

SAFETY DATA SHEET

(According to EEC Directive 91/155/EEC and amendments)

1. Identification of the substance/preparation and company:

Product Name:	S5362 PROTEIN REMOVER, CODE 943-906
Intended use:	For in vitro diagnostic use.
Version:	1
Date:	May 9, 2005

Distributor's name, address and telephone:

2. Composition/Information on Ingredients:

<u>Contains among others</u>	<u>ELINCS/EINECS</u>	<u>CAS-No.</u>	<u>Content-%</u>	<u>Classification</u>
Sodium hypochlorite	231-668-3	7681-52-9	<5% (active chlorine)	R31 C;R34

For the full text of the R-phrases see chapter 16.

3. Hazards Identification:

The product is irritating to eyes and skin. Liberates toxic gasses in contact with acids and when heated. Sodium hypochlorite may cause an allergic reaction in contact with skin or through inhalation.

4. First-Aid Measures:

Inhalation:

Fresh air. If discomfort persists, seek medical attention.

Skin contact:

Wash the skin with soap and water. Seek medical attention if discomfort continues.

Eye contact:

Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Seek medical attention if discomfort continues.

Ingestion:

Do not induce vomiting. Let the injured drink water or milk and get medical attention.

5. Fire-fighting Measures:

The product is non-flammable.

If possible, remove containers from fire hazard. When heated the product liberates toxic fumes (e.g. Cl₂).

6. Accidental Release Measures:

Large spillage: prevent access to drains, sewers, waterways and soil. Contact authorities.
Small spillage: flush away with copious of water.
Disposal: see section 13.

7. Handling and Storage:

Avoid skin and eye contact. Prolonged skin contact: wear gloves. See section 8.

Avoid contact with acids.

Store in closed original containers in a dry place. Store at temperatures between 2°C and 8°C.

8. Exposure Controls and Personal Protection:

Occupational Exposure Standard, Threshold Limit Values (TLV):

Chlorine	0.5 ppm (DK, 2002)
Chlorine	0.5 ppm (TWA, ACGIH, 2002)
	1 ppm (STEL, ACGIH, 2002)
Chlorine	1 ppm (TWA, OSHA, 2002)

The TLV values may be controlled using air monitoring.

Following personal protection is recommended, if necessary:

Respiratory protection: -

Gloves: E.g. rubber

Eye protection: -

9. Physical and Chemical Properties:

Appearance:	Light yellow liquid	Solubility-water:	Soluble
Odour:	-	n-octanol/water:	-
pH:	12	Flash point:	-
Boiling point:	100°C	Autoignition:	-
Melting point:	-	Explosive properties:	-
Vapour pressure (20°C):	-	Viscosity (40°C):	-
Density:	1 g/cm ³	Other data:	-

-: Means no data or not relevant

10. Stability and Reactivity:

Stable under normal conditions.

Emits toxic fumes in contact with acids.

11. Toxicological Information:

Inhalation:

If heated, irritating vapours can be formed. Sodium hypochlorite may cause an allergic reaction through inhalation.

Skin contact:

May cause irritation of the skin. May cause an allergic reaction in contact with skin.

Eye contact:

May cause irritation of the eyes.

Ingestion:

Ingestion may cause nausea, stomach pain and vomiting.

IARC:

Sodium hypochlorite is in Group 3: “not classifiable as to carcinogenicity to humans”.

12. Ecological Information:

There is no data available for the product itself. The product is soluble in water.
Do not allow to contaminate drains, sewers or water courses.
WGK (Germany): 2

13. Disposal Considerations:

EWC-code (European Waste Catalogue): 16 05 07
Abfallschlüsselnummern in Austria (ÖNORM S2100): 59305
Dispose of in accordance with Local Authority requirements.

14. Transport Information:

The product is not considered dangerous goods.

15. Regulatory Information:

An assessment by Radiometer Medical ApS on May 9, 2005 has shown that according to EEC regulations 67/548/EEC and 99/45/EEC the product is not liable to classification and labelling.

16. Other Information:

The given R-phrases in chapter 2 are to read as follows:

R31: Contact with acids liberates toxic gas
R34: Causes burns

The MSDS complies with the US ANSI Standard (ANSI 2400.1-1993) and the international standard (ISO 11014-1).

Based on:
Drawing No.: 22321-A4
Version No.: 10

Prepared by: Radiometer Medical ApS