

Material Safety Data Sheet

According to 1907/2006EC, Article 31


1. Identification of substance:

Product Name: *DIA-PROBE-CLEANER-D*
Cat. No.: *h31105, h31125*
Application of the substance / the preparation: *Laboratory reagent For In Vitro Diagnostic Use*

Manufacturer/Supplier: *Diagon Ltd.*
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H-1047 Budapest *Fax: +36-1-3696301*
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Informing service: *Diagon customer service* *helpdesk@diagon.com*
Emergency information: *Health Toxicological Information Service (HTIS)*
during office hours *Tel.: +36-1-4766464*

2. Hazards identification

Hazard designation:  *Xi Irritant*
Information pertaining to particular dangers for man and environment:
R 36/38 Irritating to eyes and skin.
Classification system: *The classification is conform to current EC-directives*

3. Composition/Data on components:

Chemical characterization:
Dangerous components according to EC-criteria:

CAS: 7681-52-9 EINECS: 231-668-3	Sodium hypochlorite (NaOCl),	 C; R: 31-34	<0,6%
CAS: 1310-73-2 EINECS: 215-185-5	Sodium hydroxide	 C; R: 35	<0,5%

4. First aid measures

General information: *No special measures required.*
Inhalation: *Supply fresh air; consult doctor in case of symptoms.*
Skin contact: *Wash skin with water and soap.*
Eye contact: *Immediately rinse opened eye for several minutes under running water. Consult doctor in case of symptoms.*
Ingestion: *Rinse out the mouth. Do not induce vomiting. Seek medical treatment.*

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5. Fire fighting measures

Suitable extinguishing agents: CO₂, extinguishing powder or water jet.
Protective equipment: Wear self-contained breathing apparatus.
Specific risks: Non determined
Additional recommendations: None

6. Accidental release measures:

Person-related safety precautions: Wear a lab coat, protective gloves and safety goggles.
Measures for environmental protection: Do not allow product to reach sewage system or water bodies.
Measures for cleaning/collecting: Absorb with liquid-binding material (diatomite, acid binders, universal binders).
Additional information: No dangerous materials are released.

7. Handling and storage

Handling
Safe handling: No special measures required.
Protection against explosions and fires: No special measures required.
Storage
Storerooms and containers: No special requirements.
Storage in one common storage facility: Not required.
Further storage conditions: Protect from direct sunlight, store at 15-35 °C

8. Exposure controls and personal protection

Components with limit values at the workplace: Not required.
Additional information: The lists that were valid during the compilation were used as basis.

General protective and hygienic measures: The usual precautionary measures should be adhered to general rules for handling chemicals.
Avoid contact with the eyes and skin.

Personal protective equipment:
Breathing equipment: Not necessary, if room is well-ventilated.
Hand protection: Protective gloves
Eye protection: Safety glasses recommended during refilling.
Skin protection: Lab coat.
Hygiene measures: Wash hands before and after use.

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9. Physical and chemical properties

General Information

Form:	<i>Fluid</i>
Colour:	<i>Colourless</i>
Odour:	<i>Chlorine-like</i>
Melting point/Melting range:	<i>Not determined</i>
Boiling point/Boiling range:	<i>100°C</i>
Flash point:	<i>Not applicable</i>
Self-inflammability:	<i>Product is not self igniting</i>
Danger of explosion:	<i>Product is not explosive.</i>
Vapour pressure at 20°C:	<i>23 hPa</i>
Density at 20°C	<i>1.01 g/cm³</i>
Solubility in / Miscibility with Water:	<i>Fully miscible</i>
pH-value at 20°C:	<i>~11</i>
Viscosity:	<i>1 mPas (dynamic at 20°C)</i>

10. Stability and reactivity

Thermal decomposition / conditions to be avoided: *No decomposition if used according to specifications.*

Dangerous reactions *No dangerous reactions known.*

Dangerous products of decomposition: *No dangerous decomposition products known.*

11. Toxicological information

Acute toxicity: *Sodium hypochlorite: LD50 oral mouse: 5800 mg/kg*

Primary irritant effect:

Skin: *Irritant for skin and mucous membranes.*

Eye: *Irritant*

Sensitization: *No sensitizing effect known*

Additional toxicological information:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information

Mobility: *Not determined.*

Degradability: *Not determined.*

Bioaccumulative potential: *Not determined.*

Ecotoxicology: *Not determined.*

Other hazardous effects: *Not determined*

General notes: *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

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13. Disposal considerations

Product:

Recommendation: The product must be disposed of as a laboratory chemical according to local regulations. Do not allow product to reach ground water or sewage system.

Contaminated packaging:

Recommendation: Incineration. There are no uniform EC-regulations for the disposal of packaging as waste.

Recommended cleaning agent: Water, if necessary with cleaning agent.

14. Transport information

Land transport ADR/RID (cross-border)

ADR/RID-GGVS/E Class: -

Remarks: Not restricted

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

Remarks: Not restricted

15. Regulatory information

Symbols:  Xi Irritant

R phrases: R 36/38 Irritating to eyes and skin.

S phrases: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Designation according to EC guidelines: Observe the normal safety regulations when handling chemicals.

16. Other information:

Diagon LTD provides the information in this data sheet in good faith, declaring it is up-to-date at time of revision. However this document is intended only as a guide for professional use, according to the intended purposes of the product. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.