

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	ation			
Product ident	<u>ifier</u>			
Product Name	9	Universal H&W Kit - Hyl	pridisation Buffer	
Other means	of identification			
Product Code	e(s)	770400-24,770500-24,7	70400-96,770500-96	
UN/ID no		UN2810		
Synonyms		None		
Recommende	ed use of the chemica	and restrictions on use	_	
Recommended use		Analytical reagent For research use only		
Restrictions of	on use	None known		
Details of the	supplier of the safety	data sheet		
(North Am	ne Technology Inc. erica office) Plains Road, Suite 500			
<u>E-mail</u>		support@ogt.com		
Emergency te	elephone number			
Emergency te	elephone	914 467 5285		
2. Hazard(s) identification			
Classification	<u>L</u>			
This chemical	is considered hazardou	is by the 2012 OSHA Haz	ard Communication Standar	d (29 CFR 1910.1200)
Acute toxicity -				Category 3
Acute toxicity -				Category 4
Skin corrosion				Category 2
Specific target organ toxicity (single exposure)				Category 1

Hazards not otherwise classified (HNOC)

Not applicable.

Label elements

Danger

Hazard statements

Toxic if swallowed. Harmful in contact with skin. Causes skin irritation. Causes damage to organs.



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing. Do not breathe dust/fume/gas/mist/vapors/spray.

Precautionary Statements - Response

IF exposed: Call a POISON CENTER or doctor. IF ON SKIN: Wash with plenty of water and soap. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other information

Toxic to aquatic life with long lasting effects.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Trade secret
Tetramethylammonium chloride	75-57-0	<30	*
Sodium Chloride	7647-14-5	<6	*

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. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.	
Skin contact	If symptoms persist, call a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.	
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.	
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.	
Most important symptoms and effe	cts, both acute and delayed	
Symptoms	No information available.	
Indication of any immediate medica	al attention and special treatment needed	
Note to physicians	Treat symptomatically.	
5. Fire-fighting measures		
	Alcohol resistant foam. Carbon dioxide (CO2). Dry powder.	
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 5. Fire-fighting measures Suitable Extinguishing Media Unsuitable extinguishing media Specific hazards arising from the chemical Hazardous combustion products Explosion data Sensitivity to mechanical impact 	Alcohol resistant foam. Carbon dioxide (CO2). Dry powder. None known. No information available. Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride gas.	
 5. Fire-fighting measures Suitable Extinguishing Media Unsuitable extinguishing media Specific hazards arising from the chemical Hazardous combustion products Explosion data Sensitivity to mechanical impact Sensitivity to static discharge Special protective equipment and 	Alcohol resistant foam. Carbon dioxide (CO2). Dry powder. None known. No information available. Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride gas. tt None. None. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.	
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Methods and material for containment 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	Wear personal protective equipment. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.		
Conditions for safe storage, includi	ng any incompatibilities		
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up. Keep from freezing. Protect from moisture.		
8. Exposure controls/perso	onal protection		
Control parameters			
Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.		
Appropriate engineering controls			
Engineering controls	Showers Eyewash stations Ventilation systems.		
Individual protection measures, suc	ch as personal protective equipment		
Eye/face protection	Handling of larger amounts: Wear protective eye glasses for protection against liquid splashes. Wear safety glasses with side shields (or goggles).		
Hand protection	To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Wear suitable gloves. Impervious gloves.		
Skin and body protection	Wear suitable protective clothing. Long sleeved 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	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.		

9. Physical and chemical properties

Information on basic physical and chemical properties Appearance

Physical state	Liquid	
Color	Colorless	
Odor	No data available	
Odor threshold	No data available	
Property	Values	Remarks • Method
рН		No data available
Melting point / freezing poin		No data available
Initial boiling point and boili	ng range	No data available
Flash point		No data available
Evaporation rate		No data available
Flammability		Not applicable
Flammability Limit in Air		
Upper flammability or exp	Not applicable	
Lower flammability or exp	Not applicable	
Vapor pressure		No data available
Vapor density		No data available
Relative density		No data available
Water solubility		
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Other information		
Explosive properties	Not an explosive	
Oxidizing properties	Not an oxidizer	
Softening point	No information available	

VOC Content (%) Liquid Density Bulk density

Molecular weight

No information available No information available No information available 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	None known based on information supplied.
Incompatible materials	Strong bases. Strong oxidizing agents.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation

May cause irritation of respiratory tract.

Eye contact	Specific test data for the substance or mixture is not available.	
Skin contact	Causes skin irritation. (based on components).	
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Toxic if swallowed. (based on components).	
Symptoms related to the physical, chemical and toxicological characteristics		
Symptoms	Redness. May cause redness and tearing of the eyes.	
Acute toxicity		
Numerical measures of toxicity		

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

ATEmix (oral)	171.8311 mg/kg
ATEmix (dermal)	1,724.10 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Tetramethylammonium chloride 75-57-0	= 50 mg/kg (Rat)	200 - 500 mg/kg (Rabbit)	-
Sodium Chloride 7647-14-5	= 3 g/kg (Rat)	> 10000 mg/kg (Rabbit)	>42 mg/L (Rat)1 h

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

Skin corrosion/irritation	Classification based on data available for ingredients. Causes skin irritation.	
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.	
Reproductive toxicity	No information available.	
STOT - single exposure	Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). Causes damage to organs if swallowed. Causes damage to organs in contact with skin.	
STOT - repeated exposure	No information available.	
Aspiration hazard	No information available.	
Other adverse effects	No information available.	
Interactive effects	No information available.	

12. Ecological information

Ecotoxicity

Toxic to aquatic life with long lasting effects.

-		0 0		
Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetramethylammonium chloride 75-57-0	-	LC50: 431 - 495mg/L (96h, Pimephales promelas)	-	-
Sodium Chloride 7647-14-5	-	LC50: 4747 - 7824mg/L (96h, Oncorhynchus mykiss)	-	EC50: 340.7 - 469.2mg/L (48h, Daphnia magna)
Persistence and degradability	No information a	vailable.		
Bioaccumulation	No information a	vailable.		
Other adverse effects	No information a	vailable.		
13. Disposal considera	tions			
Waste treatment methods				
Waste from residues/unused products	Dispose of in acc environmental le	cordance with local regulat gislation.	ions. Dispose of waste i	n accordance with
Contaminated packaging	Dispose of waste	Dispose of waste product or used containers according to local regulations.		
14. Transport informat	ion			
DOT UN/ID no Proper shipping name Transport hazard class(es) Packing group Special Provisions DOT Marine Pollutant Marine pollutant Description Emergency Response Guid Number) 6.1 III IB3, T7, TP1, TP I Tetramethylamm UN2810, TOXI0 (Tetramethylamr		O.S., 6.1, III, Marine pol	lutant
IATA UN number or ID number UN proper shipping name Transport hazard class(es) Packing group Special Provisions Description ERG Code	III A3, A4, A137	anic, n.o.s. quid, organic, n.o.s.(Tetrar	methylammonium chloric	de), 6.1, III
IMDG UN number or ID number UN proper shipping name	UN2810 TOXIC LIQUID,	ORGANIC, N.O.S.		

Transport hazard class(es)	6.1		
Packing group	III		
EmS-No	F-A, S-A		
Marine pollutant	Р		
Marine pollutant	Tetramethylammonium chloride		
Special Provisions	223, 274		
Description	UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (Tetramethylammonium chloride), 6.1, III,		
-	Marine pollutant		

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

This product does not contain any substances regulated under applicable state right-to-know regulations.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information				
NFPAHealth hazHMISHealth hazChronic Hazard Star Legend			Instability 0 Physical hazards 0	Special hazards - Personal protection X
Key or legend to abbreviations and acronyms used in the safety data sheet				
LegendSection 8: EXPOSURE CTWATWA (time-weighCeilingMaximum limit va	nted average) alue	STEL *	STEL (Short Tern Skin designation	n Exposure Limit)
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 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 PubMed database (NLM PUBMED) National Library of Medicine's PubMed database (NLM PUBMED) National Library of Medicine's Chemical 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