

Safety Data Sheet

acc. to OSHA HCS

Revision date: 11/12/2025

1 Identification

- **Product identifier**
- **Product Name:** QualityCheck Base/Neutrals Sample (1X2 mL)
- **Other means of identification**
- **Part no. :** QCM-300
- **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

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· Hazard statements

- H225 Highly flammable liquid and vapor.
- H319 Causes serious eye irritation.
- H350 May cause cancer.
- H336 May cause drowsiness or dizziness.

· Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
- P261 Avoid breathing vapors.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P240 Ground / bond container and receiving equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharge.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- 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.
- P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a poison center/doctor if you feel unwell.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- 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.

· Information pertaining to particular dangers for man and environment:
· Classification system:
· NFPA ratings (scale 0 - 4)

· HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = *2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

· Other hazards
· Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

· Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

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- **Hazards not otherwise classified**
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

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

- **Dangerous components:**

67-64-1	acetone	80-100%
50-32-8	benzo[a]pyrene	≤0.1%
53-70-3	dibenz[a,h]anthracene	≤0.1%

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.
- **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.

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· Protective Action Criteria for Chemicals

· PAC-1:		
67-64-1	acetone	200 ppm
50-32-8	benzo[a]pyrene	0.0056 mg/m ³
53-70-3	dibenz[a,h]anthracene	0.012 mg/m ³
56-55-3	benz[a]anthracene	0.6 mg/m ³
78-59-1	3,5,5-trimethylcyclohex-2-enone	12 ppm
83-32-9	acenaphthene	3.6 mg/m ³
84-66-2	diethyl phthalate	15 mg/m ³
85-01-8	phenanthrene	5.4 mg/m ³
85-68-7	BBP	15 mg/m ³
91-20-3	naphthalene	15 ppm
95-50-1	1,2-dichlorobenzene	50 ppm
98-95-3	nitrobenzene	3 ppm
101-55-3	4-bromophenyl phenyl ether	0.41 mg/m ³
106-46-7	1,4-dichlorobenzene	30 ppm
117-81-7	di-(2-ethylhexyl) phthalate	10 mg/m ³
117-84-0	dioctyl phthalate	41 mg/m ³
118-74-1	hexachlorobenzene	0.006 mg/m ³
120-12-7	anthracene	48 mg/m ³
120-82-1	1,2,4-trichlorobenzene	3.4 mg/m ³
121-14-2	2,4-dinitrotoluene	0.6 mg/m ³
129-00-0	pyrene	0.15 mg/m ³
131-11-3	dimethyl phthalate	15 mg/m ³
132-64-9	dibenzofuran	30 mg/m ³
191-24-2	benzo[ghi]perylene	30 mg/m ³
205-99-2	benz[e]acephenanthrylene	0.60 mg/m ³
206-44-0	fluoranthene	8.2 mg/m ³
218-01-9	chrysene	0.6 mg/m ³

· PAC-2:		
67-64-1	acetone	3200* ppm
50-32-8	benzo[a]pyrene	120 mg/m ³
53-70-3	dibenz[a,h]anthracene	0.48 mg/m ³
56-55-3	benz[a]anthracene	1.4 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	33 ppm
83-32-9	acenaphthene	40 mg/m ³
84-66-2	diethyl phthalate	31 ppm
85-01-8	phenanthrene	1.8 ppm
85-68-7	BBP	77 mg/m ³
91-20-3	naphthalene	83 ppm
95-50-1	1,2-dichlorobenzene	170 ppm

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		(Contd. of page 4)
98-95-3	nitrobenzene	20 ppm
101-55-3	4-bromophenyl phenyl ether	4.5 mg/m ³
106-46-7	1,4-dichlorobenzene	170 ppm
117-81-7	di-(2-ethylhexyl) phthalate	830 mg/m ³
117-84-0	dioctyl phthalate	450 mg/m ³
118-74-1	hexachlorobenzene	120 mg/m ³
120-12-7	anthracene	530 mg/m ³
120-82-1	1,2,4-trichlorobenzene	37 mg/m ³
121-14-2	2,4-dinitrotoluene	8.8 mg/m ³
129-00-0	pyrene	1.7 ppm
131-11-3	dimethyl phthalate	1,600 mg/m ³
132-64-9	dibenzofuran	330 mg/m ³
191-24-2	benzo[ghi]perylene	330 mg/m ³
205-99-2	benz[e]acephenanthrylene	6.6 mg/m ³
206-44-0	fluoranthene	8.0 ppm
218-01-9	chrysene	12 mg/m ³

· PAC-3:

67-64-1	acetone	5700* ppm
50-32-8	benzo[a]pyrene	700 mg/m ³
53-70-3	dibenz[a,h]anthracene	2.9 mg/m ³
56-55-3	benz[a]anthracene	8.5 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	200 ppm
83-32-9	acenaphthene	240 mg/m ³
84-66-2	diethyl phthalate	190 ppm
85-01-8	phenanthrene	10 ppm
85-68-7	BBP	460 mg/m ³
91-20-3	naphthalene	500 ppm
95-50-1	1,2-dichlorobenzene	1,000 ppm
98-95-3	nitrobenzene	200 ppm
101-55-3	4-bromophenyl phenyl ether	27 mg/m ³
106-46-7	1,4-dichlorobenzene	1,000 ppm
117-81-7	di-(2-ethylhexyl) phthalate	5000 mg/m ³
117-84-0	dioctyl phthalate	11000* mg/m ³
118-74-1	hexachlorobenzene	690 mg/m ³
120-12-7	anthracene	3,200 mg/m ³
120-82-1	1,2,4-trichlorobenzene	150 mg/m ³
121-14-2	2,4-dinitrotoluene	53 mg/m ³
129-00-0	pyrene	10 ppm
131-11-3	dimethyl phthalate	9300* mg/m ³
132-64-9	dibenzofuran	2,000 mg/m ³
191-24-2	benzo[ghi]perylene	2,000 mg/m ³

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205-99-2	benz[e]acephenanthrylene	40 mg/m ³
206-44-0	fluoranthene	48 ppm
218-01-9	chrysene	69 mg/m ³

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

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.

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

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.

67-64-1 acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm A4, BEI

50-32-8 benzo[a]pyrene

PEL	Long-term value: 0.2 mg/m ³ see Coal tar pitch volatiles
REL	Long-term value: 0.1 mg/m ³ Coal tar pitch volatile; Pocket Guide Apps. A+C
TLV	L; BEIp, A2

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· 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	2.5 µg/L Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene (background)
	2.5 µg/L Medium: urine Time: end of shift at end of workweek Parameter: Hydroxybenzo (a)pyrene (non-quantitative, with hydrolysis)

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

· **Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **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.
- 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

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· Eye protection:


Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties
· General Information

· Physical state	Liquid
· Color:	Colorless
· Odor:	Characteristic
· Odor threshold:	Not determined.
· Melting point/Melting range:	-94.7 °C (-138.5 °F)
· Boiling point/Boiling range:	55.8-56.6 °C (132.4-133.9 °F)
· Flammability:	Highly flammable.
· Explosion limits:	
· Lower:	2.6 Vol %
· Upper:	13 Vol %
· Flash point:	-17 °C (1.4 °F)
· Auto igniting:	465 °C (869 °F)
· Decomposition temperature:	Not determined.
· pH-value:	Not determined.
· Viscosity:	
· Kinematic:	Not determined.
· Dynamic at 20 °C (68 °F):	32 mPas
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure at 20 °C (68 °F):	245.3 hPa (184 mm Hg)
· Vapor pressure:	
· Density at 20 °C (68 °F):	0.791 g/cm ³ (6.6009 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Particle characteristics	Not applicable.

· Other information
· Appearance:
· Form: Fluid

· Important information on protection of health and environment, and on safety.
· Ignition temperature:

Product is not selfigniting.

· Danger of explosion:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Solvent content:
· Organic solvents:

99.4 %

· VOC content:

0.05 %

0.5 g/l / 0.00 lb/gal

· Solids content:

0.4 %

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- **Change in condition**
- **Evaporation rate** Not determined.

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:**

67-64-1 acetone

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
- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

50-32-8	benzo[a]pyrene	1
53-70-3	dibenz[a,h]anthracene	2A
56-55-3	benz[a]anthracene	2B
78-59-1	3,5,5-trimethylcyclohex-2-enone	2B
83-32-9	acenaphthene	3
85-01-8	phenanthrene	3
85-68-7	BBP	3
91-20-3	naphthalene	2B
95-50-1	1,2-dichlorobenzene	3
98-95-3	nitrobenzene	2B
106-46-7	1,4-dichlorobenzene	2B
117-81-7	di-(2-ethylhexyl) phthalate	2B

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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
205-99-2	benz[e]acephenanthrylene	2B
206-44-0	fluoranthene	3
218-01-9	chrysene	2B

· NTP (National Toxicology Program)

50-32-8	benzo[a]pyrene	R
53-70-3	dibenz[a,h]anthracene	R
56-55-3	benz[a]anthracene	R
85-01-8	phenanthrene	R
91-20-3	naphthalene	R
98-95-3	nitrobenzene	R
106-46-7	1,4-dichlorobenzene	R
117-81-7	di-(2-ethylhexyl) phthalate	R
118-74-1	hexachlorobenzene	R
120-12-7	anthracene	R
129-00-0	pyrene	R
205-99-2	benz[e]acephenanthrylene	R
206-44-0	fluoranthene	R
218-01-9	chrysene	R

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Alternative sources for toxicological information

No non-standard sources for toxicological information where used.

12 Ecological information

· Toxicity

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

· Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

· Other adverse effects
· 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.

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

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

· UN-Number · DOT, IMDG, IATA	UN1090
· UN proper shipping name · DOT · IMDG · IATA	Acetone solution ACETONE solution, MARINE POLLUTANT ACETONE solution
· Transport hazard class(es) · DOT	
· Class · Label	3 Flammable liquids 3
· IMDG	 
· Class · Label	3 Flammable liquids 3
· IATA	
· Class · Label	3 Flammable liquids 3
· Packing group · DOT, IMDG, IATA	II
· Environmental hazards:	Product contains environmentally hazardous substances: 1,2-dichlorobenzene, dibenz[a,h]anthracene

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· Marine pollutant:	Symbol (fish and tree)
· 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: 5 L On cargo aircraft only: 60 L
· 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
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	33
· EMS Number:	F-E,S-D
· Stowage Category	B
· 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
- Sara

· Section 355 (extremely hazardous substances):	
98-95-3	nitrobenzene
129-00-0	pyrene
· Section 313 (Specific toxic chemical listings):	
50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
56-55-3	benz[a]anthracene
85-01-8	phenanthrene
91-20-3	naphthalene
95-50-1	1,2-dichlorobenzene
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene
117-81-7	di-(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
120-12-7	anthracene
120-82-1	1,2,4-trichlorobenzene
121-14-2	2,4-dinitrotoluene
131-11-3	dimethyl phthalate
132-64-9	dibenzofuran

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191-24-2	benzo[ghi]perylene
205-99-2	benz[e]acephenanthrylene
206-44-0	fluoranthene
218-01-9	chrysene

· TSCA (Toxic Substances Control Act):

67-64-1	acetone	ACTIVE
50-32-8	benzo[a]pyrene	ACTIVE
53-70-3	dibenz[a,h]anthracene	ACTIVE
56-55-3	benz[a]anthracene	ACTIVE
78-59-1	3,5,5-trimethylcyclohex-2-enone	ACTIVE
83-32-9	acenaphthene	ACTIVE
84-66-2	diethyl phthalate	ACTIVE
85-01-8	phenanthrene	ACTIVE
85-68-7	BBP	ACTIVE
91-20-3	naphthalene	ACTIVE
95-50-1	1,2-dichlorobenzene	ACTIVE
98-95-3	nitrobenzene	ACTIVE
101-55-3	4-bromophenyl phenyl ether	ACTIVE
106-46-7	1,4-dichlorobenzene	ACTIVE
117-81-7	di-(2-ethylhexyl) phthalate	ACTIVE
117-84-0	dioctyl phthalate	ACTIVE
118-74-1	hexachlorobenzene	ACTIVE
120-12-7	anthracene	ACTIVE
120-82-1	1,2,4-trichlorobenzene	ACTIVE
121-14-2	2,4-dinitrotoluene	ACTIVE
129-00-0	pyrene	ACTIVE
131-11-3	dimethyl phthalate	ACTIVE
132-64-9	dibenzofuran	ACTIVE
206-44-0	fluoranthene	ACTIVE
218-01-9	chrysene	ACTIVE

· Hazardous Air Pollutants

50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
56-55-3	benz[a]anthracene
78-59-1	3,5,5-trimethylcyclohex-2-enone
85-01-8	phenanthrene
91-20-3	naphthalene
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene
117-81-7	di-(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene

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120-12-7	anthracene
120-82-1	1,2,4-trichlorobenzene
121-14-2	2,4-dinitrotoluene
129-00-0	pyrene
131-11-3	dimethyl phthalate
132-64-9	dibenzofuran
205-99-2	benz[e]acephenanthrylene
206-44-0	fluoranthene
218-01-9	chrysene

· Proposition 65
· Chemicals known to cause cancer:

50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
56-55-3	benz[a]anthracene
91-20-3	naphthalene
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene
117-81-7	di-(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
120-12-7	anthracene
121-14-2	2,4-dinitrotoluene
205-99-2	benz[e]acephenanthrylene
218-01-9	chrysene

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

98-95-3	nitrobenzene
117-81-7	di-(2-ethylhexyl) phthalate
121-14-2	2,4-dinitrotoluene

· Chemicals known to cause developmental toxicity:

85-68-7	BBP
117-81-7	di-(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene

· Carcinogenic categories
· EPA (Environmental Protection Agency)

67-64-1	acetone	I
50-32-8	benzo[a]pyrene	CaH
53-70-3	dibenz[a,h]anthracene	B2
56-55-3	benz[a]anthracene	B2
78-59-1	3,5,5-trimethylcyclohex-2-enone	C
84-66-2	diethyl phthalate	D

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85-01-8	phenanthrene	D
85-68-7	BBP	C
91-20-3	naphthalene	C, CBD
95-50-1	1,2-dichlorobenzene	D
98-95-3	nitrobenzene	L
101-55-3	4-bromophenyl phenyl ether	D
117-81-7	di-(2-ethylhexyl) phthalate	B2
118-74-1	hexachlorobenzene	B2
120-12-7	anthracene	D
120-82-1	1,2,4-trichlorobenzene	D
129-00-0	pyrene	D
131-11-3	dimethyl phthalate	D
132-64-9	dibenzofuran	D
191-24-2	benzo[ghi]perylene	D
205-99-2	benz[e]acephenanthrylene	B2
206-44-0	fluoranthene	D
218-01-9	chrysene	B2

· TLV (Threshold Limit Value)

67-64-1	acetone	A4
50-32-8	benzo[a]pyrene	A2
56-55-3	benz[a]anthracene	A2
78-59-1	3,5,5-trimethylcyclohex-2-enone	A3
84-66-2	diethyl phthalate	A4
91-20-3	naphthalene	A4
95-50-1	1,2-dichlorobenzene	A4
98-95-3	nitrobenzene	A3
106-46-7	1,4-dichlorobenzene	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
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.

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· **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 previous version** 12/23/2023· **Version number of previous version:** 5· **Date of preparation** 11/12/2025· **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

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.**