

A Sysmex Group Company

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US - OSHA Hazard Communication Standard (29 CFR 1910.1200)

Issuing Date	28-Feb-2022	Revision Date	28-Feb-2022	Revision Number 1
1. Identific	cation			
Product ident	<u>tifier</u>			
Product Nam	e	Universal H&W Kit - For	rmamide	
Other means	of identification			
Product Code	e(s)	770400-24,770500-24,7	770400-96,770500-96	
Synonyms		None		
<u>Recommende</u>	ed use of the chemica	al and restrictions on use	<u>)</u>	
Recommende	ed use	Additive For research use only		
Restrictions of	on use	None known		
Details of the	supplier of the safet	<u>y data sheet</u>		
(North Am 520 White	<u>Address</u> ine Technology Inc. erica office) Plains Road, Suite 50 , NY 10591	0		
<u>E-mail</u>		support@ogt.com		
Emergency te	elephone number			
Emergency te	elephone	914 467 5285		
2. Hazard((s) identification			
Classification	<u>1</u>			
This chemical Reproductive		us by the 2012 OSHA Haz	ard Communication Standard (29 CFR 1910 Category 1B	0.1200).
Hazards not o	otherwise classified (HNOC)		

Hazards not otherwise classified (HNOC)

Not applicable.

Label elements

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. Wear protective gloves/protective clothing/eye protection/face protection.

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.

Other information

May be harmful if inhaled.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Trade secret
Formamide	75-12-7	>99	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Skin contact	Wash skin with soap and water.
Ingestion	Rinse mouth.
Most important symptoms and effects, both acute and delayed	
Symptoms	No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

5. Fire-fighting measures					
Suitable Extinguishing Media	Dry chemical, CO2, alcohol-resistant foam or water spray.				
Unsuitable extinguishing media	None known.				
Specific hazards arising from the chemical	No information available.				
Hazardous combustion products	Toxic gases or vapors: Ammonia. Hydrogen cyanide. Carbon monoxide. Nitrogen oxides (NOx).				
Explosion data Sensitivity to mechanical impac Sensitivity to static discharge	t None. None.				
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.				
6. Accidental release meas	ures				
Personal precautions, protective eq	rsonal precautions, protective equipment and emergency procedures				
Personal precautions	Ensure adequate ventilation. Use personal protective equipment as required.				
Methods and material for containme	ent and cleaning up				
Methods for containment	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so.				
Methods for cleaning up	Pick up and transfer to properly labeled containers.				
7. Handling and storage					
Precautions for safe handling					
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.				
Conditions for safe storage, includi	ng any incompatibilities				
Storage Conditions	Store locked up. Store at ambient conditions.				
8. Exposure controls/perso	onal protection				
Control parameters					
Exposure Limits					

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Formamide	TWA: 1 ppm	(vacated) TWA: 20 ppm	TWA: 10 ppm

75-12-7	S*	(vacated) TWA: 30 mg/m ³ (vacated) STEL: 30 ppm (vacated) STEL: 45 mg/m ³	TWA: 15 mg/m ³
---------	----	---	---------------------------

Appropriate engineering controls

Engineering controls	Showers Eyewash stations Ventilation systems.
Individual protection measures, suc	ch as personal protective equipment
Eye/face protection	No special protective equipment required.
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and cl	hemical properties	
Appearance	Colorless liquid	
Physical state	Liquid	
Color	Colorless	
Odor	Odorless	
Odor threshold	No data available	
Property	Values	Remarks • Method
рН		No data available
Melting point / freezing point	26 °C / 78.8 °F	
Initial boiling point and boiling range		
Flash point	152 °C / 305.6 °F	
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive li	mits	No data available
Lower flammability or explosive li	mits	No data available
Vapor pressure	0.06 hPa	@ 20 °C
Vapor density		No data available
Relative density		No data available
Water solubility	Miscible in water	
Solubility(ies)		No data available
Partition coefficient	Log Kow: -0.82	@ 25 °C
Autoignition temperature	> 500 °C / > 932 °F	
Decomposition temperature	> 140 °C / > 284 °F	
Kinematic viscosity		No data available
Dynamic viscosity	3.764 mPa s	@ 20 °C
Other information		

Explosive properties	Not an explosive
Oxidizing properties	Not an oxidizer
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	1.13 g/cm³ @ 20°C
Bulk density	No information available

10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Excessive heat. Extremes of temperature and direct sunlight.
Incompatible materials	Oxidizing agent. Acids. Aluminum. Iron. Copper. Alkali. Iodine. Pyridine. Sulfur trioxide. Natural rubber.

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information	
Inhalation	May be harmful if inhaled.
Eye contact	Not expected to cause eye irritation.
Skin contact	Non-irritating during normal use.
Ingestion	Specific test data for the substance or mixture is not available.
Symptoms related to the physical, o	chemical and toxicological characteristics
Symptoms	No information available.
Acute toxicity	
Numerical measures of toxicity	
The following values are calculated ATEmix (oral) ATEmix (dermal) ATEmix (inhalation-dust/mist)	based on chapter 3.1 of the GHS document: 5,605.00 mg/kg 6,030.20 mg/kg 21.10 mg/l

Component Information

Inhalation LC50
21 mg/L (Rat)4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.	
Serious eye damage/eye irritation	No information available.	
Respiratory or skin sensitization	No information available.	
Germ cell mutagenicity	No information available.	
Carcinogenicity	No information available.	

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Formamide	A3	-	-	-
75-12-7				

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target organ effects	Respiratory system. Reproductive system.
Aspiration hazard	No information available.
Other adverse effects	No information available.
Interactive effects	No information available.

12. Ecological information

Ecotoxicity

Low toxicity to aquatic organisms.

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

Persistence and degradability

Readily biodegradable.

Bioaccumulation

Component Information

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

Other adverse effects

No information available.

13. Disposal considerations			
Waste treatment methods			
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.		
Contaminated packaging	Do not reuse empty containers.		
14. Transport information			
DOT	Not regulated		
IATA	Not regulated		
IMDG_	Not regulated		

15. Regulatory information

International Inventories

Contact supplier for inventory compliance status

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

US Federal Regulations

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.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

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).

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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	Х	Х	Х
75-12-7			

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information NFPA Instability 0 Special hazards -Health hazards 1 Flammability 1 Health hazards * 2 Physical hazards 0 HMIS Flammability 1 Personal protection X Chronic Hazard Star Legend * = Chronic Health Hazard Key or legend to abbreviations and acronyms used in the safety data sheet Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit) Maximum limit value Ceiling Skin designation Key literature references and sources for data used to compile the SDS Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set World Health Organization **Issuing Date** 28-Feb-2022 **Revision Date** 28-Feb-2022 **Revision Note** Initial Release. 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