

Safety Data Sheet acc. to OSHA HCS

Printing date 04/29/2019

Version Number 1

Reviewed on 04/26/2019

1 Identification

- **Product identifier**
- **Trade name:** Appendix IX Standard (1 x 1 mL)
- **Part number:** US-242-1
- **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

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS06 Skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 2 H310 Fatal in contact with skin.



GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1A H350 May cause cancer.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 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).

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· Hazard pictograms

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

benzene
dichloromethane
isodrin
acetone
1,4-naphthoquinone

· Hazard statements

Highly flammable liquid and vapor.
Toxic if swallowed.
Fatal in contact with skin.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
May cause respiratory irritation. May cause drowsiness or dizziness.
Causes damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

· Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Do not get in eyes, on skin, or on clothing.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Rinse mouth.
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.

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Get medical advice/attention if you feel unwell.
Take off immediately all contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use for extinction: CO₂, powder or water spray.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **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.

· **Dangerous components:**

75-09-2	dichloromethane	42.343%
71-43-2	benzene	27.909%
67-64-1	acetone	25.334%
103-33-3	azobenzene	0.201%
2303-16-4	di-allate (ISO)	0.201%
130-15-4	1,4-naphthoquinone	0.201%
56-38-2	parathion (ISO)	0.201%
608-93-5	pentachlorobenzene	0.201%
76-01-7	pentachloroethane	0.201%
94-59-7	safrole	0.201%

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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.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **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:** Do not induce vomiting; immediately call for medical help.
- **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**
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 item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· PAC-1:

75-09-2	dichloromethane	200 ppm
71-43-2	benzene	52 ppm

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67-64-1	acetone	200 ppm
98-86-2	acetophenone	30 ppm
510-15-6	chlorobenzilate (ISO)	8.4 mg/m ³
60-51-5	dimethoate (ISO)	2.7 mg/m ³
298-04-4	disulfoton	0.18 mg/m ³
1888-71-7	hexachloropropene	0.089 ppm
465-73-6	isodrin	0.64 mg/m ³
298-00-0	parathion -methyl (ISO)	0.11 mg/m ³
130-15-4	1,4-naphthoquinone	0.57 mg/m ³
56-38-2	parathion (ISO)	0.15 mg/m ³
608-93-5	pentachlorobenzene	4.4 mg/m ³
76-01-7	pentachloroethane	130 mg/m ³
298-02-2	phorate (ISO)	0.0036 mg/m ³
94-59-7	safrole	5.9 mg/m ³
3689-24-5	sulfotep (ISO)	0.32 mg/m ³
95-94-3	1,2,4,5-tetrachlorobenzene	0.66 mg/m ³
126-68-1	O,O,O-triethyl phosphorothioate	0.027 ppm

PAC-2:

75-09-2	dichloromethane	560 ppm
71-43-2	benzene	800 ppm
67-64-1	acetone	3200* ppm
98-86-2	acetophenone	330 ppm
510-15-6	chlorobenzilate (ISO)	92 mg/m ³
60-51-5	dimethoate (ISO)	30 mg/m ³
298-04-4	disulfoton	2 mg/m ³
1888-71-7	hexachloropropene	0.98 ppm
465-73-6	isodrin	7 mg/m ³
298-00-0	parathion -methyl (ISO)	1.2 mg/m ³
130-15-4	1,4-naphthoquinone	6.3 mg/m ³
56-38-2	parathion (ISO)	1.5 mg/m ³
608-93-5	pentachlorobenzene	49 mg/m ³
76-01-7	pentachloroethane	730 mg/m ³
298-02-2	phorate (ISO)	0.040 mg/m ³
94-59-7	safrole	64 mg/m ³
3689-24-5	sulfotep (ISO)	3.5 mg/m ³
95-94-3	1,2,4,5-tetrachlorobenzene	7.2 mg/m ³
126-68-1	O,O,O-triethyl phosphorothioate	0.3 ppm

PAC-3:

75-09-2	dichloromethane	6,900 ppm
71-43-2	benzene	4000* ppm
67-64-1	acetone	5700* ppm

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98-86-2	acetophenone	2000* ppm
510-15-6	chlorobenzilate (ISO)	550 mg/m ³
60-51-5	dimethoate (ISO)	170 mg/m ³
298-04-4	disulfoton	8.8 mg/m ³
1888-71-7	hexachloropropene	5.9 ppm
465-73-6	isodrin	42 mg/m ³
298-00-0	parathion -methyl (ISO)	3.5 mg/m ³
130-15-4	1,4-naphthoquinone	38 mg/m ³
56-38-2	parathion (ISO)	2.0 mg/m ³
608-93-5	pentachlorobenzene	220 mg/m ³
76-01-7	pentachloroethane	1,200 mg/m ³
298-02-2	phorate (ISO)	0.12 mg/m ³
94-59-7	safrole	390 mg/m ³
3689-24-5	sulfotep (ISO)	35 mg/m ³
95-94-3	1,2,4,5-tetrachlorobenzene	340 mg/m ³
126-68-1	O,O,O-triethyl phosphorothioate	1.8 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 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

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

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Control parameters

Components with limit values that require monitoring at the workplace:

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: 174 mg/m ³ , 50 ppm BEI

71-43-2 benzene

PEL	Short-term value: 15* mg/m ³ , 5* ppm Long-term value: 3* mg/m ³ , 1* ppm *table Z-2 for exclusions in 29CFR1910.1028(d)
REL	Short-term value: 1 ppm Long-term value: 0.1 ppm See Pocket Guide App. A
TLV	Short-term value: 8 mg/m ³ , 2.5 ppm Long-term value: 1.6 mg/m ³ , 0.5 ppm Skin; BEI

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 BEI

76-01-7 pentachloroethane

REL	Handle with caution; See Pocket Guide App. C
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Ingredients with biological limit values:

75-09-2 dichloromethane

BEI	0.3 mg/L Medium: urine Time: end of shift Parameter: Dichloromethane (semi-quantitative)
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71-43-2 benzene

BEI	25 µg/g creatinine Medium: urine Time: end of shift Parameter: S-Phenylmercapturic acid (background)
	500 µg/g creatinine Medium: urine Time: end of shift Parameter: t,t-Muconic acid (background)

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67-64-1 acetone

BEI	50 mg/L
Medium:	urine
Time:	end of shift
Parameter:	Acetone (nonspecific)

· **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.

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· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	40 °C (104 °F)
· Flash point:	-17 °C (1.4 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	465 °C (869 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	22 Vol %
· Vapor pressure at 20 °C (68 °F):	360 hPa (270 mm Hg)
· Density:	Not determined.
· 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):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	96.4 %
VOC content:	28.71 %
	287.1 g/l / 2.40 lb/gal
Solids content:	2.6 %
· 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)

Oral	LD50	210 mg/kg
Dermal	LD50	>134 mg/kg
Inhalative	LC50/4 h	17.6 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)

103-33-3 azobenzene

Oral	LD50	1,000 mg/kg (rat)
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510-15-6 chlorobenzilate (ISO)

Oral	LD50	700 mg/kg (rat)
Dermal	LD50	>1,000 mg/kg (rabbit)

2303-16-4 di-allate (ISO)

Oral	LD50	395 mg/kg (rat)
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298-04-4 disulfoton

Oral	LD50	2 mg/kg (rat)
Dermal	LD50	20 mg/kg (rat)

70-30-4 2,2'-methylenebis-(3,4,6-tri-chlorophenol)

Oral	LD50	60 mg/kg (rat)
Inhalative	LC50/4 h	340 mg/L (rat)

465-73-6 isodrin

Oral	LD50	7 mg/kg (rat)
Dermal	LD50	23 mg/kg (rat)

298-00-0 parathion -methyl (ISO)

Oral	LD50	6.01 mg/kg (rat)
Dermal	LD50	67 mg/kg (rat) 300 mg/kg (rabbit)

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130-15-4 1,4-naphthoquinone

Oral	LD50	190 mg/kg (rat)
Inhalative	LC50/4 h	46 mg/L (rat)

56-38-2 parathion (ISO)

Oral	LD50	2 mg/kg (rat)
Dermal	LD50	6.8 mg/kg (rat)

608-93-5 pentachlorobenzene

Oral	LD50	1,080 mg/kg (rat)
Dermal	LD50	>2,500 mg/kg (rat)

298-02-2 phorate (ISO)

Oral	LD50	1.6 mg/kg (rat)
Dermal	LD50	2.5 mg/kg (rat)

94-59-7 safrole

Oral	LD50	1,950 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

3689-24-5 sulfotep (ISO)

Oral	LD50	5 mg/kg (rat)
Dermal	LD50	20 mg/kg (rat)
Inhalative	LC50/4 h	38 mg/L (rat)

· 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:

Toxic

Harmful

Irritant

The product can cause inheritable damage.

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

75-09-2	dichloromethane	2A
71-43-2	benzene	1
103-33-3	azobenzene	3
510-15-6	chlorobenzilate (ISO)	3
2303-16-4	di-allate (ISO)	3
70-30-4	2,2'-methylenebis-(3,4,6-tri-chlorophenol)	3
120-58-1	isosafole	3
298-00-0	parathion -methyl (ISO)	3
56-38-2	parathion (ISO)	2B
608-93-5	pentachlorobenzene	2B
76-01-7	pentachloroethane	3
94-59-7	safrole	2B

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· NTP (National Toxicology Program)		
75-09-2	dichloromethane	R
71-43-2	benzene	K
130-15-4	1,4-naphthoquinone	R
94-59-7	safrole	R
· OSHA-Ca (Occupational Safety & Health Administration)		
75-09-2	dichloromethane	
71-43-2	benzene	

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 minimus Quantities		-
· UN-Number		
· DOT, IMDG, IATA		UN3021
· UN proper shipping name		
· DOT		Pesticides, liquid, flammable, toxic (Acetone, Benzene)
· IMDG		PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S. (ACETONE, BENZENE), MARINE POLLUTANT

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· IATA PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S.
(ACETONE, BENZENE)

· Transport hazard class(es)

· DOT



· Class 3 Flammable liquids
· Label 3, 6.1

· IMDG



· Class 3 Flammable liquids
· Label 3/6.1

· IATA



· Class 3 Flammable liquids
· Label 3 (6.1)

· Packing group

· DOT, IMDG, IATA II

· Environmental hazards: Product contains environmentally hazardous substances: isodrin

· Marine pollutant: Symbol (fish and tree)

· Special precautions for user Warning: Flammable liquids

· Danger code (Kemler): 336

· EMS Number: F-E,S-D

· Segregation groups Liquid halogenated hydrocarbons

· Stowage Category B

· Stowage Code SW2 Clear of living quarters.

· Transport in bulk according to Annex II of MARPOL/73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· DOT

· Quantity limitations On passenger aircraft/rail: 1 L
On cargo aircraft only: 60 L

· IMDG

· Limited quantities (LQ) 1L

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· 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 3021 PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S.
(ACETONE, BENZENE), 3 (6.1), II, ENVIRONMENTALLY
HAZARDOUS

15 Regulatory information

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

60-51-5	dimethoate (ISO)
298-04-4	disulfoton
465-73-6	isodrin
298-00-0	parathion -methyl (ISO)
56-38-2	parathion (ISO)
298-02-2	phorate (ISO)
3689-24-5	sulfotep (ISO)

· Section 313 (Specific toxic chemical listings):

75-09-2	dichloromethane
71-43-2	benzene
98-86-2	acetophenone
510-15-6	chlorobenzilate (ISO)
2303-16-4	di-allate (ISO)
60-51-5	dimethoate (ISO)
52-85-7	famphur
70-30-4	2,2'-methylenebis-(3,4,6-tri-chlorophenol)
465-73-6	isodrin
120-58-1	isosafrole
298-00-0	parathion -methyl (ISO)
56-38-2	parathion (ISO)
608-93-5	pentachlorobenzene
76-01-7	pentachloroethane
94-59-7	safrole

· TSCA (Toxic Substances Control Act):

75-09-2	dichloromethane	ACTIVE
71-43-2	benzene	ACTIVE
67-64-1	acetone	ACTIVE
98-86-2	acetophenone	ACTIVE
103-33-3	azobenzene	ACTIVE

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510-15-6	chlorobenzilate (ISO)	ACTIVE
60-51-5	dimethoate (ISO)	ACTIVE
52-85-7	famphur	ACTIVE
70-30-4	2,2'-methylenebis-(3,4,6-tri-chlorophenol)	ACTIVE
1888-71-7	hexachloropropene	ACTIVE
465-73-6	isodrin	ACTIVE
120-58-1	isosafrole	ACTIVE
135-23-9	methapyrilene hydrochloride	ACTIVE
130-15-4	1,4-naphthoquinone	ACTIVE
608-93-5	pentachlorobenzene	ACTIVE
76-01-7	pentachloroethane	ACTIVE
94-59-7	safrole	ACTIVE
95-94-3	1,2,4,5-tetrachlorobenzene	ACTIVE

· Hazardous Air Pollutants

75-09-2	dichloromethane
71-43-2	benzene
98-86-2	acetophenone
510-15-6	chlorobenzilate (ISO)
130-15-4	1,4-naphthoquinone
56-38-2	parathion (ISO)

· Proposition 65
· Chemicals known to cause cancer:

75-09-2	dichloromethane
71-43-2	benzene
103-33-3	azobenzene
510-15-6	chlorobenzilate (ISO)
56-38-2	parathion (ISO)
94-59-7	safrole

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

71-43-2	benzene
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· Chemicals known to cause developmental toxicity:

71-43-2	benzene
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· Carcinogenic categories
· EPA (Environmental Protection Agency)

75-09-2	dichloromethane	L
71-43-2	benzene	A, K/L
67-64-1	acetone	I
98-86-2	acetophenone	D
103-33-3	azobenzene	B2

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56-38-2	parathion (ISO)	C
608-93-5	pentachlorobenzene	D

· TLV (Threshold Limit Value established by ACGIH)

75-09-2	dichloromethane	A3
71-43-2	benzene	A1
67-64-1	acetone	A4
298-04-4	disulfoton	A4
298-00-0	parathion -methyl (ISO)	A4
56-38-2	parathion (ISO)	A4
298-02-2	phorate (ISO)	A4
3689-24-5	sulfotep (ISO)	A4

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

75-09-2	dichloromethane
71-43-2	benzene

· National regulations:
· 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.

· Date of preparation / last revision 04/29/2019 / -
· Abbreviations and acronyms:

ADR: Accord européen sur le transport 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
ACGIH: American Conference of Governmental Industrial Hygienists
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
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 2: Acute toxicity – Category 2
Acute Tox. 4: Acute toxicity – Category 4

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Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Muta. 1B: Germ cell mutagenicity – Category 1B
Carc. 1A: Carcinogenicity – Category 1A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1

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

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