

Safety Data Sheet

Issue Date: 30-Mar-2021

Revision Date: 19-Apr-2021

Version 1

1. IDENTIFICATION

Product identifier

Product Name Yeast Control - Neutral Lipids - Staining Solution

Product Code 05-6000-05-P01

Recommended use of the chemical and restrictions on use

Recommended Use Laboratory chemicals

Details of the supplier of the safety data sheet

Manufacturer Address

Sysmex Americas
577 Aptakistic RD
Lincolnshire, IL 60069
USA

Emergency telephone number

Initial supplier phone number (224) 543-9500
Emergency Telephone Chemtel 800-255-3924

2. HAZARDS IDENTIFICATION

Appearance Red liquid

Physical state Liquid

Classification

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapours)	Category 3
Specific target organ toxicity (STOT) — single exposure	Category 1
Flammable Liquids	Category 2

Label elements

Signal word

Danger

Hazard statements

Toxic if swallowed
Toxic in contact with skin
Toxic if inhaled
Causes damage to organs
Highly flammable liquid and vapour

**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/eye protection/face protection
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapours/spray
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 Keep container tightly closed
 Ground and bond container and receiving equipment
 Use non-sparking tools
 Take action to prevent static discharges
 Use explosion-proof electrical/ ventilating / lighting / equipment
 Keep cool

Precautionary Statements - Response

IF exposed or concerned: Call a POISON CENTER or doctor
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]
 Call a POISON CENTRE or doctor if you feel unwell
 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Call a POISON CENTER or doctor
 IF SWALLOWED: Immediately call a POISON CENTER or doctor
 Rinse mouth
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information

Harmful to aquatic life

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	80-100	-	-

4. FIRST AID MEASURES

Description of first aid measures

General advice	IF exposed: Call a POISON CENTER or doctor.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Remove/take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. Call a POISON CENTRE/doctor/physician if you feel unwell.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
Ingestion	Immediately call a poison centre or doctor/physician. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms	Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to organs.
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Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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5. FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam. Extinguishing powder. Carbon dioxide (CO ₂). Water spray or fog.
Unsuitable extinguishing media	High power water jet.
Specific hazards arising from the chemical	Highly flammable liquid and vapour. In the event of fire, the following can be released: Carbon dioxide (CO ₂); Carbon monoxide (CO).
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.
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 equipment and emergency procedures**

Personal precautions	Use personal protective equipment as required.
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Environmental precautions

Environmental precautions	Do not discharge into the drains/surface waters/groundwater. See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up with absorbent material (eg sand, kieselguhr, universal binder).
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

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 and eye/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use only non-sparking tools. Take action to prevent static discharges. Use explosion-proof electrical/ ventilating / lighting / equipment. Keep cool.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Incompatible materials

Oxidizing agents Strong acids Strong bases

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
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

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses.

Skin and body protection

Wear protective gloves and protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state

Liquid

Appearance

Red liquid

Colour	Red
Odour	Not determined
Odour Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting point / freezing point	Not determined	
Boiling point / boiling range	65 °C / 149 °F	
Flash point	10 °C / 50 °F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapour Pressure	Not determined	
Vapour Density	Not determined	
Relative Density	Not determined	
Water Solubility	Not determined	
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.	
<u>Other information</u>		
Softening Point	Not determined	
Molecular weight	Not determined	
VOC Content (%)	Not determined	
Liquid Density	Not determined	
Bulk density	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	Oxidizing agents. Strong acids. Strong bases.
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	Toxic in contact with skin.
Inhalation	Toxic if inhaled.
Ingestion	Toxic if swallowed.

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 based on chapter 3.1 of the GHS document

ATEmix (oral)	100.50 mg/kg
ATEmix (dermal)	301.50 mg/kg
ATEmix (inhalation-dust/mist)	0.504 mg/L
ATEmix (inhalation-vapour)	3.02 mg/L

Unknown acute toxicity No information available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methanol 67-56-1	= 6200 mg/kg (Rat)	= 15840 mg/kg (Rabbit)	= 22500 ppm (Rat) 8 h

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

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

STOT - single exposure Causes damage to organs.

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Methanol 67-56-1	-	13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss	-	-

		mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static		
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Persistence/Degradability No information available.

Bioaccumulation No information available.

Mobility

Chemical name	Partition coefficient
Methanol 67-56-1	-0.77

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

DOT

UN/ID No UN1230
Proper Shipping Name Methanol solution
Hazard class 3
Subsidiary Hazard Class 6.1
Packing Group II

TDG

Not regulated
UN/ID No UN1230
Proper Shipping Name Methanol solution
Hazard class 3
Subsidiary Hazard Class 6.1
Packing Group II

MEX

UN/ID No UN1230
Proper Shipping Name Methanol solution
Hazard class 3
Subsidiary Hazard Class 6.1
Packing Group II

IATA

UN number UN1230
 Proper Shipping Name Methanol solution
 Transport hazard class(es) 3
 Subsidiary hazard class 6.1
 Packing Group II

IMDG

UN number UN1230
 Proper Shipping Name Methanol solution
 Transport hazard class(es) 3
 Subsidiary Hazard Class 6.1
 Packing Group II

15. REGULATORY INFORMATION

REGULATORY INFORMATION**International Regulations**

Ozone-depleting substances (ODS) Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Methanol	X	X	X	X	X	X	X	X
Nile red	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

AICS - Australian Inventory of Chemical Substances

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

NFPA	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
HMIS	Health Hazards Not determined	Flammability Not determined	Physical hazards Not determined	Personal Protection Not determined

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation

Revision Date: 19-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