

Safety Data Sheet

Issue Date: 01-Apr-2021

Revision Date: 20-Apr-2021

Ve	rsion	1

1. IDENTIFICATION			
Product identifier			
Product Name	DNA Control PI		
Product Code	05-7303		
Recommended use of the chemical	and restrictions on use		
Recommended Use	Laboratory chemicals		
Details of the supplier of the safety	data sheet		
<u>Manufacturer Address</u> Sysmex Americas 577 Aptakisic RD Lincolnshire, IL 60069 USA			
Emergency telephone number			
Initial supplier phone number Emergency Telephone	(224) 543-9500 Chemtel 800-255-3924		
	2. HAZARDS IDENTIFICATION		
Appearance Light red liquid	Physical state Liquid C	Dour Slightly pungent	
Classification_			
Skin sensitisation		Category 1	
Carcinogenicity		Category 1A	
Label elements			
<u>Signal word</u> Danger			
Hazard statements May cause an allergic skin reaction May cause cancer			
(!)			

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 Avoid breathing dust/fume/gas/mist/vapours/spray Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention IF ON SKIN: Wash with plenty of water and soap Take off all contaminated clothing and wash it before reuse If skin irritation or rash occurs: 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

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Methanol	67-56-1	0.1-1	-	-
Formaldehyde	50-00-0	0.1-1	-	-

4. FIRST AID MEASURES

Description of first aid measures

General advice	Provide this SDS to medical personnel for treatment.	
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.	
Skin contact	Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.	
Inhalation	Remove to fresh air.	
Ingestion	Clean mouth with water and drink afterwards plenty of water.	
Most important symptoms and effe	cts, both acute and delayed	
Symptoms	May cause an allergic skin reaction. May cause cancer.	
Indication of any immediate medical attention and special treatment needed		
Note to doctors	Treat symptomatically.	

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Unsuitable extinguishing media	Not determined.	
Specific hazards arising from the chemical	Not determined.	
Explosion Data Sensitivity to Mechanical Impac Sensitivity to Static Discharge	t None. None.	
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.	
	6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective eq	uipment and emergency procedures	
Personal precautions	Use personal protective equipment as required.	
Environmental precautions		
Environmental precautions	See Section 12 for additional Ecological Information.	
Methods and material for containme	ent and cleaning up	
Methods for containment	Prevent further leakage or spillage if safe to do so.	
Methods for cleaning up	Keep in suitable, closed containers for disposal.	
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.	
	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. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.	
Conditions for safe storage, includi	ng any incompatibilities	
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	Canada - Alberta - Occupational Exposure Limits - Ceilings	Canada - British Columbia - Occupational Exposure Limits - Ceilings	Canada - Ontario - Occupational Exposure Limits - Ceilings	Quebec
Formaldehyde 50-00-0	Ceiling: 1 ppm Ceiling: 1.3 mg/m ³ TWA: 0.75 ppm TWA: 0.9 mg/m ³	TWA: 0.1 ppm STEL: 0.3 ppm Dermal Sensitizer, Respiratory Sensitizer	TWA: 0.1 ppm STEL: 1 ppm	Ceiling: 2 ppm Ceiling: 3 mg/m ³
Methanol 67-56-1	TWA: 200 ppm TWA: 262 mg/m ³ STEL: 250 ppm STEL: 328 mg/m ³ Skin	TWA: 200 ppm STEL: 250 ppm Skin	TWA: 200 ppm STEL: 250 ppm Skin	TWA: 200 ppm TWA: 262 mg/m ³ STEL: 250 ppm STEL: 328 mg/m ³ Skin

Appropriate engineering controls

Engineering controls	Apply technical measures to comply with the occupational exposure limits.	
Individual protection measures, su	ch as personal protective equipment	
Eye/face protection	If necessary, refer to appropriate regulations and standards.	
Skin and body protection	Wear protective gloves and protective clothing. If necessary, refer to appropriate regulations and standards.	
Respiratory protection	If necessary, refer to appropriate regulations and standards.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.	

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and o	chemical properties	
Physical state	Liquid	
Appearance	Light red liquid	
Colour	light red	
Odour	Slightly pungent	
Odour Threshold	Not determined	
Description	Malara	Demonster Mathead
Property	<u>Values</u>	Remarks • Method
pH	Not determined	
Melting point / freezing point	Not determined	
Boiling point / boiling range	Not determined	
Flash point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive	Not determined	
limits		
Lower flammability or explosive	Not determined	
limits		
Vapour Pressure	Not determined	
Vapour Density	Not determined	
Relative Density	Not determined	
Water Solubility	Not determined	
Property_	<u>Values</u>	Remarks • Method
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	

Decomposition temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive properties	Not determined.
Oxidising properties	Not determined.
Other information Softening Point Molecular weight VOC Content (%) Liquid Density Bulk density	Not determined Not determined Not determined Not determined Not determined

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to Avoid	Keep out of reach of children.
Incompatible materials	None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	
Eye contact	Avoid contact with eyes.
Skin contact	Avoid contact with skin.
Inhalation	Do not inhale.
Ingestion	Do not ingest.
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	Please see section 4 of this SDS for symptoms.
Acute toxicity	
The following values are calculated	I based on chapter 3.1 of the GHS document
ATEmix (oral)	25,000.0000 mg/kg
ATEmix (dermal)	75,000.00 mg/kg
ATEmix (inhalation-dust/mist)	125.20 mg/L
ATEmix (inhalation-vapour)	1,500.00 mg/L
Unknown acute toxicity	No information available
Component Information	

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Chloride	= 3 g/kg (Rat)	> 10000 mg/kg (Rabbit)	> 42 g/m³ (Rat)1 h

7647-14-5			
Formaldehyde 50-00-0	= 100 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 0.578 mg/L (Rat)4 h
Methanol 67-56-1	= 6200 mg/kg (Rat)	= 15840 mg/kg (Rabbit)	= 22500 ppm (Rat)8 h
Alcohols, C11-15, secondary 68131-40-8	= 2100 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Potassium Chloride 7447-40-7	= 2600 mg/kg (Rat)	-	-
Glucose 50-99-7	= 25800 mg/kg (Rat)	-	-
EDTA 60-00-4	> 2000 mg/kg (Rat)	-	-
Potassium Phosphate 7778-77-0	= 3200 mg/kg (Rat)	-	-

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

Respiratory or skin sensitisation May cause an allergic skin reaction.

Carcinogenicity

May cause cancer.

Chemical name	ACGIH	IARC	NTP	OSHA
Formaldehyde	A1	Group 1	Known	Х
50-00-0				

Legend

ACGIH (American Conference of Governmental Industrial Hygienists) A1 - Known Human Carcinogen IARC (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans NTP (National Toxicology Program) Known - Known Carcinogen OSHA (Occupational Safety and Health Administration of the US Department of Labour) X - Present

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.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Sodium Chloride	-	4747 - 7824: 96 h	-	340.7 - 469.2: 48 h
7647-14-5		Oncorhynchus mykiss		Daphnia magna mg/L

mgl, LCS0 low-through 5500 - 0809: 95 h Leponis macrochius mgl, LCS0 low-through 6020 - 7070: 96 h Pimephales promelas mgl, LCS0 bitsitic 620 - 1070: 96 h Pimephales promelas mgl, LCS0 bitsitic 620 - 1070: 96 h Pimephales promelas mgl, LCS0 semi-static 7050: 96 h Pimephales promelas mgl, LCS0 semi-static 6900 - 2070: 96 h Pimephales promelas mgl, LCS0 static 7050: 96 h Pimephales promelas mgl, LCS0 static 700: 96 h Pimephales promelas mgl, LCS0 static 7150: 96 h Pimephales promelas mgl, LCS0 static 700: 96 h Pimephales promelas mgl, LCS0 static 7447-40-7 11.3 - 18: 48 h Daphnia mgl, LCS0 tota- fictor promelas mgl, LCS0 static 7250: 97.8 cmgl, 15 mm Pimephales promelas mgl, LCS0 tota- fictor 9.8 mgl, LCS0 static 7447-40-7 11.3 - 18: 48 h Daphnia promelas mgl, LCS0 static 747.9 cmgl, 22.2 cmgl, 15 mm Pimephales promelas mgl, LCS0 static 7447-40-7 11.3 - 18: 48 h Daphnia mgl, LCS0 static 747.9 cmgl, 22.2 cmgl, 15 mm Pimephales promelas mgl, LCS0 static 747.47-40-7 2500: 7.2 h Pimephales promelas mgl,					
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Methanol nigl_LCS0 low-through 6020 - 700: 96 h Pimephales promelas mg/LLC50 static 6420 - 6700: 96 h Pimephales promelas mg/LLC50 static 12946: 69 h Leponis macrochirus mg/LLC50 semi-static nigl_LCS0 Methanol - 13500 - 1760: 96 h promelas mg/LLC50 semi-static - Methanol - 13500 - 1760: 96 h promelas mg/LLC50 static - Methanol - - - 67-56-1 - 13500 - 1760: 96 h Leponis macrochirus mg/LLC50 low-through 00 through 100: 96 h Pimephales promelas mg/LLC50 static - Formaldehyde - - - 50-00-0 - - - Formaldehyde - - - 50-00-0 - - - - Formaldehyde - - - - 50-00-0 - - - - Formaldehyde - - - - 50-00-0 - - - - Formaldehyde - - - - 50-00-0 - - - - - Promphales promelas mg/LLC50 static - - - - 100 - 136: 96 h Promephales promelas mg/LLC50 static - - - - 700-1020 -			5560 - 6080: 96 h		1000: 48 h Daphnia
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static		T
44.2 - 76.5: 96 h		
Pimephales promela	s	
mg/L LC50 static		

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Mobility

Chemical name	Partition coefficient
Methanol 67-56-1	-0.77
Formaldehyde 50-00-0	0.35

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
Note	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances
DOT	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
IATA	Not regulated
IMDG_	Not regulated
REGULATORY INFORMATION	15. REGULATORY INFORMATION

International	Regulations	
	_	

Ozone-depleting substances (ODS) Not applicable

The Stockholm Convention onNot applicablePersistent Organic Pollutants

The Rotterdam Convention Not applicable

International Inventories

Chemical name TSC	DSL/NDSL E	EINECS/ELI ENCS	IECSC	KECL	PICCS	AICS
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			NCS					
Sodium Chloride	Х	Х	Х	Х	X	X	X	X
Methanol	Х	Х	Х	Х	X	X	X	X
Formaldehyde	Х	X	X	X	X	X	X	X
Disodium hydrogenphosphate dihydrate		X		X	X		X	X
Alcohols, C11-15, secondary	Х	X		Х	X	X	Х	X
Potassium Phosphate	Х	X	Х	Х	X	X	X	X
Potassium Chloride	Х	Х	Х	Х	X	X	X	X
EDTA	Х	Х	Х	Х	X	X	X	X
Glucose	Х	Х	Х	Х	Х	X	X	Х
Propidium lodide			Х		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

AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA HMIS	Health Hazards M determined Health Hazards M determined	Flammability Not determined Flammability Not determined	determined	Special Hazards Not determined Personal Protection Not determined
	determined	determined	aeterminea	determined

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA STEL Ceiling	TWA (time-weighted average) STEL (Short Term Exposure Limit) Maximum limit value Skin designation
Revision Date:	20-Apr-2021

Revision Note: New format.

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