

SAFETY DATA SHEET

According to EC 1907/2006 (REACH)

Date last verification : 2017-05-29
Revision date : 2017-05-29
Publication date : 2004-01-29

Version number : 5.0

Last modifications in sections : 2 - 3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

SDS : 21637
Supplier : POLYCHROMAL B.V.
Postbus 8043
1802 KA Alkmaar
The Netherlands
TEL:+31 72 5670799
FAX:+31 72 5624095

Tradename : COPYSTRIP LIQUID CONCENTRATED

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

General description : SODIUM PERIODAT SOLUTION
Use : Various
Uses advised against : Data not available.

1.3. Details of the supplier of the safety data sheet

Supplier safety data sheet : Philips Electronics Nederland B.V., Philips Environment & Safety, High Tech Campus 37, 5656 AE Eindhoven, Tel. +31 (0)40 2747588
Responsible department : dangerous.goods@philips.com

1.4. Emergency telephone number

Emergency telephone number : +31 (0)497-598315

* SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

(EC) No 1272/2008

2.2. Label elements

(EC) No 1272/2008

Label : not applicable

Remarks on labelling : none

2.3. Other hazards

If applicable: see section 6.1 and section 7.1.

* SECTION 3: Composition/information on ingredients

Component	CAS-no. EC-no.	Index No. Registration no.	Percentage(%)	Label
SODIUM PERIODATE	7790-28-5 232-197-6	01-2119980983-20	≤5.0	GHS03 GHS06 H271 Ox. sol. 1 H301 Acute tox. 3
WATER	7732-18-5		≥95.0	

Component	CAS-no.	Index No.	Percentage(%)	Label
	EC-no.	Registration no.		
	231-791-2			

For the full text of the H-sentences mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin	:	Remove residue substance as soon as possible from the skin (f.i. rinse with plenty of water).
Ingestion	:	If the victim is conscious let him rinse the mouth with water. Do NOT let him drink. In case of general disorders call for a doctor.
Inhalation	:	Bring the victim into the fresh air as soon as possible, let rest and if necessary call for a doctor.
Eyes	:	Rinse for a long time with plenty of water. In case of eye-sight disturbances consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin	local	:	The substance is prickling: redness.
	general	:	Probably no absorption worth mentioning.
Ingestion	local	:	The substance is prickling: sore throat.
	general	:	The substance may be absorbed after ingestion.
Inhalation	local	:	The substance is with atomising prickling: sore throat.
	general	:	Probably no absorption worth mentioning.
Eyes	local	:	The substance is prickling: redness.
Remarks symptoms		:	The substance has an effect on: the blood.

4.3. Indication of any immediate medical attention and special treatment needed

For advice on further treatment contact a (national) poison center.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable fire-extinguisher

determined by surrounding

Unsuitable fire-extinguisher

not traceable

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in fire : sodium oxide, hydrogen iodide

5.3. Advice for firefighters

In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Precautions

Use protective equipment. See section 8.

Emergency procedure

Is not to be expected.

6.2. Environmental precautions

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

6.3. Methods and material for containment and cleaning up

Spillage procedure

Absorb the liquid in appropriate absorbent (e.g. Powersorb, dry sand, diatomite, vermiculite etc.), shovel the mixture into plastic bags and remove to the central depot for hazardous waste.

6.4. Reference to other sections

See section 8 for appropriate personal protection.

See section 13 for additional information on waste treatment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Observe label precautions.

Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment. Wash hands after leaving the work area.

Local exhausting : Under normal circumstances not applicable.

Storage code (on behalf of PGS 15) : none

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : See also any precautionary statements in section 2.2.
Store product frost free.

7.3. Specific end use(s)

Data not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

applicable to: The Netherlands

No TWA has been laid down.

SODIUM PERIODATE

No TWA has been laid down.

WATER

C=Ceiling; S=Skin

Remarks exposure limits :

none

DNEL (Derived No Effect Level)

Data not available.

PNEC (Predicted No Effect Concentration)

Data not available.

8.2. Exposure controls

Advised personal protection :

Hands : neoprene gloves
Breakthrough time : For information: consult the supplier of the gloves.
Eyes : safety goggles
Inhalation : none (when sufficient exhausting)
Skin : protective clothing (such as: apron, coverall, boots)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : liquid
Colour : colourless
Odour : odourless
Odour threshold (20°C; 1013 mbar) : not traceable
pH : < 7
Melting point/range : <0 °C
Boiling point/range : >100 °C (1013 mbar)
Flash point/range : not applicable
Vapor rate/range : not traceable
Flammability (solid, gas) : data not available
Explosive limits : not applicable
Vapour pressure : 2.3 kPa (20 °C)
Relative density : ≥1.000 - ≤1.020 (water=1) (20 °C)
Solubility in water : partial
Log Po/w : not traceable
Autoignition temperature : not applicable
Decomposition temperature : not traceable
Viscosity : not traceable
Dust explosions possible in air : not applicable
Oxidising properties : no

9.2. Other information

Solubility in fat : not traceable

Electrostatic chargement : no

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.2 - 10.6.

10.2. Chemical stability

The substance or mixture is stable under normal conditions. See also section 10.4.

10.3. Possibility of hazardous reactions

Reactions with water : no
Other hazardous conditions : Data not available.

10.4. Conditions to avoid

Data not available.

10.5. Incompatible materials

Hazardous reactions with : reducing substances, strong acids

10.6. Hazardous decomposition products

Hazardous decomposition products at heating : none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity
LD-50: 264 mg/kg (ORL-RAT) SODIUM PERIODATE **Source** : Supplier

Acute dermal toxicity
There are no data available.

Acute inhalation toxicity
There are no data available.

Ames test
not traceable

Skin corrosion/irritation
The substance or mixture is not classified for skin corrosion/-irritation.

Serious eye damage/irritation
The substance or mixture is not classified for serious eye damage/irritation.

Respiratory or skin sensitisation
The substance or mixture is not classified for respiratory or skin sensitisation.

Germ cell mutagenicity
The substance or mixture is not classified for germ cell mutagenicity.

Carcinogenicity
The substance or mixture is not classified for carcinogenicity.

Additional information regarding carcinogenicity (NTP, IARC, OSHA)
NTP: no IARC: no OSHA: no SODIUM PERIODATE
NTP: no IARC: no OSHA: no WATER

Reproductive toxicity
The substance or mixture is not classified for reproductive toxicity.

Specific target organ toxicity-single exposure
The substance or mixture is not classified for specific target organ toxicity-single exposure.

Specific target organ toxicity-repeated exposure
The substance or mixture is not classified for specific target organ toxicity-repeated exposure.

Aspiration hazard
The substance or mixture is not classified for aspiration hazard.

Symptoms

Skin	local	:	The substance is prickling: redness.
	general	:	Probably no absorption worth mentioning.
Ingestion	local	:	The substance is prickling: sore throat.
	general	:	The substance may be absorbed after ingestion.
Inhalation	local	:	The substance is with atomising prickling: sore throat.

Eyes general : Probably no absorption worth mentioning.
 local : The substance is prickling: redness.
Remarks symptoms : The substance has an effect on: the blood.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity
not traceable

12.2. Persistence and degradability

Biological oxygen demand : not traceable
Chemical oxygen demand : not traceable
Biological/chemical oxygen demand ratio : not traceable
Degradability : not traceable

12.3. Bioaccumulative potential

Bioconcentration factor (BCF) : not traceable
Log Po/w : not traceable

12.4. Mobility in soil

Henry Constant : not traceable

12.5. Results of PBT and vPvB assessment

Data not available.

12.6. Other adverse effects

Remarks on ecotoxicity : none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

SECTION 14: Transport information

14.1. UN number

Not subject to Transport-regulation Dangerous Substances

14.2. UN proper shipping name

Not subject to Transport-regulation Dangerous Substances

14.3. Transport hazard class(es)

Not subject to Transport-regulation Dangerous Substances

14.4. Packing group

Not subject to Transport-regulation Dangerous Substances

14.5. Environmental hazards

Marine pollutant : no

14.6. Special precautions for user

Not subject to Transport-regulation Dangerous Substances

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Data not available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- The component(s), as mentioned in section 3, are registered in the Toxic Substances Control Act Inventory (TSCA-USA).

15.2. Chemical safety assessment

- Data not available.

SECTION 16: Other information

Remarks on SDS : none

Overview relevant H-sentences from all components in section 3

H271 May cause fire or explosion; strong oxidiser.
H301 Toxic if swallowed.

Training advice

Provide adequate information, instruction and training for operators.

A key or legend to abbreviations and acronyms used in the safety data sheet

REACH	Registration, Evaluation and Authorisation of CHemicals
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
CAS	Chemical Abstracts Service
TGG = TWA	Time Weighted Average
LEL	Lower Explosive Limit
UEL	Upper Explosive Limit
NTP	National Toxicology Program
KHC	Known Human Carcinogen
RAHC	Reasonably Anticipated Human Carcinogen
IARC	International Agency for Research on Cancer
OSHA	Occupational Safety & Health Administration
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
RID	Règlement concernant le transport international ferroviaire des marchandises dangereuses
UN	United Nations
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
EmS	Emergency Schedule

* Point to alterations with regard to the previous version.

The information provided in this Safety Data Sheet is believed to be correct as of the date issued. Philips Electronics Nederland B.V. makes no warranty as to its contents, nor as to its fitness for any particular purpose or use.