

Reviewed on 02/24/2023

## 1 Identification

- · Product identifier
- Product Name: <u>Method 524.2 Revision 4 Mix</u>
- · Part Name: 5242-R4200
- · Application of the substance / the mixture Certified Reference Material
- Details of the supplier of the safety data sheet
   Manufacturer/Supplier:
   Spex CertiPrep, LLC.
   203 Norcross Ave, Metuchen,
   NJ 08840 USA
   732-549-7144
   USMet-CRMSales@antylia.com
- Information department: product safety department • Emergency telephone number:
- Emergency Phone Number (24 hours) CHEMTREC (800-424-9300) Outside US: 703-527-3887
- 2 Hazard(s) identification
- · Classification of the substance or mixture



Flammable Liquids 2

H225 Highly flammable liquid and vapor.

GHS06 Skull and crossbones

Acute Toxicity - Inhalation 3



Specific Target Organ Toxicity - Single Exposure 1 H370 Causes damage to the central nervous system and the visual organs.

H331 Toxic if inhaled.

- · Label elements
- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



· Signal word Danger

- · Hazard-determining components of labeling:
- methanol
- · Hazard statements
- H225 Highly flammable liquid and vapor.
- H331 Toxic if inhaled.

H370 Causes damage to the central nervous system and the visual organs.

· Precautionary statements

P210	<i>Ceep away from heat/sparks/open flames/hot surfaces No smoking.</i>
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P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.
- P321 Specific treatment (see on this label).
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.

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 P405
 Store locked up.

 P501
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Safety Data Sheet

acc. to OSHA HCS

- · Classification system:
- · NFPA ratings (scale 0 4)



Health = 1Fire = 3 Reactivity = 0

## · HMIS-ratings (scale 0 - 4)



- Other hazards
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

#### · Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

67-56-1 m	nethanol	99.52%
Chemical i	identification of the substance/preparation	L
60-29-7	diethyl ether	0.02%
67-64-1	acetone	0.02%
67-72-1	hexachloroethane	0.02%
74-88-4	iodomethane	0.02%
75-15-0	carbon disulphide	0.02%
76-01-7	pentachloroethane	0.02%
78-93-3	butanone	0.02%
79-46-9	2-nitropropane	0.02%
80-62-6	methyl methacrylate	0.02%
96-33-3	methyl acrylate	0.02%
97-63-2	ethyl methacrylate	0.02%
98-95-3	nitrobenzene	0.02%
107-05-1	3-chloropropene	0.02%
107-12-0	propanenitrile	0.02%
107-13-1	acrylonitrile	0.02%
107-14-2	chloroacetonitrile	0.02%
108-10-1	4-methylpentan-2-one	0.02%
	1-chlorobutane	0.02%
109-99-9	tetrahydrofuran	0.02%
110-57-6	(2E)-1,4-dichloro-2-butene	0.02%
126-98-7	methacrylonitrile	0.02%
513-88-2	1,1-dichloroacetone	0.02%
591-78-6	hexan-2-one	0.02%
1634-04-4	Methyl-tert-butyl ether	0.02%

## 4 First-aid measures

### · Description of first aid measures

#### • General information:

Immediately remove any clothing soiled by the product.

- Remove breathing apparatus only after contaminated clothing have been completely removed.
- In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

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- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Do not give anything to eat or drink Do not induce vomitting
- · Information for Doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

## 5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters

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· Protective equipment: Mouth respiratory protective device.

## 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
• Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
· Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
· 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.
· Protective Action Criteria for Chemicals
• PAC-1:
67-56-1 methanol

1110 11		
67-56-1	methanol	530 ppm
60-29-7	diethyl ether	500 ppm
67-64-1	acetone	200 ppm
	hexachloroethane	3 ppm
74-88-4	iodomethane	25 ppm
75-15-0	carbon disulphide	13 ppm
76-01-7	pentachloroethane	130 mg/m <sup>3</sup>
78-93-3	butanone	200 ppm
79-46-9	2-nitropropane	30 ppm
80-62-6	methyl methacrylate	17 ppm
96-33-3	methyl acrylate	6 ppm
97-63-2	ethyl methacrylate	5.5 ppm
98-95- <i>3</i>	nitrobenzene	3 ppm
107-05-1	3-chloropropene	2.8 ppm
107-12-0	propanenitrile	0.27 ppm
107-13-1	acrylonitrile	0.15 ppm
107-14-2	chloroacetonitrile	0.45 ppm
108-10-1	4-methylpentan-2-one	75 ppm
109-69-3	1-chlorobutane	4.1 ppm
	tetrahydrofuran	100 ppm
	(2E)-1,4-dichloro-2-butene	0.078 ppm
126-98-7	methacrylonitrile	0.091 ppm
591-78-6	hexan-2-one	10 ppm
1634-04-4	Methyl-tert-butyl ether	50 ppm
PAC-2:		
67-56-1	methanol	2,100 ppm
60-29-7	diethyl ether	3200* ppm
67-64-1	acetone	3200* ppm
67-72-1	hexachloroethane	36 ppm

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		(Contd. of page 3
74-88-4	iodomethane	50 ppm
75-15-0	carbon disulphide	160 ppm
76-01-7	pentachloroethane	730 mg/m <sup>3</sup>
78-93-3	butanone	2700* ppm
79-46-9	2-nitropropane	380 ppm
80-62-6	methyl methacrylate	120 ppm
	methyl acrylate	170 ppm
97-63-2	ethyl methacrylate	61 ppm
98-95-3	nitrobenzene	20 ppm
107-05-1	3-chloropropene	54 ppm
107-12-0	propanenitrile	3.0 ppm
	acrylonitrile	1.7 ppm
	chloroacetonitrile	5.0 ppm
108-10-1	4-methylpentan-2-one	500 ppm
	1-chlorobutane	45 ppm
109-99-9	tetrahydrofuran	500 ppm
	(2E)-1,4-dichloro-2-butene	0.86 ppm
	methacrylonitrile	1.0 ppm
	hexan-2-one	830 ppm
1634-04-4	Methyl-tert-butyl ether	570 ppm
· PAC-3:		
	methanol	7200* ppm
	diethyl ether	19000*** ppm
67-64-1		5700* ppm
	hexachloroethane	300 ppm
74-88-4	iodomethane	125 ppm
	carbon disulphide	480 ppm
	pentachloroethane	1,200 mg/m <sup>3</sup>
	butanone	4000* ppm
	2-nitropropane	2,300 ppm
	methyl methacrylate	570 ppm
	methyl acrylate	1,000 ppm
	ethyl methacrylate	370 ppm
	nitrobenzene	200 ppm
107-05-1	3-chloropropene	140 ppm
	propanenitrile	9.1 ppm
	acrylonitrile	28 ppm
	chloroacetonitrile	15 ppm
	4-methylpentan-2-one	3000* ppm
	1-chlorobutane	340 ppm
	tetrahydrofuran	5000* ppm
	(2E)-1,4-dichloro-2-butene	3.8 ppm
	methacrylonitrile	3.1 ppm
	hexan-2-one	5000* ppm

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# 7 Handling and storage

- · Handling:
- · Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- Keep respiratory protective device available.



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- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
- Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

#### · Control parameters

· Com	· Components with limit values that require monitoring at the workplace:		
67-50	6-1 methanol		
PEL	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm		
	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin		
	Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI		
· Ingre	edients with biological limit values:		
67-50	6-1 methanol		
BEI	15 mg/L		
	Medium: urine		
	Time: end of shift		
	Parameter: Methanol (background, nonspecific)		

Safety Data Sheet acc. to OSHA HCS

· Additional information: The lists that were valid during the creation were used as basis.

#### · Exposure controls

- · Personal protective equipment:
- · General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work. Store protective clothing separately.
- · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• *Penetration time of glove material* The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. • *Eye protection:* 



Tightly sealed goggles

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• Odor:       Cha         • Odour Threshold:       Not         • pH-value:       Not         • Change in condition       Melting point/Melting range:         Boiling point/Boiling range:       64.7	uid cording to product specification aracteristic t applicable. determined. 7 °C (148.5 °F)
<ul> <li>Appearance:         <ul> <li>Form:</li> <li>Liqu</li> <li>Color:</li> <li>Accc.</li> <li>Odor:</li> <li>Chai</li> <li>Odour Threshold:</li> <li>Not</li> </ul> </li> <li>PH-value:</li> <li>Not</li> <li>Change in condition         <ul> <li>Melting point/Melting range:</li> <li>Una Boiling point/Boiling range:</li> <li>64.7</li> </ul> </li> </ul>	cording to product specification aracteristic t applicable. t applicable. determined. 7 °C (148.5 °F)
Form:       Liqu         Color:       Acco         • Odor:       Cha         • Odour Threshold:       Not         • pH-value:       Not         • Change in condition       Melting point/Melting range:         Boiling point/Boiling range:       64.7	cording to product specification aracteristic t applicable. t applicable. determined. 7 °C (148.5 °F)
Color:       Acc         • Odor:       Cha         • Odour Threshold:       Not         • pH-value:       Not         • Change in condition       Melting point/Melting range:         Boiling point/Boiling range:       64.7	cording to product specification aracteristic t applicable. t applicable. determined. 7 °C (148.5 °F)
• Odor:       Cha         • Odour Threshold:       Not         • pH-value:       Not         • Change in condition       Melting point/Melting range:         Boiling point/Boiling range:       64.7	aracteristic t applicable. determined. 7 °C (148.5 °F)
Odour Threshold:       Not         • pH-value:       Not         • Change in condition Melting point/Melting range:       Una Boiling point/Boiling range:	t applicable. t applicable. determined. 7 °C (148.5 °F)
pH-value:NotChange in condition Melting point/Melting range:Una Boiling point/Boiling range:64.7	et applicable. determined. 7 °C (148.5 °F)
Change in condition Melting point/Melting range: Una Boiling point/Boiling range: 64.7	determined. 7 °C (148.5 °F)
Melting point/Melting range:UnaBoiling point/Boiling range:64.7	7 °C (148.5 °F)
<b>Boiling point/Boiling range:</b> 64.7	7 °C (148.5 °F)
81 8 8	
• Flash point: < 2.	
	$3 ^{\circ}C (< 73.4 ^{\circ}F)$
• Flammability (solid, gaseous): High	thly flammable.
• Ignition temperature: 455	5 °C (851 °F)
• Decomposition temperature: Not	t applicable.
• Auto igniting: Prov	oduct is not selfigniting.
• Danger of explosion: Pro-	duct is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
	Vol %
Upper: 44 V	Vol %
• Vapor pressure at 20 °C (68 °F): 128	3 hPa (96 mm Hg)
• Density at 20 °C (68 °F) 0.79	9136 g/cm <sup>3</sup> (6.6039 lbs/gal)
• Relative density Not	t applicable.
· Vapor density Not	t applicable.
• Evaporation rate Not	t applicable.
· Solubility in / Miscibility with	
	ly miscible.
· Partition coefficient (n-octanol/water): Not	t applicable.
· Viscosity:	
Dynamic: Not	t applicable.
Kinematic: Not	t applicable.
· Solvent content:	
Organic solvents: 99.7	7 %
	66 %
Solids content: 0.0	%
• Other information No j	further relevant information available.

# 10 Stability and reactivity

· Reactivity No further relevant information available.

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

	•
· LD/LC50	) values that are relevant for classification:
67-56-1 n	
Oral I	LD50 5,628 mg/kg (rat)
Dermal I	LD50 15,800 mg/kg (rabbit)
· Primary i	irritant effect:

• on the eye: No irritating effect.

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· Sensitization: No sensitizing effects known.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Toxic

Carcino	genic	categories

· IARC (Inte	rnational Agency for Research on Cancer)	
	hexachloroethane	2B
	iodomethane	3
76-01-7	pentachloroethane	3
79-46-9	2-nitropropane	28
80-62-6	methyl methacrylate	3
96-33-3	methyl acrylate	2B
<i>98-95-3</i>	nitrobenzene	28
107-05-1	3-chloropropene	3
107-13-1	acrylonitrile	28
	chloroacetonitrile	3
	4-methylpentan-2-one	28
109-99-9	tetrahydrofuran	28
110-57-6	(2E)-1,4-dichloro-2-butene	3
1634-04-4	Methyl-tert-butyl ether	3
· NTP (Natio	onal Toxicology Program)	
67-72-1	vexachloroethane	R
79-46-9 2	-nitropropane	R
98-95-3 1	itrobenzene	R
107-13-1 c	crylonitrile	R
· OSHA-Ca	(Occupational Safety & Health Administration)	·
	crylonitrile	

## 12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

## 13 Disposal considerations

· Waste treatment methods

• Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information				
· UN-Number · DOT, ADR, IMDG, IATA	UN1230			
· UN proper shipping name · DOT · ADR · IMDG, IATA	Methanol 1230 METHANOL METHANOL			

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Transport hazard class(es)	
DOT	
· Class	3 Flammable liquids
·Label	3, 6.1
· ADR	
· Class · Label	3 Flammable liquids 3+6.1
·IMDG	
· Class · Label	3 Flammable liquids 3/6.1
·IAUE	5/0.1
· Class · Label	3 Flammable liquids 3 (6.1)
· Packing group	
· DOT, ADR, IMDG, IATA	II
Environmental hazards:	Not applicable.
· Special precautions for user · Hazard identification number (Kemler code):	Warning: Flammable liquids 336
• Hazara identification number (Kemter code): • EMS Number:	550 F-E,S-D
• Stowage Category • Stowage Code	B SW2 Clear of living quarters
• Stowage Code • Transport in bulk according to Annex II of MARPOL73/78 (	SW2 Clear of living quarters.
Transport in back according to Annex 11 of MART OL/3/78 (     Transport/Additional information:	
· ADR	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· IMDG	
<ul> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>	1L Code: E2
· Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1230 METHANOL, 3 (6.1), II

## 15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available. • Sara

· Section 313 (Specific toxic chemical listings):		
67-56-1	methanol	
67-72-1	hexachloroethane	
	(Contd. on maga 0)	

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		(Contd. of page 8)
74-88-4	iodomethane	(Conta: of page 8)
	carbon disulphide	
	pentachloroethane	
79-46-9	2-nitropropane	
	methyl methacrylate	
	methyl acrylate	
98-95-3	nitrobenzene	
107-05-1	3-chloropropene	
107-13-1	acrylonitrile	
108-10-1	4-methylpentan-2-one	
110-57-6	(2E)-1,4-dichloro-2-butene	
	methacrylonitrile	
1634-04-4	Methyl-tert-butyl ether	
· TSCA (To	cic Substances Control Act):	
67-56-1	methanol	ACTIVE
60-29-7	diethyl ether	ACTIVE
67-64-1	acetone	ACTIVE
67-72-1	hexachloroethane	ACTIVE
	iodomethane	ACTIVE
	carbon disulphide	ACTIVE
	pentachloroethane	ACTIVE
	butanone	ACTIVE
	2-nitropropane	ACTIVE
	methyl methacrylate	ACTIVE
	methyl acrylate	ACTIVE
	ethyl methacrylate	ACTIVE
	nitrobenzene	ACTIVE
	3-chloropropene	ACTIVE
	propanenitrile	ACTIVE
	acrylonitrile	ACTIVE
	chloroacetonitrile	ACTIVE
	4-methylpentan-2-one	ACTIVE
	1-chlorobutane	ACTIVE
	tetrahydrofuran (2E)-1,4-dichloro-2-butene	ACTIVE ACTIVE
	(2E)-1,4-dichloro-2-butene methacrylonitrile	
	hexan-2-one	ACTIVE ACTIVE
		ACTIVE
	Methyl-tert-butyl ether	ACTIVE
	Air Pollutants	
	methanol	
	hexachloroethane	
	iodomethane	
	carbon disulphide 2-nitropropane	
	methyl methacrylate	
	nitrobenzene	
	3-chloropropene	
	acrylonitrile	
	4-methylpentan-2-one	
	Methyl-tert-butyl ether	
· Propositio		
_	known to cause cancer:	
	hexachloroethane	
	odomethane	
	2-nitropropane	
	nethyl acrylate	
I		(Contd. on page 10)

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	nitrobenzene	
	acrylonitrile	
	4-methylpentan-2-one	
109-99-9 1	terahydrofuran	
· Chemicals	known to cause reproductive toxicity for females:	
	urbon disulphide	
· Chemicals	known to cause reproductive toxicity for males:	
75-15-0	carbon disulphide	
98-95-3 1	nitrobenzene	
591-78-6	hexan-2-one	
· Chemicals	known to cause developmental toxicity:	
67-56-1		
75-15-0	carbon disulphide	
108-10-1	4-methylpentan-2-one	
591-78-6	hexan-2-one	
· Carcinoge	nic categories	
	ronmental Protection Agency)	
67-64-1		Ι
	hexachloroethane	L
78-93-3	butanone	Ι
	nethyl methacrylate	E, NL
	nethyl acrylate	D
	nitrobenzene	L
107-05-1	3-chloropropene	С
	icrylonitrile	B1
	4-methylpentan-2-one	Ι
	1-chlorobutane	D
109-99-9 1	terahydrofuran	SC
	hexan-2-one	II
• TLV (Thre	shold Limit Value)	I
67-64-1		A4
	hexachloroethane	A3
75-15-0	carbon disulphide	A4
	2-nitropropane	A3
	methyl methacrylate	A4
	methyl acrylate	A4
98-95-3	nitrobenzene	A3
107-05-1	3-chloropropene	A3
	acrylonitrile	A3
109-99-9	tetrahydrofuran	A3
1634-04-4	Methyl-tert-butyl ether	A3
· NIOSH-Ca	a (National Institute for Occupational Safety and Health)	· · · ·
67-72-1	hexachloroethane	
74-88-4	odomethane	
79-46-9	2-nitropropane	

107-13-1 acrylonitrile

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).





· Signal word Danger

• Hazard-determining components of labeling: methanol

· Hazard statements

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H225 Highly flamm	nable liquid and vapor.	
H331 Toxic if inhaled.		
H370 Causes dama	age to the central nervous system and the visual organs.	
· Precautionary statements		
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.	
P240	Ground/bond container and receiving equipment.	
P241	Use explosion-proof electrical/ventilating/lighting/equipment.	
P242	Use only non-sparking tools.	
P243	Take precautionary measures against static discharge.	
P260	Do not breathe dust/fume/gas/mist/vapors/spray.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.		
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P307+P311	IF exposed: Call a POISON CENTER or doctor/physician.	
P321	Specific treatment (see on this label).	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.	
P403+P235	Store in a well-ventilated place. Keep cool.	
P405	Store locked up.	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.	
. Chamical safety assessment: A Chemical Safety Assessment has not been carried out		

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 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.

Safety Data Sheet

acc. to OSHA HCS

· Department issuing SDS: product safety department

#### · Contact:

Spex CertiPrep, LLC. 1-732-549-7144 • Date of preparation / last revision 02/24/2023 • Abbreviations and acronyms: ADR: Accord relatif at transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European Inventory of Existing Commercial Chemical Substances ELINCS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hacardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent DD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPtB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Liniv Labe PEI: Permissible Exposure Linit REI: Recommended Exposure Linit REI: Recommended Exposure Linit Flammable Liquids 2: Flammable liquids – Category 2 Acute Toxicity - Inhalation 3: Acute toxicity – Category 3 Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) – Category 1

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