SAFETY DATA SHEET

Agilent Technologies

Method 525 Standard Mix 3 (High Concentration) Agilent Part Number 8500-5936

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture

Product name : Method 525 Standard Mix 3 (High Concentration) Agilent Part Number 8500-5936

Part No. : 8500-5936

Use of the substance/mixture

Analytical chemistry.
1 x 1 ml.

Company/undertaking identification

Supplier/Manufacturer : Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

Emergency telephone number (with hours of operation) : Contact your local Poison Center
or +49 7243 602 2200 (Agilent Information Telephone Number)

2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification according to Regulation (EC) 1907/2006 (REACH)

Classification : F; R11
Xi; R36
R66, R67
N; R50/53

Physical/chemical hazards : Highly flammable.

Human health hazards : Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Environmental hazards : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification according to Regulation (EC) 1272/2008 (CLP)

Classification : FLAMMABLE LIQUIDS - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] - Category 3
AQUATIC TOXICITY (ACUTE) - Category 1
AQUATIC TOXICITY (CHRONIC) - Category 1

Additional hazards : Not available.

See section 11 for more detailed information on health effects and symptoms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

Ingredient name	CAS number	%	EC number	Classification (according to REACH)
Acetone	67-64-1	>=90	200-662-2	F; R11 Xi; R36 R66, R67 [1] [2]
Aldrin (ISO)	309-00-2	<0.1	206-215-8	Carc. Cat. 3; R40 T; R24/25, R48/24/25 N; R50/53 [1] [2]
Endrin (ISO)	72-20-8	<0.1	200-775-7	T+; R28 T; R24 N; R50/53 [1] [2]

3. COMPOSITION/INFORMATION ON INGREDIENTS

Heptachlor (ISO)	76-44-8	<0.1	200-962-3	Carc. Cat. 3; R40 T; R24/25 R33 N; R50/53	[1] [2]
Heptachlor epoxide	1024-57-3	<0.1	213-831-0	Carc. Cat. 3; R40 T; R25 R33 N; R50/53	[1] [2]
Gamma-HCH or gamma-BHC	58-89-9	0.025-0.1	200-401-2	T; R25 Xn; R20/21, R48/22 R64 N; R50/53	[1] [2]
Methoxychlor	72-43-5	<0.1	200-779-9	Xn; R22 N; R50/53	[1] [2]
Simazine (ISO)	122-34-9	<0.1	204-535-2	Carc. Cat. 3; R40 N; R50/53	[1]
See section 16 for the full text of the R-phrases declared above					

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

4. FIRST AID MEASURES

Inhalation : Get medical attention immediately. Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion : Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to physician : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable : Use dry chemical, CO_2, water spray (fog) or foam.

Not suitable : Do not use water jet.

Special exposure hazards : Highly flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods for cleaning up : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Handling : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Refer to special instructions/safety data sheet. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Packaging materials

Recommended : Use original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Ingredient name	Occupational exposure limits
Acetone	**EU OEL (Europe, 4/2006). Notes: Indicative** Limit value: 1210 mg/m³ 8 hour(s). Limit value: 500 ppm 8 hour(s).
Aldrin (ISO)	**ACGIH TLV (United States, 1/2009). Absorbed through skin.** TWA: 0.05 mg/m³ 8 hour(s). Form: Inhalable fraction and vapor
Endrin (ISO)	**ACGIH TLV (United States, 1/2009). Absorbed through skin.** TWA: 0.1 mg/m³ 8 hour(s).
Heptachlor (ISO)	**ACGIH TLV (United States, 1/2009). Absorbed through skin.** TWA: 0.05 mg/m³ 8 hour(s).
Heptachlor epoxide	**ACGIH TLV (United States, 1/2009). Absorbed through skin.** TWA: 0.05 mg/m³ 8 hour(s).
Gamma-HCH or gamma-BHC	**ACGIH TLV (United States, 1/2009). Absorbed through skin.** TWA: 0.5 mg/m³ 8 hour(s).
Methoxychlor	**ACGIH TLV (United States, 1/2009).** TWA: 10 mg/m³ 8 hour(s).

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance

Physical state : Liquid.

Colour : Clear. Colourless.

Odour : Minty.

Important health, safety and environmental information

9. PHYSICAL AND CHEMICAL PROPERTIES

pH : Not available.

Boiling point : Not available.

Melting point : Not available.

Flash point : Closed cup: -18 to 23°C (-0.4 to 73.4°F)

Flammability (solid, gas) : Not applicable.

Explosive properties : Not available.

Oxidising properties : Not available.

Vapour pressure : Not available.

Relative density : Not available.

Solubility : Easily soluble in the following materials: cold water, hot water and acetone.

Octanol/water partition coefficient : Not available.

Viscosity : Not available.

Vapour density : Not available.

Evaporation rate : Not available.

10. STABILITY AND REACTIVITY

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Materials to avoid : Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Toxicokinetics

Absorption : Routes of entry anticipated:Oral, Dermal, Inhalation.

Distribution : Contains material which may cause damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Metabolism : Not available.

Elimination : Not available.

Potential acute health effects

Inhalation : Can cause central nervous system (CNS) depression. Vapours may cause drowsiness and dizziness.

Ingestion : Can cause central nervous system (CNS) depression.

Skin contact : Defatting to the skin. May cause skin dryness and irritation.

Eye contact : Irritating to eyes.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Acetone	LD50 Oral	Rat	5800 mg/kg	-
Aldrin (ISO)	LD50 Dermal	Rabbit	15 mg/kg	-
	LD50 Dermal	Rat	98 mg/kg	-
	LD50 Oral	Rat	38 mg/kg	-
Endrin (ISO)	LD50 Dermal	Rabbit	60 mg/kg	-
	LD50 Dermal	Rat	12 mg/kg	-
	LD50 Oral	Rat	3 mg/kg	-
Heptachlor (ISO)	LD50 Dermal	Rabbit	500 mg/kg	-
	LD50 Dermal	Rat	119 mg/kg	-
	LD50 Oral	Rat	40 mg/kg	-
Heptachlor epoxide	LD50 Oral	Rat	15 mg/kg	-
Gamma-HCH or gamma-BHC	LD50 Dermal	Rabbit	50 mg/kg	-
	LD50 Dermal	Rat	414 mg/kg	-
	LD50 Oral	Rat	76 mg/kg	-
Methoxychlor	LD50 Dermal	Rabbit	>6 g/kg	-
	LD50 Dermal	Rat	>6 g/kg	-

11. TOXICOLOGICAL INFORMATION

Simazine (ISO)	LD50 Oral	Rat	1855 mg/kg	-
	LC50 Inhalation Vapour	Rat	9800 mg/m3	4 hours
	LD50 Dermal	Rabbit	>10200 mg/kg	-
	LD50 Dermal	Rat	>5 g/kg	-
	LD50 Oral	Rat	971 mg/kg	-

Conclusion/Summary : Not available.

Potential chronic health effects

Chronic toxicity

Conclusion/Summary : Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Product name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
Aldrin (ISO)	Carc. Cat. 3; R40	-	-	-
Heptachlor (ISO)	Carc. Cat. 3; R40	-	-	-
Heptachlor epoxide	Carc. Cat. 3; R40	-	-	-
Simazine (ISO)	Carc. Cat. 3; R40	-	-	-

Chronic effects : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following:
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness

Ingestion : No specific data.

Skin : Adverse symptoms may include the following:
irritation
dryness
cracking

Eyes : Adverse symptoms may include the following:
irritation
watering
redness

12. ECOLOGICAL INFORMATION

Ecotoxicity : This material is very toxic to aquatic life. This material is toxic to aquatic life with long lasting effects.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Acetone	Acute LC50 7550000 ug/L Fresh water	Crustaceans - Asellus aquaticus	48 hours
	Acute LC50 10000 ug/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 >100000 ug/L Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) - 0.2 to 0.5 g	96 hours
Aldrin (ISO)	Acute EC50 28 to 39 ug/L Fresh water	Daphnia - Daphnia pulex - LARVAE	48 hours
	Acute LC50 0.21 ug/L Fresh water	Crustaceans - Paratelphusa jacquemontii - Intermolt	48 hours
	Acute LC50 1.2 ug/L Fresh water	Fish - Clarias batrachus	96 hours
Endrin (ISO)	Acute LC50 0.0000011 to 0.0000027 ug/L	Crustaceans - Asellus aquaticus - Juvenile (Fledgling, Hatchling, Weanling) - 21 days	48 hours
	Acute LC50 0.000022 to 0.000052 ug/L	Daphnia - Daphnia pulex	48 hours
	Acute LC50 0.05 ug/L Marine water	Fish - Menidia menidia - 54 mm - 0.9 g	96 hours
Heptachlor (ISO)	Acute EC50 0.00015 ppm Marine water	Crustaceans - Penaeus duorarum	48 hours
	Acute EC50 42 ug/L Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute LC50 0.8 ug/L Marine water	Fish - Thalassoma bifasciatum - 80 mm - 5.4 g	96 hours
Heptachlor epoxide	Acute LC50 240 to 300 ug/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5.3 to 7.2 ug/L Fresh water	Fish - Lepomis macrochirus - 0.5 g	96 hours
Gamma-HCH or gamma-BHC	Acute EC50 0.00022 ppm Marine water	Crustaceans - Penaeus aztecus	48 hours
	Acute EC50 100 ug/L Fresh water	Daphnia - Daphnia carinata - Adult - 2 to 2.5 mm	48 hours
	Acute LC50 1.1 ug/L Fresh water	Fish - Clarias batrachus	96 hours
Methoxychlor	Acute EC50 0.23 ug/L Marine water	Crustaceans - Cancer magister - Zoea	48 hours
	Acute EC50 0.78 to 1.07 ug/L Fresh water	Daphnia - Daphnia pulex - LARVAE	48 hours
	Acute LC50 1.7 to 2.8 ppb Fresh water	Fish - Salmo salar	96 hours
Simazine (ISO)	Acute EC50 3200 ug/L Fresh water	Crustaceans - Cypridopsis vidua - Instar	48 hours
	Acute EC50 1000 ug/L Fresh water	Daphnia - Daphnia magna - Instar	48 hours
	Acute LC50 90 ug/L Fresh water	Fish - Perca sp. - 4 to 12 months - 2 to 10 cm - 0.5 to 14 g	96 hours

Other ecological information

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Acetone	-0.24	-	low
Aldrin (ISO)	-4.258	-	low
Heptachlor (ISO)	3.87	-	high
Heptachlor epoxide	5.4	-	high
Gamma-HCH or gamma-BHC	3.8477	-	high
Methoxychlor	3.5	138	high
Simazine (ISO)	2.18	-	low

Other adverse effects : No known significant effects or critical hazards.

PBT : Not applicable.

vPvB : Not applicable.

13. DISPOSAL CONSIDERATIONS

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste : Yes.

14. TRANSPORT INFORMATION

International transport regulations

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADR/RID	UN1090	ACETONE solution	3	II		**Hazard identification number** 33 **Limited quantity** LQ4 **CEFIC Tremcard** 30S1090
IMDG	UN1090	ACETONE solution. Marine pollutant (Aldrin (ISO))	3	II		**Emergency schedules (EmS)** F-E, S-D
IATA	UN1090	Acetone solution	3	II		**Passenger and Cargo Aircraft** Quantity limitation: 5 L Packaging instructions: 305 **Cargo Aircraft Only** Quantity limitation: 60 L Packaging instructions: 307 **Limited Quantities - Passenger Aircraft** Quantity limitation: 1 L Packaging instructions: Y305 **Remarks** Excepted Quantity

PG* : Packing group

15. REGULATORY INFORMATION

Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments might still be required.

EU regulations

Classification and labeling according to Regulation (EC) 1272/2008 (CLP)

Classification and labeling have been determined according to Regulation (EC) 1272/2008 (including amendments) and take into account the intended product use.

Signal word : Danger

15. REGULATORY INFORMATION

Hazard statements : **GHS02** - Highly flammable liquid and vapour.
GHS07 - Causes serious eye irritation.
GHS07 - May cause drowsiness or dizziness.
GHS09 - Very toxic to aquatic life with long lasting effects.
EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements

Prevention : Wear protective gloves. Wear eye/face protection. Keep away from ignition sources such as heat/sparks/open flame. - No smoking. Use explosion-proof electrical/ventilating/lighting/material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapour.

Response : Collect spillage. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Wash hands after handling. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage : Store locked up. Store in a well-ventilated place. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazard symbol or symbols :

Product use : Industrial applications, Professional applications.

Europe inventory : Not determined.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Listed

Integrated pollution prevention and control list (IPPC) - Water : Not listed

16. OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3 - Europe :
R11- Highly flammable.
R40- Limited evidence of a carcinogenic effect.
R28- Very toxic if swallowed.
R25- Toxic if swallowed.
R24- Toxic in contact with skin.
R24/25- Toxic in contact with skin and if swallowed.
R48/24/25- Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.
R22- Harmful if swallowed.
R20/21- Harmful by inhalation and in contact with skin.
R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R36- Irritating to eyes.
R33- Danger of cumulative effects.
R64- May cause harm to breastfed babies.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16. OTHER INFORMATION

Full text of classifications referred to in sections 2 and 3 - Europe : F - Highly flammable
Carc. Cat. 3 - Carcinogen category 3
T+ - Very toxic
T - Toxic
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment

Restrictions on use

None identified.

History

Date of issue/ Date of revision : 8/07/2010

Date of previous issue : No previous validation.

Version : 1

Indicates information that has changed from previously issued version.

Notice to reader

Disclaimer: 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.

Annex