

Safety Data Sheet

Issue Date: 19-Sep-2023

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Version 1

1. IDENTIFICATION

Product identifier

Product Name

Negative Control, Negative Control A, Positive Control, Positive Control A, Positive Control B1, Positive Control BL1, Positive Control G, Positive Control K, Positive Control PV, Pre-VIT, Pre-VIT 2, Pre-VIT 3, Pre-VIT 5, Solution C1, Solution C2, Solution C3, Solution C4, Solution C5, Solution C6, Solution C7, VIT 2, VIT 3, VIT 4, VIT 5, VIT 6, VIT 7, VIT (021N), VIT (1851), VIT (Ali), VIT (Amx), VIT (Aqua) EZ, VIT (BaH), VIT (B-Lbr), VIT (BwE), VIT (BwV), VIT (Cam), VIT (Cam) EZ, VIT (CFX), VIT (Cint), VIT (Clo), VIT (Cper), VIT (Cron), VIT (Eco), VIT (Eco) EZ, VIT (Eco) M, VIT (Efs), VIT (Ent), VIT (Esak), VIT (GAO), VIT (GFH), VIT (Hhy), VIT (LAB), VIT (Lala), VIT (LeuLa), VIT (LisP), VIT (Lmo), VIT (Lpn), VIT (Lpn) M, VIT (MB), VIT (Meg/Pec), VIT (MiBR1), VIT (Mono), VIT (Mpa), VIT (M/P) SE2, VIT (Nit), VIT (Nit) SE3, VIT (Noc), VIT (Noli), VIT (Oxa), VIT (Pae), VIT (Pae) M, VIT (Pae) M2, VIT (Pae) SE2, VIT (PAO), VIT (OY), VIT (Rhiz), VIT (Sal), VIT (Sal) OD, VIT (Sta), VIT (STTNP3), VIT (Tep), VIT (Wci), VIT (Yer)

Other means of identification

SDS

SYS-085

Recommended use of the chemical and restrictions on use

Recommended Use

Laboratory chemicals.

Details of the supplier of the safety data sheet

Supplier Address

Sysmex America, Inc.
577 Aptakistic Road
Lincolnshire, IL 60069
USA

Company Phone Number

224-543-9500

Emergency telephone number

Emergency Telephone

ChemTel Inc. 800-255-3924 (North America)
1-813-248-0585 (International)

2. HAZARDS IDENTIFICATION

Appearance Colorless liquid

Physical state Liquid

Odor Characteristic

Classification

Reproductive toxicity

Category 1B

Signal Word

Danger

Hazard statements

May damage fertility or the unborn child

**Precautionary Statements - Prevention**

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Formamide	75-12-7	20-60

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General Advice	Take affected persons out into the fresh air. Do not leave affected persons unattended.
Eye Contact	Rinse opened eye for several minutes under running water. Call a doctor immediately.
Skin Contact	Immediately wash with water and soap and rinse thoroughly.
Inhalation	Supply fresh air; consult doctor in case of complaints.
Ingestion	Call a doctor immediately.

Most important symptoms and effects, both acute and delayed

Symptoms	May be harmful if inhaled. May damage fertility or the unborn child.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Media Water with full jet.

Specific Hazards Arising from the Chemical

During heating or in case of fire, poisonous gases are produced.

Hazardous combustion products Carbon monoxide. Nitrogen oxides (NOx). Hydrogen cyanide.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Wear protective clothing. Use respiratory protective device against the effects of fumes/dust/aerosol.

Environmental precautions

Environmental precautions Do not allow product to reach sewage system or any water course. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Keep receptacles tightly sealed. Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store only in the original receptacle. Store in a cool location. Store away from foodstuffs. Keep container tightly closed.

Incompatible Materials Acids. Alkalis. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Formamide 75-12-7	TWA: 1 ppm S*	(vacated) TWA: 20 ppm (vacated) TWA: 30 mg/m ³ (vacated) STEL: 30 ppm (vacated) STEL: 45 mg/m ³	TWA: 10 ppm TWA: 15 mg/m ³

Appropriate engineering controls

Engineering Controls Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly sealed goggles. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Protective gloves. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Do not inhale gases/fumes/aerosols. Avoid contact with the eyes and skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Characteristic
Appearance	Colorless liquid	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	Not determined	
Vapor Density	No data available	
Relative Density	Not determined	
Water Solubility	Fully miscible	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Product is not self igniting	
Hyphen	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Product does not present an explosion hazard	
Oxidizing Properties	Not determined	

Other information

Liquid Density	1-1.2 g/cm3
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10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Reacts with acids, alkalis and oxidizing agents.

Conditions to Avoid

Incompatible Materials.

Incompatible materials

Acids. Alkalis. Strong oxidizing agents.

Hazardous decomposition products

Poisonous gases/vapors. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	May be harmful if inhaled.
Ingestion	Do not ingest.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Formamide 75-12-7	= 5577 mg/kg (Rat)	= 6 g/kg (Rabbit)	> 21 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.
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Chemical name	ACGIH	IARC	NTP	OSHA
Formamide 75-12-7	A3			

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen

Reproductive toxicity	May damage fertility or the unborn child.
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Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	9,295.00 mg/kg
Dermal LD50	10,000.00 mg/kg
ATEmix (inhalation-dust/mist)	35.00 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

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.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Formamide 75-12-7	EC50: >500mg/L (72h, Desmodosmus subspicatus) EC50: >500mg/L (96h, Desmodosmus subspicatus)	LC50: =9135mg/L (96h, Brachydanio rerio)	EC50: >500mg/L (48h, Daphnia magna)

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
Formamide 75-12-7	-0.82

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<u>DOT</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Formamide	X	ACTIVE	X	X	X	X	X	X	X

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AIIC - Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Formamide 75-12-7	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards	Flammability	Instability	Special hazards
	-	-	-	-
<u>HMIS</u>	Health hazards	Flammability	Physical hazards	Personal Protection
	-	-	-	Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet