

Page: 1/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

1 Identification

Revision: March 14, 2019

[•] Product identifier

Trade name: <u>CyLyse FX</u>

· Other means of identification: No other identifiers

- · Recommended use and restriction on use
- · Recommended use: Diagnostic testing
- · Restrictions on use: No relevant information available.

Details of the supplier of the Safety Data Sheet Manufacturer/Supplier: SYSMEX AMERICA, Inc 577 Aptakisic Road Lincolnshire, IL 60069 USA Phone: 847-996-4500 1-800-3SYSMEX (1-800-379-7639)

Emergency telephone number:

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

2 Hazard(s) identification

[•] Classification of the substance or mixture

- accine at	••.	
Acute Tox. 4	H302	Harmful if swallowed.
Acute Tox. 4	H312	Harmful in contact with skin.
Acute Tox. 4	H332	Harmful if inhaled.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Muta. 2	H341	Suspected of causing genetic defects.
Carc. 1B	H350	May cause cancer. Route of exposure: Inhalation.
STOT SE 2	H371	May cause damage to the central nervous system and optic nerve.
STOT SE 3	H335	May cause respiratory irritation.
STOT RE 2	H373	May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms:

(Cont'd. on page 2)

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Page: 2/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

nting date: March	n 14, 2019 Revision: March 14, 20
ade name: CyL	
	(Cont'd. of page
$\wedge \wedge$	
GHS07 GHS08	
GH307 GH300	
· Signal word: D	Danger
· Hazard statem	
	332 Harmful if swallowed, in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H341	Suspected of causing genetic defects.
H350	May cause cancer. Route of exposure: Inhalation.
H371	May cause damage to the central nervous system and optic nerve.
H335	May cause respiratory irritation.
H373	May cause damage to the kidneys through prolonged or repeated exposure. Route
	exposure: Oral.
 Precautionary 	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280 P301+P312	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 P302+P352	If swallowed: Call a poison center/doctor if you feel unwell.
P302+P352 P321	If on skin: Wash with plenty of water. Specific treatment (see on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses
1 000 1 001 11	present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/internation
	regulations.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

(Cont'd. on page 3)

Sysmex America, Inc.

577 Aptakisic Road, Lincolnshire, IL 60069 Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)



Page: 3/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Revision: March 14, 2019

Trade name: CyLyse FX

		(Cont'd. of page
Compone	ents:	
111-46-6	diethylene glycol	25-50%
	STOT RE 2, H373	
	Acute Tox. 4, H302	
50-00-0	Formaldehyde	<25%
	 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 Muta. 2, H341; Carc. 1B, H350 Skin Corr. 1B, H314 	
07 50 1	Skin Sens. 1, H317	=0/
67-56-1		<5%
	Flam. Liq. 2, H225 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT SE 1, H370	
	Eve Irrit. 2B, H320	
- Additiona	al information:	

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

[•] Description of first aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

• After skin contact:

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation or rash occurs: Get medical advice/attention.

· After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed:

Headache

Allergic reactions

Irritating to eyes, respiratory system and skin. Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

Acidosis

Cramp

Danger:

Harmful if swallowed, in contact with skin or if inhaled.

Danger of gastric perforation.

Danger of convulsion.

Danger of disturbed cardiac rhythm.

(Cont'd. on page 4)

Sysmex America, Inc.

577 Aptakisic Road, Lincolnshire, IL 60069 Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)



Page: 4/12

(Cont'd. of page 3)

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019 Revision: March 14, 2019

Trade name: CyLyse FX

May cause cancer. Route of exposure: Inhalation. Suspected of causing genetic defects.

May cause damage to the central nervous system and optic nerve.

May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

· Indication of any immediate medical attention and special treatment needed:

Contains Formaldehyde. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

If swallowed, gastric irrigation with added, activated carbon.

Medical supervision for at least 48 hours.

Monitor circulation, possible shock treatment.

5 Fire-fighting measures

Extinguishing media

• Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray.

· For safety reasons unsuitable extinguishing agents: None.

· Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

• Advice for firefighters

· Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

[•] Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

• Environmental precautions Avoid release to the environment.

• Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles.

• Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

[·] Handling

• Precautions for safe handling:

(Cont'd. on page 5)

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Page: 5/12

(Cont'd. of page 4)

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Revision: March 14, 2019

Trade name: CyLyse FX

Avoid splashes or spray in enclosed areas. Use only in well ventilated areas. Avoid contact with the eyes and skin. Open and handle receptacle with care.

Conditions for safe storage, including any incompatibilities Requirements to be met by storerooms and receptacles:

Use only receptacles specifically permitted for this substance/product.

Avoid storage near extreme heat, ignition sources or open flame.

Store in cool, dry conditions in well sealed receptacles.

· Information about storage in one common storage facility: Store away from foodstuffs.

· Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

· Control parameters

· Components wit	h limit values that require monitoring at the workpla	ice:
50-00-0 Formald	ehyde	
PEL (USA)	Short-term value: 2 ppm Long-term value: 0.75 ppm see 29 CFR 1910.1048(c)	
REL (USA)	Long-term value: 0.016 ppm Ceiling limit value: 0.1* ppm *15-min; See Pocket Guide App. A	
TLV (USA)	Short-term value: 0.37 mg/m³, 0.3 ppm Long-term value: 0.12 mg/m³, 0.1 ppm DSEN; RSEN	
EL (Canada)	Long-term value: 0.3 ppm Ceiling limit value: 1 ppm ACGIH A1; IARC 1; S(D), S(R)	
EV (Canada)	Short-term value: 1.0 ppm	
Ceiling limit value	1.5 ppm	
LMPE (Mexico)	Ceiling limit value: 0.3 ppm A2, SEN	
67-56-1 Methano	l	
PEL (USA)	Long-term value: 260 mg/m³, 200 ppm	
REL (USA)	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin	
TLV (USA)	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI	
		(Cont'd. on page

Sysmex America, Inc.

577 Aptakisic Road, Lincolnshire, IL 60069 Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)



Page: 6/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Revision: March 14, 2019

Trade name: CyLyse FX

EL (Canad		(Cont'd. of page 5)
) Short-term value: 250 ppm Long-term value: 200 ppm Skin	
EV (Canad	 Short-term value: 325 mg/m³, 29 Long-term value: 260 mg/m³, 20 Skin 	
LMPE (Me	ico) Short-term value: 250 ppm Long-term value: 200 ppm PIEL, IBE	
111-46-6 d	ethylene glycol	
WEEL (US	A) Long-term value: 10 mg/m ³	
· Ingredient	with biological limit values:	
67-56-1 Me	thanol	
BEI (USA)	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, non	specific)
	remove all soiled and contaminated closed of the solid of work.	othing.
 Engineerii Breathing Use suitab Use suitab 	s before breaks and at the end of work. e gases / fumes / aerosols. ct with the eyes and skin. g controls: No relevant information ava equipment: e respiratory protective device in case o e respiratory protective device when aer espiratory protection may be advisable.	ailable. f insufficient ventilation.
Engineerin Breathing Use suitable Use suitable For spills, r Protection	s before breaks and at the end of work. e gases / fumes / aerosols. ct with the eyes and skin. g controls: No relevant information ava equipment: e respiratory protective device in case o e respiratory protective device when aer espiratory protection may be advisable.	ailable. f insufficient ventilation.
• Engineeriu • Breathing Use suitab Use suitab For spills, r • Protection	s before breaks and at the end of work. e gases / fumes / aerosols. ct with the eyes and skin. g controls: No relevant information ava equipment: e respiratory protective device in case o e respiratory protective device when aer espiratory protection may be advisable. of hands: tective gloves	ailable. f insufficient ventilation.
 Engineerin Breathing Use suitability Use suitability For spills, r Protection Protection The glove r Eye protection 	s before breaks and at the end of work. e gases / fumes / aerosols. ct with the eyes and skin. g controls: No relevant information ava equipment: e respiratory protective device in case o e respiratory protective device when aer espiratory protection may be advisable. of hands: tective gloves	ailable. f insufficient ventilation. osol or mist is formed.

Sysmex America, Inc.

577 Aptakisic Road, Lincolnshire, IL 60069 Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)



Page: 7/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Revision: March 14, 2019

(Cont'd. of page 6)

Trade name: CyLyse FX

· Risk management measures No relevant information available.

9 Physical and chemical properties				
[·] Information on basic physical and chemical properties				
· Appearance:				
Form:	Liquid			
Color:	Clear			
	Colorless to pale yellow.			
Odor:	Mild			
Odor threshold:	Not determined.			
pH-value:	Not determined.			
Melting point/Melting range:	Not determined.			
Boiling point/Boiling range:	Not determined.			
Flash point:	Not applicable.			
Flammability (solid, gaseous):	Not applicable.			
Auto-ignition temperature:	Not determined.			
Decomposition temperature:	Not determined.			
Danger of explosion:	Product does not present an explosion hazard.			
Explosion limits				
Lower:	Not determined.			
Upper:	Not determined.			
Oxidizing properties:	Non-oxidizing.			
Vapor pressure:	Not determined.			
Density:				
Relative density:	Not determined.			
Vapor density:	Not determined.			
Evaporation rate:	Not determined.			
Solubility in / Miscibility with				
Water:	Fully miscible.			
Partition coefficient (n-octanol/wa	ter): Not determined.			
Viscosity				
Dynamic:	Not determined.			
Kinematic:	Not determined.			
Other information	No relevant information available.			

(Cont'd. on page 8)

Sysmex America, Inc.

577 Aptakisic Road, Lincolnshire, IL 60069 Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)



Page: 8/12

(Cont'd. of page 7)

Revision: March 14, 2019

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Trade name: CyLyse FX

) Stability and reactivity	
• Reactivity: No relevant information available.	
· Chemical stability:	
Thermal decomposition / conditions to be avoided:	
No decomposition if used and stored according to specifications.	
Possibility of hazardous reactions	
Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidizing agents.	
Reacts with strong alkali.	
Conditions to avoid Excessive heat.	
[·] Incompatible materials Oxidizers, strong bases, strong acids	
 Hazardous decomposition products 	
Under fire conditions only:	
Carbon monoxide and carbon dioxide	
I Toxicological information	
•	
Information on toxicological effects	
• Acute toxicity: Harmful if swallowed, in contact with skin or if inhaled.	
· LD/LC50 values that are relevant for classification:	
111-46-6 diethylene glycol	
Oral LD50 1120 mg/kg (man)	
12565 ma/ka (rat)	
12565 mg/kg (rat)	
Dermal LD50 11890 mg/kg (rabbit)	
Dermal LD50 11890 mg/kg (rabbit)	
Dermal LD50 11890 mg/kg (rabbit)50-00-0 FormaldehydeOralLD50 >200 mg/kg (rat)Primary irritant effect:	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) • Primary irritant effect: • On the skin: Irritant to skin and mucous membranes.	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) • Primary irritant effect: • On the skin: Irritant to skin and mucous membranes. • On the eye: Causes eye irritation.	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) * Primary irritant effect: • On the skin: Irritant to skin and mucous membranes. • On the eye: Causes eye irritation. • Sensitization: Contains Formaldehyde. May produce an allergic reaction.	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) • Primary irritant effect: • On the skin: Irritant to skin and mucous membranes. • On the eye: Causes eye irritation. • Sensitization: Contains Formaldehyde. May produce an allergic reaction. • IARC (International Agency for Research on Cancer):	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) Primary irritant effect: On the skin: Irritant to skin and mucous membranes. On the eye: Causes eye irritation. Sensitization: Contains Formaldehyde. May produce an allergic reaction. IARC (International Agency for Research on Cancer): 50-00-0 Formaldehyde	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) * Primary irritant effect: • On the skin: Irritant to skin and mucous membranes. • On the skin: Irritant to skin and mucous membranes. • On the eye: Causes eye irritation. • Sensitization: Contains Formaldehyde. May produce an allergic reaction. • IARC (International Agency for Research on Cancer): 50-00-0 • NTP (National Toxicology Program):	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) • Primary irritant effect: • On the skin: Irritant to skin and mucous membranes. • On the skin: Irritant to skin and mucous membranes. • On the eye: Causes eye irritation. • Sensitization: Contains Formaldehyde. May produce an allergic reaction. • IARC (International Agency for Research on Cancer): 50-00-0 • NTP (National Toxicology Program): 50-00-0 Formaldehyde	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde OralLD50 >200 mg/kg (rat)• Primary irritant effect: • On the skin: Irritant to skin and mucous membranes. • On the eye: Causes eye irritation. • Sensitization: Contains Formaldehyde. May produce an allergic reaction. 	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) • Primary irritant effect: • On the skin: Irritant to skin and mucous membranes. • On the skin: Irritant to skin and mucous membranes. • On the eye: Causes eye irritation. • Sensitization: Contains Formaldehyde. May produce an allergic reaction. • IARC (International Agency for Research on Cancer): 50-00-0 • NTP (National Toxicology Program): 50-00-0 Formaldehyde	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) Primary irritant effect: On the skin: Irritant to skin and mucous membranes. On the eye: Causes eye irritation. Sensitization: Contains Formaldehyde. May produce an allergic reaction. IARC (International Agency for Research on Cancer): 50-00-0 Formaldehyde NTP (National Toxicology Program): 50-00-0 Formaldehyde OSHA-Ca (Occupational Safety & Health Administration): 50-00-0 Formaldehyde	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde Oral LD50 >200 mg/kg (rat) Primary irritant effect: On the skin: Irritant to skin and mucous membranes. On the eye: Causes eye irritation. Sensitization: Contains Formaldehyde. May produce an allergic reaction. IARC (International Agency for Research on Cancer): 50-00-0 Formaldehyde NTP (National Toxicology Program): 50-00-0 Formaldehyde OSHA-Ca (Occupational Safety & Health Administration): 50-00-0 Formaldehyde Probable route(s) of exposure: Ingestion.	
Dermal LD50 11890 mg/kg (rabbit) 50-00-0 Formaldehyde OralLD50 >200 mg/kg (rat)Primary irritant effect:On the skin: Irritant to skin and mucous membranes.On the eye: Causes eye irritation.Sensitization: Contains Formaldehyde. May produce an allergic reaction.IARC (International Agency for Research on Cancer):50-00-0FormaldehydeNTP (National Toxicology Program):50-00-0FormaldehydeOSHA-Ca (Occupational Safety & Health Administration):50-00-0Formaldehyde	

Sysmex America, Inc.

577 Aptakisic Road, Lincolnshire, IL 60069 Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)



Page: 9/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Trade name: CyLyse FX

(Cont'd. of page 8)

Revision: March 14, 2019

Skin contact.

- · Germ cell mutagenicity: Suspected of causing genetic defects.
- · Carcinogenicity: May cause cancer. Route of exposure: Inhalation.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· STOT-single exposure: May cause damage to the central nervous system and optic nerve.

• STOT-repeated exposure:

May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral. • **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

[·] Toxicity

- · Aquatic toxicity No relevant information available.
- · Persistence and degradability No relevant information available.
- · Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.
- Additional ecological information
- · General notes: Avoid release to the environment.
- Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- · Other adverse effects No relevant information available.

13 Disposal considerations

[•] Waste treatment methods

· Recommendation:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

[·] Uncleaned packagings

• **Recommendation:** Disposal must be made according to official regulations.

UN-Number		
DOT, ADR/RID/ADN, IMDG, IATA	Not regulated.	
UN proper shipping name		
DOT, ADR/RID/ADN, IMDG, IATA	Not regulated.	

577 Aptakisic Road, Lincolnshire, IL 60069 Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)



Page: 10/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Revision: March 14, 2019

Trade name: CyLyse FX

		(Cont'd. of page 9)
 Transport hazard class(es) 		
· DOT, ADR/RID/ADN, IMDG, IATA · Class	Not regulated.	
 Packing group DOT, ADR/RID/ADN, IMDG, IATA 	Not regulated.	
 Environmental hazards Marine pollutant: 	No	
• Special precautions for user	Not applicable.	
 Transport in bulk according to Annex MARPOL73/78 and the IBC Code 	II of Not applicable.	

Section 302 (extremely hazardous substances): None of the ingredients are listed. Section 355 (extremely hazardous substances): 50-00-0 Formaldehvde Section 313 (Specific toxic chemical listings): 50-00-0 Formaldehvde 67-56-1 Methanol TSCA (Toxic Substances Control Act) All ingredients are listed. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): 50-00-0 Formaldehyde 50-00-0 Formaldehyde 50-00-0 Formaldehyde 50-00-0 Formaldehyde 50-00-0 Formaldehyde 50-00-0 Formaldehyde Chemicals known to cause cancer: 50-00-0 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males: None of the ingredients are listed.	Safety, health and environmental regulations/legislation spec mixture United States (USA) SARA	cific for the substance
Section 355 (extremely hazardous substances): 50-00-0 Formaldehvde Section 313 (Specific toxic chemical listings): 50-00-0 Formaldehvde 67-56-1 Methanol TSCA (Toxic Substances Control Act) All ingredients are listed. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): 50-00-0 Formaldehyde 50-00-0 Formaldehyde 1500 Proposition 65 (California) Chemicals known to cause cancer: 50-00-0 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	Section 302 (extremely hazardous substances):	
50-00-0 Formaldehvde Section 313 (Specific toxic chemical listings): 50-00-0 Formaldehvde 67-56-1 Methanol TSCA (Toxic Substances Control Act) All ingredients are listed. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): 50-00-0 Formaldehyde 50-00-0 Formaldehyde 1500 Proposition 65 (California) Chemicals known to cause cancer: 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	None of the ingredients are listed.	
Section 313 (Specific toxic chemical listings): 50-00-0 Formaldehyde 67-56-1 Methanol TSCA (Toxic Substances Control Act) All ingredients are listed. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): 50-00-0 Formaldehyde 50-00-0 Formaldehyde 1500 Proposition 65 (California) Chemicals known to cause cancer: 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	Section 355 (extremely hazardous substances):	
50-00-0 Formaldehyde 67-56-1 Methanol TSCA (Toxic Substances Control Act) All ingredients are listed. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): 50-00-0 Formaldehyde 1500 Proposition 65 (California) Chemicals known to cause cancer: 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	50-00-0 Formaldehvde	
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TSCA (Toxic Substances Control Act) All ingredients are listed. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): 50-00-0 Formaldehyde 1500 Proposition 65 (California) Chemicals known to cause cancer: 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	50-00-0 Formaldehyde	
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Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): 1500 50-00-0 Formaldehyde 1500 Proposition 65 (California) 1500 Chemicals known to cause cancer: 50-00-0 50-00-0 Formaldehyde 1500 Chemicals known to cause developmental toxicity for females: 1500 None of the ingredients are listed. 1500 Chemicals known to cause developmental toxicity for males: 1500	TSCA (Toxic Substances Control Act)	
50-00-0 Formaldehyde 1500 Proposition 65 (California) Chemicals known to cause cancer: 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	All ingredients are listed.	
Proposition 65 (California) Chemicals known to cause cancer: 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 C	FR 68.130):
Proposition 65 (California) Chemicals known to cause cancer: 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	50-00-0 Formaldehyde	1500
Chemicals known to cause cancer: 50-00-0 Formaldehyde Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	Proposition 65 (California)	
Chemicals known to cause developmental toxicity for females: None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	Chemicals known to cause cancer:	
None of the ingredients are listed. Chemicals known to cause developmental toxicity for males:	50-00-0 Formaldehyde	
Chemicals known to cause developmental toxicity for males:	Chemicals known to cause developmental toxicity for females:	
• •	None of the ingredients are listed.	
None of the ingredients are listed.	Chemicals known to cause developmental toxicity for males:	
	None of the ingredients are listed.	

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Page: 11/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Revision: March 14, 2019

Trade name: CyLyse FX

	(Cont'd. of page 1
· Chemicals known to cause developmental toxicity:	
67-56-1 Methanol	
· EPA (Environmental Protection Agency):	
50-00-0 Formaldehyde	Bŕ
IARC (International Agency for Research on Cancer):	
50-00-0 Formaldehyde	
 Canadian Domestic Substances List (DSL) (Substances not listed.): 	

All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Abbreviations and acronyms:

Abbreviations and acronyms:	
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road	
IMDG: International Maritime Code for Dangerous Goods	
DOT: US Department of Transportation	
IATA: International Air Transport Association	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
PBT: Persistant, Bio-accumulable, Toxic	
vPvB: very Persistent and very Bioaccumulative	
OSHA: Occupational Safety & Health Administration	
Flam. Liq. 2: Flammable liquids – Category 2	
Acute Tox. 3: Acute toxicity – Category 3	
Acute Tox. 4: Acute toxicity – Category 4	
Skin Corr. 1B: Skin corrosion/irritation – Category 1B	
Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A	
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B	
Skin Sens. 1: Skin sensitisation – Category 1	
Muta. 2: Germ cell mutagenicity – Category 2	
Carc. 1B: Carcinogenicity – Category 1B	
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1 STOT SE 2: Specific target organ toxicity (single exposure) – Category 2	
STOT SE 2. Specific target organ toxicity (single exposure) – Category 2 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
Sources	
Website, European Chemicals Agency (echa.europa.eu)	
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/	
overview/home.do)	
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)	
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6	
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN:	
978-0-07-176923-5.	
Safety Data Sheets, Individual Manufacturers	
SDS Prepared by:	
(Cont'd. on page 12)	

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Page: 12/12

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: March 14, 2019

Revision: March 14, 2019

(Cont'd. of page 11)

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