

Revision date 08/23/2024

1 Identification

· Product identifier

· Product Name: Semi-Volatile Standard (1X1 mL)

· Part number: SVM-525-1

· Application of the substance / the mixture Reagents and Standards for Analytical Chemical Laboratory Use

· Details of the supplier of the safety data sheet

Manufacturer/Supplier:
 Agilent Technologies, Inc.
 5301 Stevens Creek Blvd.
 Santa Clara, CA 95051 USA

· Information department:

Telephone: 800-227-9770

e-mail: pdl-msds author@agilent.com

· Emergency telephone number: CHEMTREC®: 1-800-424-9300

2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 1B

H350 May cause cancer.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

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







GHS02

GHS07

GHS08

- · Signal word Danger
- · Hazard-determining components of labeling:

acetone

benzo[a]pyrene

dibenz[a,h]anthracene

· Hazard statements

H225 Highly flammable liquid and vapor.

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H319 Causes serious eye irritation.

H350 May cause cancer.

H336 May cause drowsiness or dizziness.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P210 P241 Use explosion-proof electrical/ventilating/lighting/equipment. P261

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear protective gloves/protective clothing/eye protection/face protection. P280

Ground/bond container and receiving equipment. P240

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P201 Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood. P202

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a poison center/doctor if you feel unwell. P312

IF exposed or concerned: Get medical advice/attention. P308+P313 If eye irritation persists: Get medical advice/attention. P337+P313

P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.

P405 Store locked up.

Store in a well-ventilated place. Keep container tightly closed. P403+P233

P403+P235 Store in a well-ventilated place. Keep cool.

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

regulations.

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



Health = 2Fire = 3Reactivity = 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.

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· Dangerous components:		
67-64-1	acetone	99.5462%
50-32-8	benzo[a]pyrene	0.0126%
53-70-3	dibenz[a,h]anthracene	0.0126%

4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- · After eye contact:

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

- · After swallowing: If symptoms persist consult doctor.
- · 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.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- Environmental precautions: 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 section 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

1 Totalive faction efficient for enemicals	
· PAC-1:	
67-64-1 acetone	200 ppm
78-59-1 3,5,5-trimethylcyclohex-2-enone	12 ppm
50-32-8 benzo[a]pyrene	0.6 mg/m ³
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		(Contd. of noce
53-70-3	dibenz[a,h]anthracene	(Contd. of page 0.093 mg/m ²
	benz[a]anthracene	0.6 mg/m ³
	hexachlorocyclopentadiene	0.03 ppm
	diethyl phthalate	15 mg/m ³
	dibutyl phthalate	15 mg/m ³
	phenanthrene	5.4 mg/m ³
85-68-7	 	15 mg/m ³
86-73-7	fluorene	6.6 mg/m ³
	pentachlorophenol	1 mg/m ³
	Di-(2-ethylhexyl) adipate	$\frac{3}{17 \text{ mg/m}^3}$
	di-(2-ethylhexyl) phthalate	10 mg/m ³
	hexachlorobenzene	0.006 mg/m^2
	anthracene	48 mg/m ³
	2,4-dinitrotoluene	0.6 mg/m^3
129-00-0		0.15 mg/m ³
	dimethyl phthalate	15 mg/m ³
	benzo[ghi]perylene	30 mg/m ³
	indeno[1,2,3-cd]pyrene	1.2 mg/m ³
	benz[e]acephenanthrylene	0.12 mg/m ³
	acenaphthylene	10 mg/m ³
	chrysene	0.6 mg/m ³
	2,6-dinitrotoluene	0.6 mg/m ³
· PAC-2:	1-7-	0.00 2.160 2.1
	acetone	3200* ppm
	3,5,5-trimethylcyclohex-2-enone	33 ppm
	benzo[a]pyrene	120 mg/m ³
	dibenz[a,h]anthracene	1 mg/m ³
	benz[a]anthracene	1.4 ppm
	hexachlorocyclopentadiene	0.55 ppm
	diethyl phthalate	31 ppm
	dibutyl phthalate	1,600 mg/m
85-01-8 85-68-7	phenanthrene	1.8 ppm
	fluorene	77 mg/m ³ 72 mg/m ³
	pentachlorophenol	15 mg/m ³
	Di-(2-ethylhexyl) adipate	300 mg/m3
	di-(2-ethylhexyl) phthalate	1,000 mg/m
	hexachlorobenzene	14 mg/m ³
	anthracene	530 mg/m ³
121-14-2	2,4-dinitrotoluene	8.8 mg/m3 1.7 ppm
129-00-0		



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131-11-3	dimethyl phthalate	(Contd. of page 4) 1,600 mg/m ³
	benzo[ghi]perylene	330 mg/m ³
	indeno[1,2,3-cd]pyrene	13 mg/m ³
	benz[e]acephenanthrylene	1.3 mg/m ³
	acenaphthylene	11.0 mg/m ³
218-01-9		12 mg/m ³
	2,6-dinitrotoluene	47 mg/m³
	2,0-dimirototuene	47 mg/m²
· PAC-3:		
67-64-1		5700* ppm
	3,5,5-trimethylcyclohex-2-enone	200 ppm
	benzo[a]pyrene	700 mg/m³
	dibenz[a,h]anthracene	2.9 mg/m ³
	benz[a]anthracene	8.5 ppm
	hexachlorocyclopentadiene	1 ppm
	diethyl phthalate	190 ppm
84-74-2	dibutyl phthalate	9300* mg/m³
85-01-8	phenanthrene	10 ppm
85-68-7	BBP	460 mg/m ³
86-73-7	fluorene	430 mg/m³
87-86-5	pentachlorophenol	150 mg/m ³
103-23-1	Di-(2-ethylhexyl) adipate	1800 mg/m3
117-81-7	di-(2-ethylhexyl) phthalate	6,100 mg/m ³
118-74-1	hexachlorobenzene	91 mg/m³
120-12-7	anthracene	3,200 mg/m ³
121-14-2	2,4-dinitrotoluene	53 mg/m3
129-00-0	pyrene	10 ppm
131-11-3	dimethyl phthalate	9300* mg/m ³
	benzo[ghi]perylene	2,000 mg/m³
	indeno[1,2,3-cd]pyrene	79 mg/m ³
205-99-2	benz[e]acephenanthrylene	7.9 mg/m ³
	acenaphthylene	660 mg/m³
218-01-9		69 mg/m ³
	2,6-dinitrotoluene	200 mg/m ³
	·	S

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.

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Protect against electrostatic charges.

Keep respiratory protective device available.

- · 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 section 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

67-64	67-64-1 acetone	
PEL	Long-term value: 2400 mg/m³, 1000 ppm	
REL	Long-term value: 590 mg/m³, 250 ppm	
TLV	Short-term value: 500 ppm Long-term value: 250 ppm A4, BEI	
50-32	50-32-8 benzo[a]pyrene	
PEL	Long-term value: 0.2 mg/m³ see Coal tar pitch volatiles	
REL	Long-term value: 0.1 mg/m³ Coal tar pitch volatile; Pocket Guide Apps. A+C	
TLV	L; BEIp, A2	

· Ingredients with biological limit values:

67-64-1 acetone

BEI 25 mg/L

Medium: urine Time: end of shift

Parameter: Acetone (nonspecific)

50-32-8 benzo[a]pyrene

BEI -

Medium: urine

Time: end of shift at end of workweek

Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)

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

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- · 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.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Breathing equipment:

When used as intended with Agilent instruments, the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not

Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device/equipment with appropriate organic or acid gas cartridge.

Protection of hands:

Although not recommended for constant contact with the chemicals or for clean-up, nitrile gloves 11-13 mil thickness are recommended for normal use. The breakthrough time is 1 hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15 mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.

· Material of gloves

For normal use: nitrile rubber, 11-13 mil thickness

For direct contact with the chemical: butyl rubber, 12-15 mil thickness

· Penetration time of glove material

For normal use: nitrile rubber: 1 hour

For direct contact with the chemical: butyl rubber: >4 hours

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Fluid Colorless Color: Characteristic · Odor: Not determined. · Odor threshold:

· Change in condition

· pH-value:

-94.7 °C (-138.5 °F) Melting point/Melting range:

55.8-56.6 °C (132.4-133.9 °F) **Boiling point/Boiling range:**

Not determined.

· Flash point: -17 °C (1.4 °F)

Highly flammable. · Flammability (solid, gaseous):

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Auto igniting:	465 °C (869 °F)
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Explosion limits:	
Lower:	2.6 Vol %
Upper:	13 Vol %
Vapor pressure at 20 °C (68 °F):	245.3 hPa (184 mm Hg)
Density at 20 °C (68 °F):	0.791 g/cm³ (6.6009 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water	er): Not determined.
Viscosity:	
Dynamic at 20 °C (68 °F):	32 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	99.6 %
VOC content:	0.05 %
	0.5 g/l / 0.00 lb/gal
Solids content:	0.3 %
Other information	No 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.

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11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC	· LD/LC50 values that are relevant for classification:	
67-64-1		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)

- · Primary irritant effect:
- on the skin: No irritant effect.
- · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

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

· Carcinogenic categories

•	ternational Agency for Research on Cancer) 3,5,5-trimethylcyclohex-2-enone	2B
	benzo[a]pyrene	1
	dibenz[a,h]anthracene	2A
	benz[a]anthracene	2B
	phenanthrene	3
85-68-7	BBP	3
	fluorene	3
	pentachlorophenol	1
	Di-(2-ethylhexyl) adipate	3
117-81-7	di-(2-ethylhexyl) phthalate	2B
118-74-1	hexachlorobenzene	2B
120-12-7	anthracene	2B
121-14-2	2,4-dinitrotoluene	2B
129-00-0	pyrene	3
191-24-2	benzo[ghi]perylene	3
193-39-5	indeno[1,2,3-cd]pyrene	2B
205-99-2	benz[e]acephenanthrylene	2B
207-08-9	benzo[k]fluoranthene	2B
218-01-9	chrysene	2B
606-20-2	2,6-dinitrotoluene	2B
NTP (Na	tional Toxicology Program)	<u>'</u>
50-32-8	benzo[a]pyrene	R
53-70-3	dibenz[a,h]anthracene	R
56-55-3	benz[a]anthracene	R
	phenanthrene	R
	fluorene	R
		(Contd. on page 1



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(Contd. of page 9) 87-86-5 pentachlorophenol R 117-81-7 di-(2-ethylhexyl) phthalate R 118-74-1 hexachlorobenzene R 120-12-7 anthracene R R 129-00-0 pyrene 193-39-5 indeno[1,2,3-cd]pyrene R 205-99-2 benz[e]acephenanthrylene R 207-08-9 benzo[k]fluoranthene R 218-01-9 chrysene R · OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed.

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 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

- · 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.

14 Transport information

- · Not Regulated, De minimis Quantities
- · UN-Number
- · **DOT, IMDG, IATA** UN1090

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· UN proper shipping name

· **DOT** Acetone solution

· IMDG ACETONE solution, MARINE POLLUTANT

· IATA ACETONE solution

· Transport hazard class(es)

 \cdot DOT



· Class 3 Flammable liquids

· Label 3

· IMDG





· Class 3 Flammable liquids

· Label

 \cdot IATA



· Class 3 Flammable liquids

·Label

Packing group
DOT, IMDG, IATA

• Environmental hazards: Product contains environmentally hazardous substances: 2-

chlorobiphenyl

· **Marine pollutant:** Symbol (fish and tree)

· Special precautions for user Warning: Flammable liquids

· Hazard identification number (Kemler code): 33

· EMS Number: F-E,S-D

· Stowage Category B

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

 \cdot DOT

• Quantity limitations On passenger aircraft/rail: 5 L

On cargo aircraft only: 60 L

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· IMDG
· Limited quantities (LQ) 1L
· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation": UN 1090 ACETONE SOLUTION, 3, II,

ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

Section 3	55 (extremely hazardous substances):	
	hexachlorocyclopentadiene	
129-00-0	pyrene	
Section 3	13 (Specific toxic chemical listings):	
50-32-8	benzo[a]pyrene	
53-70-3	dibenz[a,h]anthracene	
56-55-3	benz[a]anthracene	
77-47-4	hexachlorocyclopentadiene	
84-74-2	dibutyl phthalate	
85-01-8	phenanthrene	
	pentachlorophenol	
	di-(2-ethylhexyl) phthalate	
118-74-1	hexachlorobenzene	
120-12-7	anthracene	
	2,4-dinitrotoluene	
	dimethyl phthalate	
	benzo[ghi]perylene	
	indeno[1,2,3-cd]pyrene	
	benz[e]acephenanthrylene	
	benzo[k]fluoranthene	
218-01-9	·	
606-20-2	2,6-dinitrotoluene	
TSCA (T	oxic Substances Control Act):	
67-64-1		ACTIV
	3,5,5-trimethylcyclohex-2-enone	ACTIV
	benzo[a]pyrene	ACTIV
	dibenz[a,h]anthracene	ACTIV
	benz[a]anthracene	ACTIV
77-47-4	hexachlorocyclopentadiene	ACTIV

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84-66-2	diethyl phthalate	(Contd. of page ACTIV
	dibutyl phthalate	ACTIV
	phenanthrene	ACTIV
85-68-7		ACTIV
	fluorene	ACTIV
	pentachlorophenol	ACTIV
	Di-(2-ethylhexyl) adipate	ACTIV
	di-(2-ethylhexyl) phthalate	ACTIV
	hexachlorobenzene	ACTIV
	anthracene	ACTIV
	2,4-dinitrotoluene	ACTIV
129-00-0	I *	ACTIV
	dimethyl phthalate	ACTIV
	indeno[1,2,3-cd]pyrene	ACTIV
	acenaphthylene	ACTIV
	chrysene	ACTIV
	2,6-dinitrotoluene	ACTIV
	us Air Pollutants	12011
	3,5,5-trimethylcyclohex-2-enone	
	benzo[a]pyrene	
	dibenz[a,h]anthracene	
	benz[a]anthracene	
	hexachlorocyclopentadiene	
	dibutyl phthalate	
	phenanthrene	
	fluorene	
	pentachlorophenol	
	di-(2-ethylhexyl) phthalate	
	hexachlorobenzene	
120-12-7	anthracene	
	2,4-dinitrotoluene	
129-00-0		
	dimethyl phthalate	
	indeno[1,2,3-cd]pyrene	
	benz[e]acephenanthrylene	
	benzo[k]fluoranthene	
	chrysene	
· Propositi		
	ls known to cause cancer:	
	benzo[a]pyrene	



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	benz[a]anthracene
	pentachlorophenol
	di-(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
120-12-7	anthracene
121-14-2	2,4-dinitrotoluene
193-39-5	indeno[1,2,3-cd]pyrene
205-99-2	benz[e]acephenanthrylene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene
606-20-2	2,6-dinitrotoluene
·Chemica	ls known to cause reproductive toxicity for females:
84-74-2	libutyl phthalate
·Chemica	ls known to cause reproductive toxicity for males:
84-74-2	dibutyl phthalate
	di-(2-ethylhexyl) phthalate
121-14-2	2,4-dinitrotoluene
606-20-2	2,6-dinitrotoluene
·Chemica	ls known to cause developmental toxicity:
84-74-2	dibutyl phthalate
85-68-7	BBP
117-81-7	di-(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene

· Carcinogenic categories

· EPA (En	vironmental Protection Agency)	
67-64-1	acetone	I
78-59-1	3,5,5-trimethylcyclohex-2-enone	С
50-32-8	benzo[a]pyrene	СаН
53-70-3	dibenz[a,h]anthracene	B2
56-55-3	benz[a]anthracene	B2
77-47-4	hexachlorocyclopentadiene	E, NL
84-66-2	diethyl phthalate	D
84-74-2	dibutyl phthalate	D
85-01-8	phenanthrene	D
85-68-7	BBP	С
86-73-7	fluorene	D
87-86-5	pentachlorophenol	L
103-23-1	Di-(2-ethylhexyl) adipate	С
117-81-7	di-(2-ethylhexyl) phthalate	B2
118-74-1	hexachlorobenzene	B2
120-12-7	anthracene	D
		(Contd. on page



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120 00 0	(Contd. of page 14
129-00-0 pyrene	D
131-11-3 dimethyl phthalate	D
191-24-2 benzo[ghi]perylene	D
193-39-5 indeno[1,2,3-cd]pyrene	B2
205-99-2 benz[e]acephenanthrylene	B2
207-08-9 benzo[k]fluoranthene	B2
208-96-8 acenaphthylene	D
218-01-9 chrysene	B2
· TLV (Threshold Limit Value)	
67-64-1 acetone	A4
78-59-1 3,5,5-trimethylcyclohex-2-enone	A3
50-32-8 benzo[a]pyrene	A2
56-55-3 benz[a]anthracene	A2
77-47-4 hexachlorocyclopentadiene	A4
84-66-2 diethyl phthalate	A4
87-86-5 pentachlorophenol	A3
117-81-7 di-(2-ethylhexyl) phthalate	A3
118-74-1 hexachlorobenzene	A3
205-99-2 benz[e]acephenanthrylene	A2
218-01-9 chrysene	A3
NIOSH-Ca (National Institute for Occupational	Safety and Health)
50-32-8 benzo[a]pyrene	
117-81-7 di-(2-ethylhexyl) phthalate	
218-01-9 chrysene	

- · National regulations:
- · Additional classification according to Decree on Hazardous Materials:

Carcinogenic hazardous material group III (dangerous).

· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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

16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

- · Department issuing SDS: Document Control / Regulatory
- · Contact: pdl-acg-regulatory-cq@agilent.com
- · Date of preparation / last revision 08/23/2024 / 6
- · Abbreviations and acronyms:

ADR: Accord relatif au 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 Transportation IATA: International Air Transport Association

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EINECS: 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: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit

Flammable Liquids 2: Flammable liquids – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Carcinogenicity 1B: Carcinogenicity - Category 1B

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Category 3

* Data compared to the previous version altered.

HS