

Printing date 03/29/2019 Version Number 2 Reviewed on 03/29/2019

1 Identification

· Product identifier

· Trade name: Calibration Standard (1X1 mL)

· Part number: DWM-523-1

· 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.



GHS08 Health hazard

Carc. 1B H350 May cause cancer.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 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:

ethyl acetate

benzo[a]pyrene

· Hazard statements

Highly flammable liquid and vapor.

Causes serious eye irritation.

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(Contd. of page 1)

May cause cancer.

May cause drowsiness or dizziness.

· 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.

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

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

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

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.

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)



Health = 2 Fire = 3

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



*2 Health = *2 3 Fire = 3

REACTIVITY 0 Reactivity = 0

- · 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:

141-78-6 ethyl acetate

99.423%

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 50-32-8
 benzo[a]pyrene
 (Contd. of page 2)

 0.0222%
 0.0222%

4 First-aid measures

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

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

- · After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures
- Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to 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

TTOLCCHYC	Action Criteria for Chemicals	
· PAC-1:		
141-78-6	ethyl acetate	1,200 ppm
	fonofos (ISO)	0.3 mg/m ³
13071-79-9	S-tert-butylthiomethyl O,O-diethylphosphorodithioate	0.091 mg/m ³
218-01-9	chrysene	0.6 mg/m^3
	benz[a]anthracene	0.6 mg/m^3
121-14-2	2,4-dinitrotoluene	0.6 mg/m^3
	'	(Contd. on page



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Contd. of	27
50-32-8 benzo[a]pyrene 0.6 mg/r 103-23-1 Di-(2-ethylhexyl) adipate 17 mg/m 118-74-1 hexachlorobenzene 0.006 m 77-47-4 hexachlorocyclopentadiene 0.03 ppr 117-81-7 di-(2-ethylhexyl) phthalate 10 mg/m 85-01-8 phenanthrene 5.4 mg/r PAC-2: 141-78-6 ethyl acetate 1,700 ppr 13071-79-9 S-tert-butylthiomethyl O,O-diethylphosphorodithioate 1 mg/m 120 mg/m 120-12-7 benz[a]anthracene 120 mg/m 120 mg/m 121-14-2 2,4-dinitrotoluene 12 mg/m 120 mg/m 103-23-1 Di-(2-ethylhexyl) adipate 180 mg/m 118-74-1 hexachlorobenzene 14 mg/m 120 mg/m 118-74-1 hexachlorobenzene 14 mg/m 120 mg/m 120-12-7 anthracene 120 mg/m 120-12-7 hexachlorobenzene 14 mg/m 120-12-7 anthracene 150 mg/m 120-12-7 anthracene 530 mg/m 59 mg/m 120-12-7 anthracene 530 mg/m 59 mg/m 59 mg/m 50-03-18 59 mg/m 50-03-18 59 mg/m 50-03-18 50 mg/m	age 3)
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118-74-1 hexachlorobenzene 0.006 m. 77-47-4 hexachlorocyclopentadiene 0.03 ppr 117-81-7 di-(2-ethylhexyl) phthalate 10 mg/m 120-12-7 anthracene 48 mg/m 85-01-8 phenanthrene 5.4 mg/m 5.4 mg	
77-47-4 hexachlorocyclopentadiene 0.03 ppr 117-81-7 di-(2-ethylhexyl) phthalate 10 mg/m 120-12-7 anthracene 48 mg/m 85-01-8 phenanthrene 5.4 mg/m 'PAC-2: 141-78-6 ethyl acetate 1,700 pp 944-22-9 fonofos (ISO) 1.3 mg/m 13071-79-9 S-tert-butylthiomethyl O,O-diethylphosphorodithioate 1 mg/m³ 218-01-9 chrysene 12 mg/m³ 56-55-3 benz[a]anthracene 120 mg/m³ 121-14-2 2,4-dinitrotoluene 12 mg/m³ 606-20-2 2,6-dinitrotoluene 47 mg/m³ 50-32-8 benzo[a]pyrene 120 mg/m³ 103-23-1 Di-(2-ethylhexyl) adipate 180 mg/m³ 118-74-1 hexachlorocyclopentadiene 0.55 ppr 117-81-7 di-(2-ethylhexyl) phthalate 1,000 m 120-12-7 anthracene 530 mg/m² 85-01-8 phenanthrene 59 mg/m² 'PAC-3:	
117-81-7 di-(2-ethylhexyl) phthalate 10 mg/m 120-12-7 anthracene 48 mg/m 85-01-8 phenanthrene 5.4 mg/m 5.4 mg/m 5.4 mg/m 7PAC-2: 141-78-6 ethyl acetate 1,700 pp 944-22-9 fonofos (ISO) 1.3 mg/m 13071-79-9 S-tert-butylthiomethyl O,O-diethylphosphorodithioate 1 mg/m 218-01-9 chrysene 12 mg/m 56-55-3 benz[a]anthracene 120 mg/m 121-14-2 2,4-dinitrotoluene 12 mg/m 606-20-2 2,6-dinitrotoluene 47 mg/m 50-32-8 benzo[a]pyrene 120 mg/m 103-23-1 Di-(2-ethylhexyl) adipate 180 mg/m 118-74-1 hexachlorobenzene 14 mg/m 77-47-4 hexachlorocyclopentadiene 0.55 ppr 117-81-7 di-(2-ethylhexyl) phthalate 1,000 mg/m 85-01-8 phenanthrene 530 mg/m 85-01-8 phenanthrene 59 mg/m PAC-3: 141-78-6 ethyl acetate 10000***	
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141-78-6 ethyl acetate 1,700 pp 944-22-9 fonofos (ISO) 1.3 mg/r 13071-79-9 S-tert-butylthiomethyl O,O-diethylphosphorodithioate 1 mg/m³ 218-01-9 chrysene 12 mg/r 56-55-3 benz[a]anthracene 120 mg/r 121-14-2 2,4-dinitrotoluene 12 mg/r 606-20-2 2,6-dinitrotoluene 47 mg/r 50-32-8 benzo[a]pyrene 120 mg/r 103-23-1 Di-(2-ethylhexyl) adipate 180 mg/r 118-74-1 hexachlorobenzene 14 mg/r 77-47-4 hexachlorocyclopentadiene 0.55 ppr 117-81-7 di-(2-ethylhexyl) phthalate 1,000 m 120-12-7 anthracene 530 mg/r 85-01-8 phenanthrene 59 mg/r • PAC-3: 141-78-6 ethyl acetate 10000***	
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218-01-9 chrysene 12 mg/m 56-55-3 benz[a]anthracene 120 mg/m 121-14-2 2,4-dinitrotoluene 12 mg/m 606-20-2 2,6-dinitrotoluene 47 mg/m 50-32-8 benzo[a]pyrene 120 mg/m 103-23-1 Di-(2-ethylhexyl) adipate 180 mg/m 118-74-1 hexachlorobenzene 14 mg/m 77-47-4 hexachlorocyclopentadiene 0.55 ppr 117-81-7 di-(2-ethylhexyl) phthalate 1,000 mg/m 120-12-7 anthracene 530 mg/m 85-01-8 phenanthrene 59 mg/m • PAC-3: 141-78-6 ethyl acetate 10000***	
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606-20-2 2,6-dinitrotoluene 47 mg/m 50-32-8 benzo[a]pyrene 120 mg/m 103-23-1 Di-(2-ethylhexyl) adipate 180 mg/m 118-74-1 hexachlorobenzene 14 mg/m 77-47-4 hexachlorocyclopentadiene 0.55 ppr 117-81-7 di-(2-ethylhexyl) phthalate 1,000 m 120-12-7 anthracene 530 mg/m 85-01-8 phenanthrene 59 mg/m • PAC-3: 141-78-6 ethyl acetate 10000***	
50-32-8 benzo[a]pyrene 120 mg/s 103-23-1 Di-(2-ethylhexyl) adipate 180 mg/s 118-74-1 hexachlorobenzene 14 mg/m 77-47-4 hexachlorocyclopentadiene 0.55 ppr 117-81-7 di-(2-ethylhexyl) phthalate 1,000 mg/s 120-12-7 anthracene 530 mg/s 85-01-8 phenanthrene 59 mg/m • PAC-3: 141-78-6 ethyl acetate 10000***	
103-23-1 Di-(2-ethylhexyl) adipate 180 mg/s 118-74-1 hexachlorobenzene 14 mg/m 77-47-4 hexachlorocyclopentadiene 0.55 ppr 117-81-7 di-(2-ethylhexyl) phthalate 1,000 mg/s 120-12-7 anthracene 530 mg/s 85-01-8 phenanthrene 59 mg/m • PAC-3: 141-78-6 ethyl acetate 10000***	
77-47-4 hexachlorocyclopentadiene 0.55 ppr 117-81-7 di-(2-ethylhexyl) phthalate 1,000 mg 120-12-7 anthracene 530 mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m	n^3
117-81-7 di-(2-ethylhexyl) phthalate 1,000 m 120-12-7 anthracene 530 mg/m 85-01-8 phenanthrene 59 mg/m • PAC-3: 141-78-6 ethyl acetate 10000**	3
120-12-7 anthracene 530 mg/m 85-01-8 phenanthrene 59 mg/m • PAC-3: 141-78-6 ethyl acetate 10000***	1
85-01-8 phenanthrene 59 mg/m • PAC-3: 141-78-6 ethyl acetate 10000**	g/m³
PAC-3: 141-78-6 ethyl acetate 10000**	n³
141-78-6 ethyl acetate 10000**	3
944-22-9 fonofos (ISO) 53 mg/m ³	opm
13071-79-9 S-tert-butylthiomethyl O,O-diethylphosphorodithioate 2.2 mg/m	3
218-01-9 chrysene 69 mg/m ³	
56-55-3 benz[a]anthracene 700 mg/n	
121-14-2 2,4-dinitrotoluene 200 mg/n	l ³
606-20-2 2,6-dinitrotoluene 200 mg/n	l ³
50-32-8 benzo[a]pyrene 700 mg/n	l ³
103-23-1 Di-(2-ethylhexyl) adipate 1,100 mg	m³
118-74-1 hexachlorobenzene 91 mg/m ³	
77-47-4 hexachlorocyclopentadiene 1 ppm	
117-81-7 di-(2-ethylhexyl) phthalate 6,100 mg	
120-12-7 anthracene 3,200 mg	
85-01-8 phenanthrene 360 mg/n	l ³



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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.
- · Control parameters

~ 4 •41	1 1 11		4 41 1 1
· Components with	limit values tha	t reallire manitarin	g at the workplace:
Components with	mini vaiues ena	ւ ուպաու է ոոսուստուու	z at the workplace.

141-78-6 ethyl acetate

PEL	Long-term value: 1400 mg/m ³ , 400 ppm
	Long-term value: 1400 mg/m³, 400 ppm
TLV	Long-term value: 1440 mg/m³, 400 ppm

50-32-8 benzo[a]pyrene

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

· Ingredients with biological limit values:

50-32-8 benzo[a]pyrene

BEI -

Medium: urine

Time: end of shift at end of workweek

Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)

- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

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Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· Breathing equipment:

When used as intended with Agilent instruments, the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not 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:	Colorless	
· Odor:	Fruit-like	
· Odor threshold:	Not determined.	
· pH-value:	Not determined.	
· Change in condition Melting point/Melting range: Boiling point/Boiling range:	-83.57 °C (-118.4 °F) 77-78 °C (170.6-172.4 °F)	
· Flash point:	-4 °C (24.8 °F)	
· Flammability (solid, gaseous):	Not applicable.	
· Ignition temperature:	460 °C (860 °F)	
· Decomposition temperature:	Not determined.	

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	(Contd. of page
· 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:	2.1 Vol %
Upper:	11.5 Vol %
· Vapor pressure at 20 °C (68 °F):	75 hPa (56.3 mm Hg)
Density at 20 °C (68 °F):	0.9 g/cm³ (7.5105 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water at 20 °C (68 °F):	79 g/l
· Partition coefficient (n-octanol/wate	er): Not determined.
· Viscosity:	
Dynamic at 20 °C (68 °F):	0.44 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	99.5 %
VOC content:	99.49 %
	994.9 g/l / 8.30 lb/gal
Solids content:	0.4 %
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.

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 1,609 mg/L (rat)

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(Contd. of page 7) 141-78-6 ethyl acetate Oral LD50 5,620 mg/kg (rabbit) Inhalative LC50/4 h 1,600 mg/L (rat) 15972-60-8 alachlor (ISO) LD50 930 mg/kg (rat) Oral Dermal LD50 3,500 mg/kg (rabbit) 21087-64-9 metribuzin (ISO) LD50 1,090 mg/kg (rat) Oral LD50 >20,000 mg/kg (rabbit) Dermal Inhalative LC50/4 h >860 mg/L (rat) 2212-67-1 molinate (ISO) Oral LD50 369 mg/kg (rat) Dermal LD50 3,536 mg/kg (rabbit) 13071-79-9 S-tert-butylthiomethyl O,O-diethylphosphorodithioate LD50 4.5 mg/kg (rat) Oral

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

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

· Carcinogenic categories

· IARC (In	ternational Agency for Research on Cancer)	
1912-24-9	atrazine (ISO)	3
122-34-9	simazine (ISO)	3
218-01-9	chrysene	2B
56-55-3	benz[a]anthracene	2B
121-14-2	2,4-dinitrotoluene	2B
606-20-2	2,6-dinitrotoluene	2B
50-32-8	benzo[a]pyrene	1
103-23-1	Di-(2-ethylhexyl) adipate	3
118-74-1	hexachlorobenzene	2B
117-81-7	di-(2-ethylhexyl) phthalate	2B
120-12-7	anthracene	3
85-01-8	phenanthrene	3
· NTP (Nat	ional Toxicology Program)	
218-01-9	chrysene	R
56-55-3	benz[a]anthracene	R
50-32-8	benzo[a]pyrene	R
118-74-1	hexachlorobenzene	R
117-81-7	di-(2-ethylhexyl) phthalate	R
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100.10.5		(Contd. of page 8)
120-12-7	anthracene	R
85-01-8	phenanthrene	R
· OSHA-C	a (Occupational Safety & Health Administration)	
None of t	he ingredients is listed.	

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water

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

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

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

14 Transport information

· Not Regulated, De minimus Quantities	-
· UN-Number · DOT, IMDG, IATA	UN1173
· UN proper shipping name· DOT· IMDG· IATA	Ethyl acetate solution ETHYL ACETATE solution, MARINE POLLUTANT ETHYL ACETATE solution

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(Contd. of page 9) · Transport hazard class(es) · DOT, IATA 3 Flammable liquids · Class ·Label · IMDG 3 Flammable liquids · Class ·Label 3 · Packing group ΙΙ · DOT, IMDG, IATA · Environmental hazards: Product contains environmentally hazardous substances: alachlor (ISO), S-tert-butylthiomethyl O,O-diethylphosphorodithioate Symbol (fish and tree) · Marine pollutant: · Special precautions for user Warning: Flammable liquids · Danger code (Kemler): 33 · EMS Number: F-E,S-D · Stowage Category В · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: · 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 · UN "Model Regulation": UN 1173 ETHYL ACETATE SOLUTION, 3, II, **ENVIRONMENTALLY HAZARDOUS**

US



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15 Regulato	ry information
	lth and environmental regulations/legislation specific for the substance or mixture
· Section 355	5 (extremely hazardous substances):
944-22-9	fonofos (ISO)
13071-79-9	S-tert-butylthiomethyl O,O-diethylphosphorodithioate
77-47-4	hexachlorocyclopentadiene
· Section 313	3 (Specific toxic chemical listings):
15972-60-8	alachlor (ISO)
1912-24-9	atrazine (ISO)
21725-46-2	cyanazine (ISO)
21087-64-9	metribuzin (ISO)
759-94-4	EPTC (ISO)
2212-67-1	molinate (ISO)
5902-51-2	terbacil
1918-16-7	propachlor (ISO)
122-34-9	simazine (ISO)
	chrysene
	benz[a]anthracene
	2,4-dinitrotoluene
606-20-2	2,6-dinitrotoluene
50-32-8	benzo[a]pyrene
118-74-1	hexachlorobenzene
77-47-4	hexachlorocyclopentadiene
	di-(2-ethylhexyl) phthalate
120-12-7	anthracene
85-01-8	phenanthrene
· TSCA (Tox	xic Substances Control Act):
141-78-6	ethyl acetate
1912-24-9	atrazine (ISO)
759-94-4	EPTC (ISO)
1610-18-0	prometon
122-34-9	simazine (ISO)
218-01-9	·
	benz[a]anthracene
	2,4-dinitrotoluene
	2,6-dinitrotoluene
	benzo[a]pyrene
	Di-(2-ethylhexyl) adipate
118-74-1	hexachlorobenzene



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		(Contd. of page
	exachlorocyclopentadiene	,
	i-(2-ethylhexyl) phthalate	
120-12-7 a		
85-01-8 p	henanthrene	
·Proposition		
	nown to cause cancer:	
	alachlor (ISO)	
	2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide	
	propachlor (ISO)	
218-01-9	·	
	benz[a]anthracene	
	2,4-dinitrotoluene	
	2,6-dinitrotoluene	
	benzo[a]pyrene	
	hexachlorobenzene	
117-81-7	di-(2-ethylhexyl) phthalate	
· Chemicals l	nown to cause reproductive toxicity for females:	
1912-24-9 a	trazine (ISO)	
2212-67-1 r	nolinate (ISO)	
122-34-9 s	imazine (ISO)	
· Chemicals l	nown to cause reproductive toxicity for males:	
	nolinate (ISO)	
121-14-2	,4-dinitrotoluene	
606-20-2	,6-dinitrotoluene	
117-81-7 d	i-(2-ethylhexyl) phthalate	
· Chemicals l	nown to cause developmental toxicity:	
	atrazine (ISO)	
	cyanazine (ISO)	
	EPTC (ISO)	
	molinate (ISO)	
5902-51-2		
	simazine (ISO)	
	hexachlorobenzene	
	di-(2-ethylhexyl) phthalate	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
· Carcinogen	onmental Protection Agency)	
•	metribuzin (ISO)	D
51218-45-2		C
218-01-9		B2
	•	B2
	benz[a]anthracene	
50-32-8	benzo[a]pyrene	CaH (Contd. on page



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	(Cc	ontd. of page	e
103-23-1	Di-(2-ethylhexyl) adipate	C	_
118-74-1	hexachlorobenzene	B2	
77-47-4	hexachlorocyclopentadiene	E, N	V
117-81-7	di-(2-ethylhexyl) phthalate	B2	
120-12-7	anthracene	D	
85-01-8	phenanthrene	D	
· TLV (Thre	shold Limit Value established by ACGIH)	•	
15972-60-8	alachlor (ISO)	A	A
1912-24-9	atrazine (ISO)	A	A
	fonofos (ISO)	A	A
21087-64-9	metribuzin (ISO)	A	A
	chrysene	A	A
56-55-3	benz[a]anthracene	A	A
	benzo[a]pyrene	A	A
118-74-1	hexachlorobenzene	A	A
77-47-4	hexachlorocyclopentadiene	A	A
117-81-7	di-(2-ethylhexyl) phthalate	A	A
	(National Institute for Occupational Safety and Health)		_
218-01-9 cl			
	4-dinitrotoluene		
	enzo[a]pyrene		
117-81-7 d	-(2-ethylhexyl) phthalate		Ī

- · 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.

- · Date of preparation / last revision 03/29/2019 / 1
- · 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)

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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 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Carc. 1B: Carcinogenicity - Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

* Data compared to the previous version altered.

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