

SAFETY DATA SHEET
Healon®, Healon® GV, Healon®5
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1. Identification of the substance and of the company

COMMON NAME: Sodium hyaluronate
(Active ingredient of Healon®, Healon® GV or Healon®5).

PRODUCT: Healon®, Healon® GV or Healon®5.

TRADE NAME: Healon®, Healon® GV or Healon®5.

CHEMICAL NAME: Hyaluronic acid sodium salt (Sodium hyaluronate) 1% - 2,3% dissolved in 0,145M NaCl and 0,002M sodium phosphate, pH 7,0 – 7,5.

SYNONYMS: Hyaluronic acid sodium salt, Sodium hyaluronate, Hyaluronan sodium salt.

FORMULA: $C_{14}H_{20}O_{11}NNa$

MOLECULAR WEIGHT: Approximately 4 000 000 – 5 000 000

CHEMICAL FAMILY: Polysaccharide (Glycosaminoglycan)

CAS NUMER: 9067-32-7

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2. Information on substance

PRINCIPAL HAZARDOUS COMPONENT(S)

None.

NON-HAZARDOUS COMPONENT(S)

The product contains hyaluronic acid sodium salt (Sodium hyaluronate) 1 – 2,3% dissolved in 0,145M NaCl and 0,002M sodium phosphate, pH 7,0 – 7,5.

APPEARANCE AND ODOR

Transparent, odorless viscous liquid.

3. Hazards information

HEALTH HAZARDS

The product contains hyaluronic acid sodium salt (Sodium hyaluronate) 1 – 2,3% dissolved in physiological phosphate-buffered saline solution (0,145M NaCl and 0,002M sodium phosphate, pH 7,0 – 7,5). Sodium hyaluronate is a non-hazardous polysaccharide present in the extra-cellular matrix of all tissues in vertebrates.

FIRE AND EXPLOSION HAZARDS

None.

ENVIRONMENTAL HAZARDS

None known.

4. First-aid measures

Inhalation: (Unlikely to occur as the products are highly viscous liquids).

Skin contact: Wash with water.

Eye contact: Rinse with water.

If the product(s) get in the eye, blurred vision may occur as a result of the viscous nature of the product(s).

Ingestion: Give water or milk to drink.

5. Fire-fighting measures

EXTINGUISHING MEDIA	Use suitable extinguishing media, as the product(s) themselves are highly viscous liquids and not able to catch fire.
SPECIAL FIRE-FIGHTING PROCEDURES	None.

6. Accidental release measures

STEPS TO BE TAKEN IN CASE MATERIALS IS SPILLED OR RELEASED	Spillage of the product(s) may result in a slippery surface, due to the viscous, lubricating character of the product(s).
CLEANING METHODS	Rinse with large amounts of water.

7. Handling and storage

HANDLING	Do not freeze.
STORAGE	Store at +2°C to +8°C.

8. Exposure controls/personal protection

PERSONAL MEANS OF PROTECTION	None.
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9. Physical and chemical properties

Appearance:	A transparent, odorless viscous liquid
pH:	7,0 – 7,5 (1 – 2,3% buffered solution)
Boiling point:	100°C
Freezing point:	0°C
Flash point:	Not applicable
Auto ignition temperature:	None
Explosive properties:	Not applicable
Oxidizing properties:	None
Vapor pressure at 21oC:	Not applicable
Vapor density:	Not applicable
Density:	1010 kg/m ³
Water solubility:	Freely soluble
Solubility in organic solvent:	Not applicable
Log P _{ow}	Unknown

10. Stability and reactivity

STABILITY	Stable
SENSITIVITY TO LIGHT	None
REACTIVITY	Not known to be reactive.

11. Toxicological information

ACUTE TOXICITY	No data available.
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12. Ecotoxicological information

ECOTOXICOLOGICAL DATA	No data available
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13. Disposal considerations

LEGISLATION

Observe all federal, state and local laws.

14. Transport information

ADR	Not restricted
DGR	Not restricted
IMDG	Not restricted


15. Regulatory information

COUNCIL DIRECTIVE of June 7 th 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labeling of dangerous preparations (88/379/EEC).	Symbol:	None
	Classification:	None
	R-phrases:	None
	S-phrases:	None

16. Other information

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Uppsala, September 28, 2004



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