Printing date 03/30/2019

Version Number 2

Reviewed on 03/30/2019

1 Identification

- · Product identifier
- Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)
- Part number: RPC-024S
- · 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

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

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

GHS07

Skin Irrit. 2 H315 Causes skin 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



· Signal word Danger

- Hazard-determining components of labeling: n-hexane
- **Hazard statements** Highly flammable liquid and vapor.

(Contd. on page 2)



Reviewed on 03/30/2019

(Contd. on page 3)

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

(Contd. of page 1) Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause 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. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). 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 exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: 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 = 1Fire = 3Reactivity = 0· HMIS-ratings (scale 0 - 4) HEALTH 1 Health = 1FIRE 3 Fire = 3**REACTIVITY** Reactivity = 0· Other hazards · Results of PBT and vPvB assessment • **PBT:** Not applicable. • **vPvB**: Not applicable.



Printing date 03/30/2019

Reviewed on 03/30/2019

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

(Contd. of page 2)

99.985%

3 Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:

110-54-3 n-hexane

4 First-aid measures

· Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- After inhalation: 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.
- 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
- 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.

(Contd. on page 4)



Printing date 03/30/2019



U

Printing date 03/30/2019

Version Number 2

Reviewed on 03/30/2019

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

(Contd. of page 3)

260 ppm

2900* ppm

8600** ppm

· Protective Action Criteria for Chemicals

· PAC-1:

110-54-3 n-hexane

· PAC-2:

110-54-3 n-hexane

· PAC-3:

110-54-3 n-hexane

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

Components with limit values that require monitoring at the workplace:

110-54-3 n-hexane

PEL Long-term value: 1800 mg/m³, 500 ppm

- REL Long-term value: 180 mg/m³, 50 ppm
- TLV Long-term value: 176 mg/m³, 50 ppm Skin; BEI

· Ingredients with biological limit values:

110-54-3 n-hexane

BEI 0.4 mg/L

Medium: urine

Time: end of shift at end of workweek

Parameter: 2.5-Hexanedione without hydrolysis

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

(Contd. on page 5)



Reviewed on 03/30/2019

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

(Contd. of page 4)

US

Exposure controls	
Personal protective equipment:	
General protective and hygienic me	
Keep away from foodstuffs, beverages	
Immediately remove all soiled and con	
Wash hands before breaks and at the e	end of work.
Store protective clothing separately.	
Avoid contact with the skin.	
Avoid contact with the eyes and skin.	
with standard practices does not result	nstruments, the use of the product under normal laboratory conditions and t in significant airborne exposures and therefore respiratory protection is no
needed. Under an emergency condition where	a respirator is deemed necessary, use a NIOSH or equivalent approved
device/equipment with appropriate or	
Protection of hands:	
	al use. The breakthrough time is 1 hr. For cleaning a spill where there is ubber gloves are recommended 12-15 mil thickness with breakthrough time dations should be followed.
Material of gloves	
For normal use: nitrile rubber, 11-13 r	
For direct contact with the chemical: b	putyl rubber, 12-15 mil thickness
Penetration time of glove material	
For normal use: nitrile rubber: 1 hour	
For direct contact with the chemical: b	outyl rubber: >4 hours
	outyl rubber: >4 hours
For direct contact with the chemical: b	outyl rubber: >4 hours
For direct contact with the chemical: b Eye protection:	
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c	ties
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information	ties
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance:	ties chemical properties
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance: Form:	ties chemical properties Fluid
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance: Form: Color:	ties chemical properties Fluid Colorless
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance: Form: Color: Odor:	ties chemical properties Fluid Colorless Characteristic
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance: Form: Color: Odor: Odor threshold:	ties chemical properties Fluid Colorless Characteristic Not determined.
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance: Form: Color: Odor: Odor threshold: pH-value:	ties chemical properties Fluid Colorless Characteristic
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance: Form: Color: Odor: Odor threshold:	ties chemical properties Fluid Colorless Characteristic Not determined.
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance: Form: Color: Odor: Odor: Odor threshold: pH-value: Change in condition Melting point/Melting range:	ties chemical properties Fluid Colorless Characteristic Not determined. Not determined. -95 °C (-139 °F)
For direct contact with the chemical: b Eye protection: Tightly sealed goggles Physical and chemical proper Information on basic physical and c General Information Appearance: Form: Color: Odor: Odor threshold: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range:	ties themical properties Fluid Colorless Characteristic Not determined. Not determined. Not determined. -95 °C (-139 °F) 69 °C (156.2 °F)



Printing date 03/30/2019

Reviewed on 03/30/2019

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

	(Contd. of page :
· Ignition temperature:	240 °C (464 °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:	7.4 Vol %
· Vapor pressure at 20 °C (68 °F):	110 hPa (82.5 mm Hg)
Density at 20 °C (68 °F):	0.7 g/cm ³ (5.8415 lbs/gal)
Relative density	Not determined.
· Vapor density	Not determined.
Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water at 20 °C (68 °F):	0.1 g/l
Partition coefficient (n-octanol/wate	er): Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	100.0 %
VOC content:	99.98 %
	999.8 g/l / 8.34 lb/gal
Solids content:	0.0 %
• 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.

(Contd. on page 7)



Printing date 03/30/2019

Printing date 03/30/2019

Version Number 2

Reviewed on 03/30/2019

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

(Contd. of page 6)

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

LD50 5,001 mg/kg (rat) Oral Dermal LD50 3,000 mg/kg (rabbit)

110-54-3 n-hexane

LD50 5,000 mg/kg (rat) Oral

Dermal LD50 3,000 mg/kg (rabbit)

· Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

- on the eye: No 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 (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the 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 2 (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even 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.



Version Number 2

Reviewed on 03/30/2019

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

(Contd. of page 7)

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.

UN proper shipping name DOT Hexanes IMDG HEXANES, MARINE POLLUTANT IATA HEXANES Transport hazard class(es) DOT, IATA Image: Class 3 Flammable liquids Label 3 IMDG Image: Class Image: Class 3 Flammable liquids Label 3 Class 3 Flammable liquids Label 3 Packing group II DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33	UN-Number	
DOT Hexanes IMDG HEXANES, MARINE POLLUTANT IATA HEXANES Transport hazard class(es) DOT, IATA Image: Class 3 Flammable liquids Label 3 IMDG 3 IMDG Image: Class Image: Class 3 Flammable liquids Label 3 Class 3 Flammable liquids Label 3 Packing group Image: Class	DOT, IMDG, IATA	UN1208
IMDG IATAHEXANES, MARINE POLLUTANT HEXANESTransport hazard class(es)HEXANESDOT, IATAImposeImposeImposeClass3 Flammable liquids 3IMDGImposeImposeImposeImposeImposeClass3 Flammable liquids 	UN proper shipping name	
IATA HEXANES Transport hazard class(es) DOT, IATA Import 3 Class 3 Flammable liquids Label 3 IMDG 3 Class 3 Flammable liquids Label 3 Flammable liquids Class 3 Flammable liquids Label 3 Flammable liquids Added 3 Flammable liquids Label 3 Flammable liquids Age 3 Flammable liquids Label 3 Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 Stowage Category E Transport in bulk according to Annex II of	DOT	
Transport hazard class(es) DOT, IATA Image: Class 3 Label 3 IMDG Image: Class 3 Flammable liquids Jame Image: Class 3 Image: Class 3 Flammable liquids Jame 3 Class 3 Flammable liquids Jame 3 Packing group Jame DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	IMDG	HEXANES, MARINE POLLUTANT
DOT, IATA Class 3 Flammable liquids Label 3 IMDG Class 3 Flammable liquids Class 3 Flammable liquids Class 3 Flammable liquids Label 3 Packing group DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Marine pollutant: Symbol (fish and tree) Special precautions for user Banger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E	ΙΑΤΑ	HEXANES
Class 3 Flammable liquids Label 3 IMDG 3 IMDG Image: State of the state	Transport hazard class(es)	
Label 3 IMDG IMDG IMDG Impose Class 3 Flammable liquids Label 3 Packing group II DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	DOT, IATA	
Label 3 IMDG IMDG IMDG Impose Class 3 Flammable liquids Label 3 Packing group II DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of		
Label 3 IMDG IMDG IMDG Impose Class 3 Flammable liquids Label 3 Packing group II DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	3	
Label 3 IMDG IMDG Impose Impose Class 3 Flammable liquids Label 3 Packing group II DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	Class	3 Flammable liquids
Class 3 Flammable liquids Label 3 Packing group J DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	Label	•
Class 3 Flammable liquids Label 3 Packing group J DOT, IMDG, IATA II Environmental hazards: Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	ирс	
Packing group DOT, IMDG, IATAIIEnvironmental hazards:Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexaneMarine pollutant:Symbol (fish and tree)Special precautions for userWarning: Flammable liquidsDanger code (Kemler):33EMS Number:F-E,S-DStowage CategoryETransport in bulk according to Annex II of		
DOT, IMDG, IATAIIEnvironmental hazards:Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexaneMarine pollutant:Symbol (fish and tree)Special precautions for userWarning: Flammable liquidsDanger code (Kemler):33EMS Number:F-E,S-DStowage CategoryETransport in bulk according to Annex II of	Class	
Environmental hazards:Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexaneMarine pollutant:Symbol (fish and tree)Special precautions for userWarning: Flammable liquidsDanger code (Kemler):33EMS Number:F-E,S-DStowage CategoryETransport in bulk according to Annex II of	Class	
Marine pollutant: tetrachlorobiphenyl, n-hexane Marine pollutant: Symbol (fish and tree) Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	Class Label Packing group	3
Marine pollutant:Symbol (fish and tree)Special precautions for userWarning: Flammable liquidsDanger code (Kemler):33EMS Number:F-E,S-DStowage CategoryETransport in bulk according to Annex II of	Class Label Packing group	3
Special precautions for user Warning: Flammable liquids Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of		3 II Product contains environmentally hazardous substances: 2,2',4,
Danger code (Kemler): 33 EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	Class Label Packing group DOT, IMDG, IATA Environmental hazards:	3 II Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane
EMS Number: F-E,S-D Stowage Category E Transport in bulk according to Annex II of	Class Label Packing group DOT, IMDG, IATA Environmental hazards:	3 II Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane
Stowage Category E Transport in bulk according to Annex II of	Class Label Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user	3 II Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Symbol (fish and tree) Warning: Flammable liquids
Transport in bulk according to Annex II of	Class Label Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Danger code (Kemler):	3 II Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Symbol (fish and tree) Warning: Flammable liquids 33
	Class Label Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Danger code (Kemler): EMS Number:	3 II Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Symbol (fish and tree) Warning: Flammable liquids 33 F-E,S-D
	Class Label Packing group DOT, IMDG, IATA	3 II Product contains environmentally hazardous substances: 2,2',4, tetrachlorobiphenyl, n-hexane Symbol (fish and tree) Warning: Flammable liquids 33 F-E,S-D



Γ

Printing date 03/30/2019

Printing date 03/30/2019

Version Number 2

Reviewed on 03/30/2019

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

(Contd. of page 8)
On passenger aircraft/rail: 5 L
On cargo aircraft only: 60 L
1L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
UN 1208 HEXANES, 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):
None of the ingredients is listed.
Section 313 (Specific toxic chemical listings):
110-54-3 n-hexane
· TSCA (Toxic Substances Control Act):
110-54-3 n-hexane
· Proposition 65
· Chemicals known to cause cancer:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for males:
110-54-3 n-hexane
· Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
· Carcinogenic categories
· EPA (Environmental Protection Agency)
110-54-3 n-hexane II
• TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
·NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.



*

Reviewed on 03/30/2019

Trade name: 2,2',4,6-Tetrachlorobiphenyl Standard (BZ-50) (1X2 mL)

(Contd. of page 9)

	warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.
De	partment issuing SDS: Document Control / Regulatory
Co	intact: regulatory@ultrasci.com
	te of preparation / last revision 03/30/2019 / 1
	bbreviations and acronyms:
	R: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carria
ofI	Dangerous Goods by Road)
	DG: International Maritime Code for Dangerous Goods
	T: US Department of Transportation
	A: International Air Transport Association
	GIH: American Conference of Governmental Industrial Hygienists
	JECS: European Inventory of Existing Commercial Chemical Substances
ELI	INCS: European List of Notified Chemical Substances
CA	S: Chemical Abstracts Service (division of the American Chemical Society)
	PA: National Fire Protection Association (USA)
	IIS: Hazardous Materials Identification System (USA)
	C: Volatile Organic Compounds (USA, EU)
	50: Lethal concentration, 50 percent
	50: Lethal dose, 50 percent
	T: Persistent, Bioaccumulative and Toxic
	B: very Persistent and very Bioaccumulative
	DSH: National Institute for Occupational Safety
	HA: Occupational Safety & Health V: Threshold Limit Value
	L: Permissible Exposure Limit
	L: Recommended Exposure Limit
	I: Biological Exposure Limit
	m. Liq. 2: Flammable liquids – Category 2
	n Irrit. 2: Skin corrosion/irritation – Category 2
	r. 2: Reproductive toxicity – Category 2
	OT SE 3: Specific target organ toxicity (single exposure) – Category 3
	OT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
	b. Tox. 1: Aspiration hazard – Category 1



*

Printing date 03/30/2019