

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 07/05/2024

Version Number 4

Reviewed on 07/05/2024

### 1 Identification

- **Product identifier**
- **Trade name:** Appendix IX Standard (1X1 mL)
- **Part number:** US-241-1
- **Restrictions**  
This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.
- **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 identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 2

H225

Highly flammable liquid and vapour.



GHS06 Skull and crossbones

Acute Toxicity (Dermal) – Category 2

H310

Fatal in contact with skin.

Acute Toxicity (Inhalation) - Category 3

H331

Toxic if inhaled.



GHS08 Health hazard

Respiratory Sensitizer - Category 1

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ Cell Mutagenicity - Category 1A

H340

May cause genetic defects.

Carcinogenicity - Category 1A

H350

May cause cancer.

Specific Target Organ Toxicity - Repeated Exposure - Category 1

H372

Causes damage to the central nervous system and the hematopoietic system through prolonged or repeated exposure.

Aspiration Hazard - Category 1

H304

May be fatal if swallowed and enters airways.



GHS07

Acute Toxicity (Oral) - Category 4

H302

Harmful if swallowed.

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Skin Irritation - Category 2	H315	Causes skin irritation.
Eye Irritation - Category 2A	H319	Causes serious eye irritation.
Skin Sensitizer - Category 1	H317	May cause an allergic skin reaction.
Specific Target Organ Toxicity - Single Exposure - Category 3	H335-H336	May cause respiratory irritation. 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**



· **Signal word** Danger

· **Hazard-determining components of labeling:**

benzene  
dichloromethane  
dimethylnitrosoamine  
1,3-dinitrobenzene  
quintozone (ISO)  
4-dimethylaminoazobenzene  
aniline  
p-phenylenediamine

· **Hazard statements**

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H331	Toxic if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H340	May cause genetic defects.
H350	May cause cancer.
H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
H372	Causes damage to the central nervous system and the hematopoietic system through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.

· **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P284	[In case of inadequate ventilation] wear respiratory protection.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P240	Ground and bond container and receiving equipment.
P262	Do not get in eyes, on skin, or on clothing.

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- P242 Use non-sparking tools.
- P243 Take actions to prevent static discharges.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should 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.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P322 Specific measures (see on this label).
- P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P363 Wash contaminated clothing before reuse.
- P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- 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.
- P330 Rinse mouth.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- 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)**



· **HMIS-ratings (scale 0 - 4)**



### 3 Composition/Information on ingredients

· **Chemical characterization: Mixtures**

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

· **Dangerous components:**

75-09-2	dichloromethane	30-60% w/w *
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71-43-2	benzene	10-30% w/w *
67-64-1	acetone	10-30% w/w *
53-96-3	2-acetylaminofluorene	0.1-1% w/w *
55-18-5	diethylnitrosoamine	0.1-1% w/w *
56-49-5	3-methylcholanthrene	0.1-1% w/w *
56-57-5	4-Nitroquinoline-1-oxide	0.1-1% w/w *
57-97-6	7,12-dimethylbenz[a]anthracene	0.1-1% w/w *
59-89-2	N-nitrosomorpholine	0.1-1% w/w *
60-11-7	4-dimethylaminoazobenzene	0.1-1% w/w *
62-44-2	phenacetin	0.1-1% w/w *
62-50-0	ethyl methanesulfonate	0.1-1% w/w *
62-53-3	aniline	0.1-1% w/w *
62-75-9	dimethylnitrosoamine	0.1-1% w/w *
66-27-3	methyl methanesulfonate	0.1-1% w/w *
82-68-8	quintozone (ISO)	0.1-1% w/w *
91-59-8	2-naphthylamine	0.1-1% w/w *
92-67-1	4-aminobiphenyl	0.1-1% w/w *
95-53-4	o-toluidine	0.1-1% w/w *
99-55-8	5-nitro-o-toluidine	0.1-1% w/w *
99-65-0	1,3-dinitrobenzene	0.1-1% w/w *
100-25-4	1,4-dinitrobenzene	0.1-1% w/w *
100-75-4	1-nitrosopiperidine	0.1-1% w/w *
106-50-3	p-phenylenediamine	0.1-1% w/w *
110-86-1	pyridine	0.1-1% w/w *
119-93-7	4,4'-bi-o-toluidine	0.1-1% w/w *
122-39-4	diphenylamine	0.1-1% w/w *
134-32-7	1-naphthylamine	0.1-1% w/w *
224-42-0	Dibenz(a,j)acridine	0.1-1% w/w *
297-97-2	O,O-diethyl O-pyrazin-2-yl phosphorothioate	0.1-1% w/w *
924-16-3	N-nitrosodibutylamine	0.1-1% w/w *
930-55-2	1-nitrosopyrrolidine	0.1-1% w/w *
10595-95-6	N-Nitrosomethylethylamine	0.1-1% w/w *
23950-58-5	propyzamide (ISO)	0.1-1% w/w *

\* Actual concentration ranges are withheld as a trade secret.

#### 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.

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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.

· **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:** Immediately call a 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:**

CO<sub>2</sub>, 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**

During heating or in case of fire poisonous gases are produced.

· **Advice for firefighters**

· **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:** 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.

## 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:**

### 75-09-2 dichloromethane

EL TWA: 25 ppm

IARC 2A

EV TWA: 175 mg/m<sup>3</sup>, 50 ppm

### 71-43-2 benzene

EL STEL: 2.5 ppm

TWA: 0.5 ppm

Skin; ACGIH A1; IARC 1

EV STEL: 2.5 ppm

TWA: 0.5 ppm

Skin

### 67-64-1 acetone

EL STEL: 500 ppm

TWA: 250 ppm

EV STEL: 750 ppm

TWA: 500 ppm

### 55-18-5 diethylnitrosoamine

EL IARC 2A

### 59-89-2 N-nitrosomorpholine

EL IARC 2B

### 62-53-3 aniline

EL TWA: 2 ppm

Skin, IARC 2A

EV TWA: 8 mg/m<sup>3</sup>, 2 ppm

Skin

### 62-75-9 dimethylnitrosoamine

EL Skin; IARC 2A

EV TWA: (L) ppm

Skin

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**82-68-8 quitozene (ISO)**

EL TWA: 0.5 mg/m<sup>3</sup>

EV TWA: 0.5 mg/m<sup>3</sup>
**91-59-8 2-naphthylamine**

EL ACGIH A1; IARC 1

**92-67-1 4-aminobiphenyl**

EL Skin; ACGIH A1; IARC 1

**95-53-4 o-toluidine**

EL TWA: 2 ppm

Skin; IARC 1

EV TWA: 9 mg/m<sup>3</sup>, 2 ppm

Skin

**99-55-8 5-nitro-o-toluidine**

EL TWA: 1 mg/m<sup>3</sup>

Inhalable

EV TWA: 1 mg/m<sup>3</sup>

inhalable

**99-65-0 1,3-dinitrobenzene**

EL TWA: 0.15 ppm

Skin

EV TWA: 1.0 mg/m<sup>3</sup>, 0.15 ppm

Skin

**100-25-4 1,4-dinitrobenzene**

EL TWA: 0.15 ppm

Skin

EV TWA: 1.0 mg/m<sup>3</sup>, 0.15 ppm

Skin

**100-75-4 1-nitrosopiperidine**

EL IARC 2B

**110-86-1 pyridine**

EL TWA: 1 ppm

IARC 2B

EV TWA: 1 ppm

**119-93-7 4,4'-bi-o-toluidine**

EL Skin, IARC 2B

EV TWA: (L) ppm

Skin

**122-39-4 diphenylamine**

EL TWA: 10 mg/m<sup>3</sup>

EV TWA: 10 mg/m<sup>3</sup>
**930-55-2 1-nitrosopyrrolidine**

EL IARC 2B

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**10595-95-6 N-Nitrosomethylethylamine**

EL IARC 2B

- **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.
  - 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
- **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

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

Form:	Fluid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.
- **pH-value:** Not determined.
- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	40 °C

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· <b>Flash point:</b>	-17 °C
· <b>Flammability (solid, gaseous):</b>	Highly flammable.
· <b>Auto igniting:</b>	465 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· <b>Explosion limits:</b> Lower: Upper:	1.2 Vol % 22 Vol %
· <b>Vapor pressure at 20 °C:</b>	360 hPa
· <b>Density:</b> · <b>Relative density</b> · <b>Vapor density</b> · <b>Evaporation rate</b>	Not determined. Not determined. Not determined. Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b> Dynamic: Kinematic:	Not determined. Not determined.
· <b>Solvent content:</b> Organic solvents:	93.8 %
Solids content:	3.8 %
· <b>Other information</b>	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)

Oral	LD50	852 mg/kg
Dermal	LD50	148 mg/kg
Inhalative	LC50/4 h	7.88 mg/L

#### 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)

#### 71-43-2 benzene

Oral	LD50	3,340 mg/kg (rat)
Dermal	LD50	48 mg/kg (mouse) >8,260 mg/kg (rabbit)
Inhalative	LC50/4 h	9,980 mg/L (mouse)

#### 67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)

#### 53-96-3 2-acetylaminofluorene

Oral	LD50	850 mg/kg (mouse)
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#### 55-18-5 diethylnitrosoamine

Oral	LD50	220 mg/kg (rat)
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#### 57-97-6 7,12-dimethylbenz[a]anthracene

Oral	LD50	327 mg/kg (rat)
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#### 59-89-2 N-nitrosomorpholine

Oral	LD50	282 mg/kg (rat)
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#### 60-11-7 4-dimethylaminoazobenzene

Oral	LD50	200 mg/kg (rat)
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#### 62-44-2 phenacetin

Oral	LD50	1,650 mg/kg (rat)
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#### 62-50-0 ethyl methanesulfonate

Oral	LD50	470 mg/kg (mouse)
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#### 62-53-3 aniline

Oral	LD50	442 mg/kg (rat)
Dermal	LD50	820 mg/kg (rabbit)
Inhalative	LC50/4 h	175 mg/L (mouse) 3.27 mg/L (rat)

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**62-75-9 dimethylnitrosoamine**

Oral LD50 37 mg/kg (rat)

Inhalative LC50/4 h 78 mg/L (rat)

**66-27-3 methyl methanesulfonate**

Oral LD50 225 mg/kg (rat)

**82-68-8 quitozene (ISO)**

Oral LD50 1,100 mg/kg (rat)

**91-59-8 2-naphthylamine**

Oral LD50 727 mg/kg (rat)

**92-67-1 4-aminobiphenyl**

Oral LD50 500 mg/kg (rat)

**95-53-4 o-toluidine**

Oral LD50 900 mg/kg (rat)

Dermal LD50 3,244 mg/kg (rabbit)

Inhalative LC50/4 h 862 mg/L (rat)

**99-65-0 1,3-dinitrobenzene**

Oral LD50 83 mg/kg (rat)

**100-75-4 1-nitrosopiperidine**

Oral LD50 200 mg/kg (rat)

**106-50-3 p-phenylenediamine**

Oral LD50 80 mg/kg (rat)

Inhalative LC50/4 h 0.92 mg/L (rat)

**110-86-1 pyridine**

Oral LD50 891 mg/kg (rat)

Dermal LD50 1,121 mg/kg (rabbit)

**119-93-7 4,4'-bi-o-toluidine**

Oral LD50 404 mg/kg (rat)

**122-39-4 diphenylamine**

Oral LD50 1,120 mg/kg (rat)

**134-32-7 1-naphthylamine**

Oral LD50 680 mg/kg (rat)

Dermal LD50 447 mg/kg (rat)

Inhalative LC50/4 h 0.056 mg/L (rat)

**297-97-2 O,O-diethyl O-pyrazin-2-yl phosphorothioate**

Oral LD50 3.5 mg/kg (rat)

Dermal LD50 8 mg/kg (rat)

**924-16-3 N-nitrosodibutylamine**

Oral LD50 1,200 mg/kg (rat)

**930-55-2 1-nitrosopyrrolidine**

Oral LD50 900 mg/kg (rat)

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**10595-95-6 N-Nitrosomethylethylamine**

Oral LD50 90 mg/kg (rat)

**23950-58-5 propyzamide (ISO)**

Oral LD50 3,350 mg/kg (rat)

**· Primary irritant effect:**
**· on the skin:** Irritant to skin and mucous membranes.

**· on the eye:** Irritating effect.

**· Sensitization:**

Sensitization possible through inhalation.

Sensitization possible through skin contact.

**· Additional toxicological information:**

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

Toxic

Harmful

Irritant

**· Carcinogenic categories**
**· IARC (International Agency for Research on Cancer)**

75-09-2	dichloromethane	2A
71-43-2	benzene	1
55-18-5	diethylnitrosoamine	2A
59-89-2	N-nitrosomorpholine	2B
60-11-7	4-dimethylaminoazobenzene	2B
62-44-2	phenacetin	1
62-50-0	ethyl methanesulfonate	2B
62-53-3	aniline	2A
62-75-9	dimethylnitrosoamine	2A
66-27-3	methyl methanesulfonate	2A
82-68-8	quintozone (ISO)	3
91-59-8	2-naphthylamine	1
92-67-1	4-aminobiphenyl	1
95-53-4	o-toluidine	1
99-55-8	5-nitro-o-toluidine	3
100-75-4	1-nitrosopiperidine	2B
106-50-3	p-phenylenediamine	3
110-86-1	pyridine	2B
119-93-7	4,4'-bi-o-toluidine	2B
122-39-4	diphenylamine	2B
134-32-7	1-naphthylamine	3
224-42-0	Dibenz(a,j)acridine	2A
924-16-3	N-nitrosodibutylamine	2B
930-55-2	1-nitrosopyrrolidine	2B
10595-95-6	N-Nitrosomethylethylamine	2B

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· NTP (National Toxicology Program)		
75-09-2	dichloromethane	R
71-43-2	benzene	K
53-96-3	2-acetylaminofluorene	R
55-18-5	diethylnitrosoamine	R
57-97-6	7,12-dimethylbenz[a]anthracene	R
59-89-2	N-nitrosomorpholine	R
60-11-7	4-dimethylaminoazobenzene	R
62-44-2	phenacetin	R
62-50-0	ethyl methanesulfonate	R
62-75-9	dimethylnitrosoamine	R
66-27-3	methyl methanesulfonate	R
91-59-8	2-naphthylamine	K
92-67-1	4-aminobiphenyl	K
95-53-4	o-toluidine	K
100-75-4	1-nitrosopiperidine	R
119-93-7	4,4'-bi-o-toluidine	R
224-42-0	Dibenz(a,j)acridine	R
924-16-3	N-nitrosodibutylamine	R
930-55-2	1-nitrosopyrrolidine	R

## 12 Ecological information

### · Toxicity

#### · Aquatic toxicity:

##### 23950-58-5 propyzamide (ISO)

LC50 (96h) - for fish 72 mg/L/96h (Oncorhynchus mykiss (rainbow trout))

· **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.

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### 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

· <b>Not Regulated, De minimis Quantities</b>	-
· <b>UN-Number</b>	
· <b>DOT/TDG, ADR, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b>	
· <b>DOT/TDG</b>	Flammable liquids, n.o.s. (Benzene, Dichloromethane)
· <b>ADR</b>	1993 Flammable liquids, n.o.s. (Benzene, Dichloromethane)
· <b>IMDG, IATA</b>	FLAMMABLE LIQUID, N.O.S. (BENZENE, DICHLOROMETHANE)
· <b>Transport hazard class(es)</b>	
· <b>DOT/TDG (Transport dangerous goods):</b>	
	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>ADR, IMDG, IATA</b>	
	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>Packing group</b>	
· <b>DOT/TDG, ADR, IMDG, IATA</b>	II
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Warning: Flammable liquids
· <b>Hazard identification number (Kemler code):</b>	33
· <b>EMS Number:</b>	F-E,S-E
· <b>Stowage Category</b>	B
· <b>Stowage Code</b>	SW2 Clear of living quarters.
· <b>Transport in bulk according to Annex II of MARPOL/73/78 and the IBC Code</b>	Not applicable.

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**· Transport/Additional information:**
**· DOT/TDG**
**· Quantity limitations**

On passenger aircraft/rail: 5 L

On cargo aircraft only: 60 L

**· ADR**
**· Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

**· 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 1993 FLAMMABLE LIQUID, N.O.S. (BENZENE, DICHLOROMETHANE), 3, II

\*

## 15 Regulatory information

**· Safety, health and environmental regulations/legislation specific for the substance or mixture**
**· Sara**
**· Section 355 (extremely hazardous substances):**

62-53-3	aniline
62-75-9	dimethylnitrosoamine
297-97-2	O,O-diethyl O-pyrazin-2-yl phosphorothioate

**· Section 313 (Specific toxic chemical listings):**

75-09-2	dichloromethane
71-43-2	benzene
53-96-3	2-acetylaminofluorene
55-18-5	diethylnitrosoamine
56-49-5	3-methylcholanthrene
57-97-6	7,12-dimethylbenz[a]anthracene
59-89-2	N-nitrosomorpholine
60-11-7	4-dimethylaminoazobenzene
62-53-3	aniline
62-75-9	dimethylnitrosoamine
82-68-8	quintozone (ISO)
91-59-8	2-naphthylamine
92-67-1	4-aminobiphenyl
95-53-4	o-toluidine
99-55-8	5-nitro-o-toluidine
99-65-0	1,3-dinitrobenzene
100-25-4	1,4-dinitrobenzene

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100-75-4	1-nitrosopiperidine
106-50-3	p-phenylenediamine
109-06-8	2-methylpyridine
110-86-1	pyridine
119-93-7	4,4'-bi-o-toluidine
122-39-4	diphenylamine
134-32-7	1-naphthylamine
224-42-0	Dibenz(a,j)acridine
924-16-3	N-nitrosodibutylamine
23950-58-5	propyzamide (ISO)

**TSCA (Toxic Substances Control Act):**

This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

75-09-2	dichloromethane	ACTIVE
71-43-2	benzene	ACTIVE
67-64-1	acetone	ACTIVE
53-96-3	2-acetylaminofluorene	ACTIVE
55-18-5	diethylnitrosoamine	ACTIVE
56-49-5	3-methylcholanthrene	ACTIVE
57-97-6	7,12-dimethylbenz[a]anthracene	ACTIVE
60-11-7	4-dimethylaminoazobenzene	ACTIVE
62-44-2	phenacetin	ACTIVE
62-50-0	ethyl methanesulfonate	ACTIVE
62-53-3	aniline	ACTIVE
62-75-9	dimethylnitrosoamine	ACTIVE
66-27-3	methyl methanesulfonate	ACTIVE
82-68-8	quintozone (ISO)	ACTIVE
90-13-1	1-chloronaphthalene	ACTIVE
92-67-1	4-aminobiphenyl	ACTIVE
95-53-4	o-toluidine	ACTIVE
99-55-8	5-nitro-o-toluidine	ACTIVE
99-65-0	1,3-dinitrobenzene	ACTIVE
100-25-4	1,4-dinitrobenzene	ACTIVE
100-75-4	1-nitrosopiperidine	ACTIVE
106-50-3	p-phenylenediamine	ACTIVE
109-06-8	2-methylpyridine	ACTIVE
110-86-1	pyridine	ACTIVE
119-93-7	4,4'-bi-o-toluidine	ACTIVE
122-39-4	diphenylamine	ACTIVE
134-32-7	1-naphthylamine	ACTIVE
297-97-2	O,O-diethyl O-pyrazin-2-yl phosphorothioate	ACTIVE

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924-16-3	N-nitrosodibutylamine	ACTIVE
930-55-2	1-nitrosopyrrolidine	ACTIVE

**· Canadian substance listings:**
**· Canadian Domestic Substances List (DSL)**

75-09-2	dichloromethane
71-43-2	benzene
67-64-1	acetone
56-49-5	3-methylcholanthrene
57-97-6	7,12-dimethylbenz[a]anthracene
60-11-7	4-dimethylaminoazobenzene
62-44-2	phenacetin
62-53-3	aniline
90-13-1	1-chloronaphthalene
91-59-8	2-naphthylamine
95-53-4	o-toluidine
99-65-0	1,3-dinitrobenzene
100-25-4	1,4-dinitrobenzene
106-50-3	p-phenylenediamine
109-06-8	2-methylpyridine
110-86-1	pyridine
119-93-7	4,4'-bi-o-toluidine
122-39-4	diphenylamine
134-32-7	1-naphthylamine

**· Canadian Non-Domestic Substances List (NDSL)**

53-96-3	2-acetylaminofluorene
62-75-9	dimethylnitrosoamine
82-68-8	quintozone (ISO)
92-67-1	4-aminobiphenyl
99-55-8	5-nitro-o-toluidine
100-75-4	1-nitrosopiperidine
297-97-2	O,O-diethyl O-pyrazin-2-yl phosphorothioate
924-16-3	N-nitrosodibutylamine

**· Canadian Ingredient Disclosure list (limit 0.1%)**

75-09-2	dichloromethane
71-43-2	benzene
53-96-3	2-acetylaminofluorene
55-18-5	diethylnitrosoamine
56-49-5	3-methylcholanthrene
57-97-6	7,12-dimethylbenz[a]anthracene
59-89-2	N-nitrosomorpholine
60-11-7	4-dimethylaminoazobenzene

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62-75-9	dimethylnitrosoamine
91-59-8	2-naphthylamine
92-67-1	4-aminobiphenyl
95-53-4	o-toluidine
100-75-4	1-nitrosopiperidine
106-50-3	p-phenylenediamine
119-93-7	4,4'-bi-o-toluidine
122-39-4	diphenylamine
224-42-0	Dibenz(a,j)acridine
924-16-3	N-nitrosodibutylamine
930-55-2	1-nitrosopyrrolidine

**Canadian Ingredient Disclosure list (limit 1%)**

67-64-1	acetone
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**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.

**Contact:**
**Date of the latest revision of the safety data sheet** 07/05/2024 / 3

**Abbreviations and acronyms:**

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**\* Data compared to the previous version altered.**