Safety Data Sheet
acc. to OSHA HCS

Revision date: 01/08/2025

*
1 Identification

· **Product identifier**

· **Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)**

· **Part no. :** SLM-300-1

· **Restrictions**
After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/ product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/ product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export.

· **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

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2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS08 Health hazard

Germ Cell Mutagenicity 1B	H340 May cause genetic defects.
Carcinogenicity 1A	H350 May cause cancer.
Toxic to Reproduction 1B	H360 May damage fertility or the unborn child.
Specific Target Organ Toxicity - Repeated Exposure 2	H373 May cause damage to organs through prolonged or repeated exposure.

GHS07

Skin Irritation 2	H315 Causes skin irritation.
Eye Irritation 2A	H319 Causes serious eye irritation.
Sensitization - Skin 1	H317 May cause an allergic skin reaction.

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 1)

Specific Target Organ Toxicity - Single Exposure 3 H335 May cause respiratory irritation.

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

GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
dichloromethane
benzo[a]pyrene
BBP
dibenz[a,h]anthracene
anthracene
· **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H340 May cause genetic defects.
H350 May cause cancer.
H360 May damage fertility or the unborn child.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
· **Precautionary statements**

P260	Do not breathe vapours.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P363	Wash contaminated clothing before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P302+P352	If on skin: Wash with plenty of 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.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 2)

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

Health = 2
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = *2
Fire = 0
Reactivity = 0

· **Other hazards**
· **Results of PBT and vPvB assessment**

· **PBT:**	
50-32-8	benzo[a]pyrene
56-55-3	benz[a]anthracene
120-12-7	anthracene
129-00-0	pyrene
206-44-0	fluoranthene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene

· **vPvB:**	
50-32-8	benzo[a]pyrene
56-55-3	benz[a]anthracene
85-01-8	phenanthrene
129-00-0	pyrene
206-44-0	fluoranthene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene

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3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**		
75-09-2	dichloromethane	95.9284%
50-32-8	benzo[a]pyrene	0.1508%
53-70-3	dibenz[a,h]anthracene	0.1508%
56-55-3	benz[a]anthracene	0.1508%
57-97-6	7,12-dimethylbenz[a]anthracene	0.1508%
84-74-2	dibutyl phthalate	0.1508%
85-01-8	phenanthrene	0.1508%
85-68-7	BBP	0.1508%

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 3)

91-20-3	naphthalene	0.1508%
91-22-5	quinoline	0.1508%
106-46-7	1,4-dichlorobenzene	0.1508%
110-86-1	pyridine	0.1508%
117-81-7	di-(2-ethylhexyl) phthalate	0.1508%
117-84-0	dioctyl phthalate	0.1508%
120-12-7	anthracene	0.1508%
129-00-0	pyrene	0.1508%
205-99-2	benz[e]acephenanthrylene	0.1508%
206-44-0	fluoranthene	0.1508%
207-08-9	benzo[k]fluoranthene	0.1508%
218-01-9	chrysene	0.1508%
226-36-8	Dibenz(a,h)acridine	0.1508%

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4 First-aid measures

· **Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **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.

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5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
· **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
· **Advice for firefighters**
· **Protective equipment:** Mouth respiratory protective device.

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6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Mount respiratory protective device.
· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 4)

· **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**

· **PAC-1:**		
75-09-2	dichloromethane	200 ppm
50-32-8	benzo[a]pyrene	0.6 mg/m³
53-70-3	dibenz[a,h]anthracene	0.093 mg/m³
56-55-3	benz[a]anthracene	0.6 mg/m³
84-66-2	diethyl phthalate	15 mg/m³
84-74-2	dibutyl phthalate	15 mg/m³
85-01-8	phenanthrene	5.4 mg/m³
85-68-7	BBP	15 mg/m³
90-12-0	1-methylnaphthalene	20 mg/m³
91-20-3	naphthalene	15 ppm
91-22-5	quinoline	0.003 ppm
95-13-6	1H-Indene	15 ppm
95-50-1	1,2-dichlorobenzene	50 ppm
106-46-7	1,4-dichlorobenzene	30 ppm
110-86-1	pyridine	3 ppm
117-81-7	di-(2-ethylhexyl) phthalate	10 mg/m³
117-84-0	dioctyl phthalate	41 mg/m³
120-12-7	anthracene	48 mg/m³
129-00-0	pyrene	0.15 mg/m³
131-11-3	dimethyl phthalate	15 mg/m³
205-99-2	benz[e]acephenanthrylene	0.12 mg/m³
206-44-0	fluoranthene	8.2 mg/m³
218-01-9	chrysene	0.6 mg/m³
541-73-1	1,3-dichlorobenzene	6 ppm

· **PAC-2:**		
75-09-2	dichloromethane	560 ppm
50-32-8	benzo[a]pyrene	120 mg/m³
53-70-3	dibenz[a,h]anthracene	1 mg/m³
56-55-3	benz[a]anthracene	1.4 ppm
84-66-2	diethyl phthalate	31 ppm
84-74-2	dibutyl phthalate	1,600 mg/m³
85-01-8	phenanthrene	1.8 ppm
85-68-7	BBP	77 mg/m³

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 5)

90-12-0	1-methylnaphthalene	61 mg/m³
91-20-3	naphthalene	83 ppm
91-22-5	quinoline	2.9 ppm
95-13-6	1H-Indene	22 ppm
95-50-1	1,2-dichlorobenzene	170 ppm
106-46-7	1,4-dichlorobenzene	170 ppm
110-86-1	pyridine	19 ppm
117-81-7	di-(2-ethylhexyl) phthalate	1,000 mg/m³
117-84-0	dioctyl phthalate	450 mg/m³
120-12-7	anthracene	530 mg/m³
129-00-0	pyrene	1.7 ppm
131-11-3	dimethyl phthalate	1,600 mg/m³
205-99-2	benz[e]acephenanthrylene	1.3 mg/m³
206-44-0	fluoranthene	8.0 ppm
218-01-9	chrysene	12 mg/m³
541-73-1	1,3-dichlorobenzene	66 ppm

· **PAC-3:**

75-09-2	dichloromethane	6,900 ppm
50-32-8	benzo[a]pyrene	700 mg/m³
53-70-3	dibenz[a,h]anthracene	2.9 mg/m³
56-55-3	benz[a]anthracene	8.5 ppm
84-66-2	diethyl phthalate	190 ppm
84-74-2	dibutyl phthalate	9300* mg/m³
85-01-8	phenanthrene	10 ppm
85-68-7	BBP	460 mg/m³
90-12-0	1-methylnaphthalene	360 mg/m³
91-20-3	naphthalene	500 ppm
91-22-5	quinoline	17 ppm
95-13-6	1H-Indene	130 ppm
95-50-1	1,2-dichlorobenzene	1,000 ppm
106-46-7	1,4-dichlorobenzene	1,000 ppm
110-86-1	pyridine	3600* ppm
117-81-7	di-(2-ethylhexyl) phthalate	6,100 mg/m³
117-84-0	dioctyl phthalate	11000* mg/m³
120-12-7	anthracene	3,200 mg/m³
129-00-0	pyrene	10 ppm
131-11-3	dimethyl phthalate	9300* mg/m³
205-99-2	benz[e]acephenanthrylene	7.9 mg/m³
206-44-0	fluoranthene	48 ppm
218-01-9	chrysene	69 mg/m³

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 6)

541-73-1	1,3-dichlorobenzene	400 ppm

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 respiratory protective device available.

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

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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 other constituents have no known exposure limits.

75-09-2 dichloromethane	
PEL	Short-term value: 125 ppm Long-term value: 25 ppm see 29 CFR 1910.1052
REL	See Pocket Guide App. A
TLV	Long-term value: 50 ppm BEI, A3
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
56-55-3 benz[a]anthracene	
TLV	L; BEI-P, A2
84-74-2 dibutyl phthalate	
PEL	Long-term value: 5 mg/m³
REL	Long-term value: 5 mg/m³
TLV	Long-term value: 5 mg/m³

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 7)

91-20-3 naphthalene	
PEL	Long-term value: 50 mg/m³, 10 ppm
REL	Short-term value: 75 mg/m³, 15 ppm Long-term value: 50 mg/m³, 10 ppm
TLV	Long-term value: 10 ppm Skin; BEI, A3
91-22-5 quinoline	
WEEL	Long-term value: 0.001 ppm Skin
106-46-7 1,4-dichlorobenzene	
PEL	Long-term value: 450 mg/m³, 75 ppm
REL	See Pocket Guide App. A
TLV	Long-term value: 10 ppm A3
110-86-1 pyridine	
PEL	Long-term value: 15 mg/m³, 5 ppm
REL	Long-term value: 15 mg/m³, 5 ppm
TLV	Long-term value: 1 ppm A3
117-81-7 di-(2-ethylhexyl) phthalate	
PEL	Long-term value: 5 mg/m³
REL	Short-term value: 10 mg/m³ Long-term value: 5 mg/m³ See Pocket Guide App. A
TLV	Long-term value: 0.1 mg/m³ Skin, A3
205-99-2 benz[e]acephenanthrylene	
TLV	L; BEIp, A2
218-01-9 chrysene	
PEL	Long-term value: 0.2 mg/m³ see Coal Tar Pitch Volatiles
REL	Long-term value: 0.1* mg/m³ *Cyclohexane-extrble.fraction;PocketGuide Apps.A+C
TLV	L, BEIp, A3

· **Ingredients with biological limit values:**	
75-09-2 dichloromethane	
BEI	0.3 mg/L Medium: urine Time: end of shift Parameter: Dichloromethane (semi-quantitative)
50-32-8 benzo[a]pyrene	
BEI	- Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 8)

56-55-3 benz[a]anthracene	
BEI	- Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)
91-20-3 naphthalene	
BEI	- Medium: - Time: end of shift Parameter: 1-Naphthol with hydrolysis + 2-Naphthol with hydrolysis (Nq,Ns)
205-99-2 benz[e]acephenanthrylene	
BEI	- Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)
218-01-9 chrysene	
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.

· **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.
Do not inhale gases / fumes / aerosols.
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 needed.
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

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 9)

· **Eye protection:**
Safety glasses

Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Fluid
Color:	Colorless
· **Odor:**	Like chlorine
· **Odor threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	-95.1 °C (-139.2 °F)
Boiling point/Boiling range:	40 °C (104 °F)
· **Flash point:**	Not applicable.
· **Flammability (solid, gaseous):**	Not applicable.
· **Auto igniting:**	605 °C (1,121 °F)
· **Decomposition temperature:**	Not determined.
· **Ignition temperature:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	13 Vol %
Upper:	22 Vol %
· **Vapor pressure at 20 °C (68 °F):**	360 hPa (270 mm Hg)
· **Density at 20 °C (68 °F):**	1.3 g/cm³ (10.8485 lbs/gal)
· **Relative density**	Not determined.
· **Vapor density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with**	
Water at 20 °C (68 °F):	20 g/l
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 10)

· **Solvent content:**	
Organic solvents:	96.2 %
VOC content:	0.30 % 3.0 g/l / 0.03 lb/gal
Solids content:	2.4 %
· **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/LC50 values that are relevant for classification:**		
ATE (Acute Toxicity Estimate)		
Inhalative	LC50/4 h	>4,443 mg/L (rat)

75-09-2 dichloromethane		
Oral	LD50	1,600 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/L (rat)
57-97-6 7,12-dimethylbenz[a]anthracene		
Oral	LD50	327 mg/kg (rat)
84-74-2 dibutyl phthalate		
Oral	LD50	6,300 mg/kg (rat)
Dermal	LD50	>4,000 mg/kg (rabbit)
Inhalative	LC50/4 h	15.68 mg/L (rat)
85-01-8 phenanthrene		
Oral	LD50	700 mg/kg (mouse)
85-68-7 BBP		
Oral	LD50	2,330 mg/kg (rat)
Dermal	LD50	6,700 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.7 mg/L (rat)

(Contd. on page 12)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 11)

91-20-3 naphthalene		
Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rat)
		20,000 mg/kg (rabbit)
91-22-5 quinoline		
Oral	LD50	331 mg/kg (rat)
Dermal	LD50	540 mg/kg (rabbit)
106-46-7 1,4-dichlorobenzene		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>5.07 mg/L (rat)
110-86-1 pyridine		
Oral	LD50	891 mg/kg (rat)
Dermal	LD50	1,121 mg/kg (rabbit)
117-81-7 di-(2-ethylhexyl) phthalate		
Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	4,000 mg/kg (rat)
		25,000 mg/kg (rabbit)
117-84-0 dioctyl phthalate		
Oral	LD50	47,000 mg/kg (rat)
129-00-0 pyrene		
Oral	LD50	2,700 mg/kg (rat)
Inhalative	LC50/4 h	170 mg/L (rat)
206-44-0 fluoranthene		
Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	3,180 mg/kg (rabbit)

· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Irritating effect.
· **Sensitization:** Sensitization possible through skin contact.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
The product can cause inheritable damage.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
75-09-2	dichloromethane	2A
50-32-8	benzo[a]pyrene	1
53-70-3	dibenz[a,h]anthracene	2A
56-55-3	benz[a]anthracene	2B
85-01-8	phenanthrene	3
85-68-7	BBP	3

(Contd. on page 13)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 12)

91-20-3	naphthalene	2B
91-22-5	quinoline	2B
95-50-1	1,2-dichlorobenzene	3
106-46-7	1,4-dichlorobenzene	2B
110-86-1	pyridine	2B
117-81-7	di-(2-ethylhexyl) phthalate	2B
120-12-7	anthracene	2B
129-00-0	pyrene	3
205-99-2	benz[e]acephenanthrylene	2B
206-44-0	fluoranthene	3
207-08-9	benzo[k]fluoranthene	2B
218-01-9	chrysene	2B
226-36-8	Dibenz(a,h)acridine	2B
541-73-1	1,3-dichlorobenzene	3
1705-85-7	6-methylchrysene	3

· **NTP (National Toxicology Program)**

75-09-2	dichloromethane	R
50-32-8	benzo[a]pyrene	R
53-70-3	dibenz[a,h]anthracene	R
56-55-3	benz[a]anthracene	R
57-97-6	7,12-dimethylbenz[a]anthracene	R
85-01-8	phenanthrene	R
91-20-3	naphthalene	R
106-46-7	1,4-dichlorobenzene	R
117-81-7	di-(2-ethylhexyl) phthalate	R
120-12-7	anthracene	R
129-00-0	pyrene	R
205-99-2	benz[e]acephenanthrylene	R
206-44-0	fluoranthene	R
207-08-9	benzo[k]fluoranthene	R
218-01-9	chrysene	R
226-36-8	Dibenz(a,h)acridine	R

· **OSHA-Ca (Occupational Safety & Health Administration)**

75-09-2	dichloromethane

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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.

(Contd. on page 14)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 13)

· **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:**	
50-32-8	benzo[a]pyrene
56-55-3	benz[a]anthracene
120-12-7	anthracene
129-00-0	pyrene
206-44-0	fluoranthene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene

· **vPvB:**	
50-32-8	benzo[a]pyrene
56-55-3	benz[a]anthracene
85-01-8	phenanthrene
129-00-0	pyrene
206-44-0	fluoranthene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene

· **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.

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14 Transport information

· **Not Regulated, De minimis Quantities**	-
· **UN-Number**	
· **DOT, IMDG, IATA**	UN1593
· **UN proper shipping name**	
· **DOT**	Dichloromethane
· **IMDG**	DICHLOROMETHANE, MARINE POLLUTANT
· **IATA**	DICHLOROMETHANE

(Contd. on page 15)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 14)

· **Transport hazard class(es)**

· **DOT**

· **Class**	6.1 Toxic substances
· **Label**	6.1

· **IMDG**

· **Class**	6.1 Toxic substances
· **Label**	6.1

· **IATA**

· **Class**	6.1 Toxic substances
· **Label**	6.1

· **Packing group**	
· **DOT, IMDG, IATA**	III

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

· **Special precautions for user**	Warning: Toxic substances
· **Hazard identification number (Kemler code):**	60
· **EMS Number:**	F-A,S-A
· **Segregation groups**	(SGG10) Liquid halogenated hydrocarbons
· **Stowage Category**	A

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Quantity limitations**	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· **Hazardous substance:**	1000 lbs, 454 kg

· **IMDG**

· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

(Contd. on page 16)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 15)

· **UN "Model Regulation":**	UN 1593 DICHLOROMETHANE, 6.1, III, ENVIRONMENTALLY HAZARDOUS

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15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**	
129-00-0	pyrene

· **Section 313 (Specific toxic chemical listings):**	
75-09-2	dichloromethane
50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
56-55-3	benz[a]anthracene
57-97-6	7,12-dimethylbenz[a]anthracene
84-74-2	dibutyl phthalate
85-01-8	phenanthrene
91-20-3	naphthalene
91-22-5	quinoline
95-50-1	1,2-dichlorobenzene
106-46-7	1,4-dichlorobenzene
110-86-1	pyridine
117-81-7	di-(2-ethylhexyl) phthalate
120-12-7	anthracene
131-11-3	dimethyl phthalate
205-99-2	benz[e]acephenanthrylene
206-44-0	fluoranthene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene
226-36-8	Dibenz(a,h)acridine
541-73-1	1,3-dichlorobenzene

· **TSCA (Toxic Substances Control Act):**
After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/ product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/ product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic,

(Contd. on page 17)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 16)

cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export.

75-09-2	dichloromethane	ACTIVE
50-32-8	benzo[a]pyrene	ACTIVE
53-70-3	dibenz[a,h]anthracene	ACTIVE
56-55-3	benz[a]anthracene	ACTIVE
57-97-6	7,12-dimethylbenz[a]anthracene	ACTIVE
84-66-2	diethyl phthalate	ACTIVE
84-74-2	dibutyl phthalate	ACTIVE
85-01-8	phenanthrene	ACTIVE
85-68-7	BBP	ACTIVE
90-12-0	1-methylnaphthalene	ACTIVE
91-20-3	naphthalene	ACTIVE
91-22-5	quinoline	ACTIVE
95-13-6	1H-Indene	ACTIVE
95-50-1	1,2-dichlorobenzene	ACTIVE
106-46-7	1,4-dichlorobenzene	ACTIVE
110-86-1	pyridine	ACTIVE
117-81-7	di-(2-ethylhexyl) phthalate	ACTIVE
117-84-0	dioctyl phthalate	ACTIVE
120-12-7	anthracene	ACTIVE
129-00-0	pyrene	ACTIVE
131-11-3	dimethyl phthalate	ACTIVE
206-44-0	fluoranthene	ACTIVE
218-01-9	chrysene	ACTIVE
541-73-1	1,3-dichlorobenzene	ACTIVE

· **Hazardous Air Pollutants**	
75-09-2	dichloromethane
50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
56-55-3	benz[a]anthracene
57-97-6	7,12-dimethylbenz[a]anthracene
84-74-2	dibutyl phthalate
85-01-8	phenanthrene
91-20-3	naphthalene
91-22-5	quinoline
106-46-7	1,4-dichlorobenzene
117-81-7	di-(2-ethylhexyl) phthalate
120-12-7	anthracene
129-00-0	pyrene
131-11-3	dimethyl phthalate

(Contd. on page 18)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 17)

205-99-2	benz[e]acephenanthrylene
206-44-0	fluoranthene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene

· **Proposition 65**

· **Chemicals known to cause cancer:**	
75-09-2	dichloromethane
50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
56-55-3	benz[a]anthracene
57-97-6	7,12-dimethylbenz[a]anthracene
91-20-3	naphthalene
91-22-5	quinoline
106-46-7	1,4-dichlorobenzene
110-86-1	pyridine
117-81-7	di-(2-ethylhexyl) phthalate
120-12-7	anthracene
205-99-2	benz[e]acephenanthrylene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene
226-36-8	Dibenz(a,h)acridine

· **Chemicals known to cause reproductive toxicity for females:**	
84-74-2	dibutyl phthalate

· **Chemicals known to cause reproductive toxicity for males:**	
84-74-2	dibutyl phthalate
117-81-7	di-(2-ethylhexyl) phthalate

· **Chemicals known to cause developmental toxicity:**	
84-74-2	dibutyl phthalate
85-68-7	BBP
117-81-7	di-(2-ethylhexyl) phthalate

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**		
75-09-2	dichloromethane	L
50-32-8	benzo[a]pyrene	CaH
53-70-3	dibenz[a,h]anthracene	B2
56-55-3	benz[a]anthracene	B2
84-66-2	diethyl phthalate	D
84-74-2	dibutyl phthalate	D
85-01-8	phenanthrene	D
85-68-7	BBP	C
91-20-3	naphthalene	C, CBD

(Contd. on page 19)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 18)

91-22-5	quinoline	B2, K/L
95-50-1	1,2-dichlorobenzene	D
117-81-7	di-(2-ethylhexyl) phthalate	B2
120-12-7	anthracene	D
129-00-0	pyrene	D
131-11-3	dimethyl phthalate	D
205-99-2	benz[e]acephenanthrylene	B2
206-44-0	fluoranthene	D
207-08-9	benzo[k]fluoranthene	B2
218-01-9	chrysene	B2
541-73-1	1,3-dichlorobenzene	D

· **TLV (Threshold Limit Value)**

75-09-2	dichloromethane	A3
50-32-8	benzo[a]pyrene	A2
56-55-3	benz[a]anthracene	A2
84-66-2	diethyl phthalate	A4
90-12-0	1-methylnaphthalene	A4
91-20-3	naphthalene	A4
95-50-1	1,2-dichlorobenzene	A4
106-46-7	1,4-dichlorobenzene	A3
110-86-1	pyridine	A3
117-81-7	di-(2-ethylhexyl) phthalate	A3
205-99-2	benz[e]acephenanthrylene	A2
218-01-9	chrysene	A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

75-09-2	dichloromethane
50-32-8	benzo[a]pyrene
106-46-7	1,4-dichlorobenzene
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.

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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.

(Contd. on page 20)

Safety Data Sheet
acc. to OSHA HCS

Printing date: 01/08/2025 Revision date: 01/08/2025

Product Name: Skinner List Semi-Volatiles Standard (1X1 mL)

(Contd. of page 19)

· **Department issuing SDS:** Document Control / Regulatory
· **Contact:** pdl-acg-regulatory-cq@agilent.com
· **Date of preparation / last revision** 01/08/2025 / 3
· **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
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
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Skin 1: Skin sensitisation – Category 1
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1A: Carcinogenicity – Category 1A
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2
· *** Data compared to the previous version altered.**