 (72 hr), Tetraselmis chuii
Sodium chloride - (7647-14-5)	1,100.00, Freshwater Fish	3,310.00, Daphnia magna	Not Available
Sodium dichromate, dihydrate - (7789-12-0)	Not Available	Not Available	Not Available

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Phosphoric acid, monosodium salt, monohydrate - (10049-21-5)	Not Available	Not Available	Not Available
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12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

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Sodium nitrite (100.00)

Sodium phosphate, dibasic. (5,000.00)

EPCRA 313 Toxic Chemicals:

Sodium nitrite

Proposition 65 - Carcinogens (>0.0%):

Chloramphenicol

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Sodium nitrite

Sodium phosphate, dibasic.

Pennsylvania RTK Substances (>1%):

Chloramphenicol

Sodium nitrite

Sodium phosphate, dibasic.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.

H301 Toxic if swallowed.



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H317 May cause an allergic skin reaction.
H350 May cause cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

This information is intended to be applicable to TDM/Toxicology Control materials manufactured by UTAK only. It does not relate to the pure materials which are used to manufacture this product. The information presented in this data sheet has been gathered from reliable sources, but has not been verified by UTAK. Therefore, there is neither official representation nor specific guarantees for the complete accuracy of information.

End of Document

