

SAFETY DATA SHEET



Paq5000 DNA Polymerase - 500 U, Part Number 600680

Section 1. Identification

Product identifier : Paq5000 DNA Polymerase - 500 U, Part Number 600680
Part No. (Chemical Kit) : 600680
Part No. : Paq5000 DNA Polymerase 600680-51
 10X Paq5000 DNA Polymerase Buffer 600680-52

Relevant identified uses of the substance or mixture and uses advised against

Analytical reagent.

Paq5000 DNA Polymerase	100 µl (500 U	5.0 U/µl)
10X Paq5000 DNA Polymerase Buffer	1.0 ml	

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
 679 Springvale Road
 Mulgrave
 Victoria 3170, Australia
 1800 802 402

Emergency telephone number (with hours of operation) : CHEMTREC®: +(61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

Paq5000 DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
10X Paq5000 DNA Polymerase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
	Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
10X Paq5000 DNA Polymerase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.5%

GHS label elements

Signal word : Paq5000 DNA Polymerase No signal word.
 10X Paq5000 DNA Polymerase Buffer No signal word.

Hazard statements : Paq5000 DNA Polymerase No known significant effects or critical hazards.
 10X Paq5000 DNA Polymerase Buffer No known significant effects or critical hazards.

Precautionary statements

Prevention : Paq5000 DNA Polymerase Not applicable.
 10X Paq5000 DNA Polymerase Buffer Not applicable.

Response : Paq5000 DNA Polymerase Not applicable.
 10X Paq5000 DNA Polymerase Buffer Not applicable.

Storage : Paq5000 DNA Polymerase Not applicable.
 10X Paq5000 DNA Polymerase Buffer Not applicable.

Section 2. Hazard(s) identification

Disposal	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Not applicable. Not applicable.
Supplemental label elements	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Not applicable. Not applicable.
Other hazards which do not result in classification	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	None known. None known.

Section 3. Composition and ingredient information

Substance/mixture	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Mixture Mixture
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CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
Paq5000 DNA Polymerase Glycerol	≥30 - ≤60	56-81-5

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.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Paq5000 DNA Polymerase	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Section 4. First aid measures

10X Paq5000 DNA
Polymerase Buffer

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.
Inhalation	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.
Skin contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.
Ingestion	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific treatment. No specific treatment.
Protection of first-aiders	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media : Paq5000 DNA Polymerase Use an extinguishing agent suitable for the surrounding fire.
 10X Paq5000 DNA Polymerase Buffer Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : Paq5000 DNA Polymerase None known.
 10X Paq5000 DNA Polymerase Buffer None known.

Specific hazards arising from the chemical : Paq5000 DNA Polymerase In a fire or if heated, a pressure increase will occur and the container may burst.
 10X Paq5000 DNA Polymerase Buffer In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Paq5000 DNA Polymerase Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 10X Paq5000 DNA Polymerase Buffer Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 nitrogen oxides
 sulfur oxides
 metal oxide/oxides

Special protective actions for fire-fighters : Paq5000 DNA Polymerase 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.
 10X Paq5000 DNA Polymerase Buffer 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.

Special protective equipment for fire-fighters : Paq5000 DNA Polymerase Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
 10X Paq5000 DNA Polymerase Buffer Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Paq5000 DNA Polymerase 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. Put on appropriate personal protective equipment.
 10X Paq5000 DNA Polymerase Buffer 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. Put on appropriate personal protective equipment.

Section 6. Accidental release measures

For emergency responders : Paq5000 DNA Polymerase
 10X Paq5000 DNA Polymerase Buffer

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
 If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Paq5000 DNA Polymerase
 10X Paq5000 DNA Polymerase Buffer

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).
 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).

Methods and material for containment and cleaning up

Methods for cleaning up : Paq5000 DNA Polymerase
 10X Paq5000 DNA Polymerase Buffer

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. Dispose of via a licensed waste disposal contractor.
 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. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Paq5000 DNA Polymerase
 10X Paq5000 DNA Polymerase Buffer

Put on appropriate personal protective equipment (see Section 8).
 Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Paq5000 DNA Polymerase
 10X Paq5000 DNA Polymerase Buffer

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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities :

10X Paq5000 DNA Polymerase Buffer

Paq5000 DNA Polymerase Store in accordance with local regulations. 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. 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. See Section 10 for incompatible materials before handling or use.

Store in accordance with local regulations. 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. 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. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Paq5000 DNA Polymerase Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- 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.

Individual protection measures

- 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.
- Eye/face 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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- 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.
- Body 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.

Section 8. Exposure controls and personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state	: Paq5000 DNA Polymerase	Liquid.
	10X Paq5000 DNA	Liquid.
	Polymerase Buffer	
Colour	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Odour	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Odour threshold	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
pH	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	10
	Polymerase Buffer	
Melting point	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Boiling point	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Flash point	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Evaporation rate	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Flammability (solid, gas)	: Paq5000 DNA Polymerase	Not applicable.
	10X Paq5000 DNA	Not applicable.
	Polymerase Buffer	
Lower and upper explosive (flammable) limits	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Vapour pressure	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Vapour density	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Relative density	: Paq5000 DNA Polymerase	Not available.
	10X Paq5000 DNA	Not available.
	Polymerase Buffer	
Solubility	: Paq5000 DNA Polymerase	Soluble in the following materials: cold water and hot water.
	10X Paq5000 DNA	Easily soluble in the following materials: cold water and hot water.
	Polymerase Buffer	

Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Not available. Not available.
Auto-ignition temperature	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Not available. Not available.
Decomposition temperature	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Not available. Not available.
Viscosity	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Not available. Not available.

Section 10. Stability and reactivity

Reactivity	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	The product is stable. The product is stable.
Possibility of hazardous reactions	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.
Incompatible materials	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
Hazardous decomposition products	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Paq5000 DNA Polymerase Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Paq5000 DNA Polymerase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Section 11. Toxicological information

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : Paq5000 DNA Polymerase
10X Paq5000 DNA
Polymerase Buffer
Routes of entry anticipated: Oral, Dermal, Inhalation.
Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.
Inhalation	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.
Skin contact	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.
Ingestion	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No specific data. No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Section 11. Toxicological information

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: Paq5000 DNA Polymerase 10X Paq5000 DNA Polymerase Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Paq5000 DNA Polymerase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Paq5000 DNA Polymerase Glycerol	-1.76	-	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Section 12. Ecological information

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

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.
Canada : Not determined.
China : Not determined.
Europe : Not determined.
Japan : **Japan inventory (ENCS):** Not determined.
Japan inventory (ISHL): Not determined.
Malaysia : Not determined.

Section 15. Regulatory information

New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: <input checked="" type="checkbox"/> Not determined.
United States	: <input checked="" type="checkbox"/> Not determined.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision	: 29/06/2017
Date of previous issue	: 28/10/2015.
Version	: 4

Key to abbreviations

: ADG = Australian Dangerous Goods
: ATE = Acute Toxicity Estimate
: BCF = Bioconcentration Factor
: GHS = Globally Harmonized System of Classification and Labelling of Chemicals
: IATA = International Air Transport Association
: IBC = Intermediate Bulk Container
: IMDG = International Maritime Dangerous Goods
: LogPow = logarithm of the octanol/water partition coefficient
: MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
: NOHSC = National Occupational Health and Safety Commission
: SUSMP = Standard Uniform Schedule of Medicine and Poisons
: UN = United Nations

Procedure used to derive the classification

Classification	Justification
<input checked="" type="checkbox"/> Not classified.	

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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