SODIUM HYALURONATE, TECHNICAL GRADE

SAFETY DATA SHEET

ISSUE DATE: 26 May 2008
REVISION DATE: 1 December 2011

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 PRODUCT IDENTIFIER
Sodium hyaluronate, technical grade

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE AND USES ADVISED AGAINST
For laboratory research purposes
Do not use for any other purposes including, but not limited to, in vitro diagnostic purposes, in food, drugs, medical devices or cosmetics for human or animals or for commercial purposes.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET
Address: Contipro Biotech s.r.o., Dolní Dobrouè 401, 561 02 Dolní Dobrouè, Czech Republic
Telephone: +420 465 520 035
E-mail: sales@contipro.cz

1.4 EMERGENCY TELEPHONE NUMBER
Manufacturer (Reception): +420 465 519 530

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE
Not classified as dangerous according to the Regulation (EC) No 1272/2008

2.2 LABEL ELEMENTS: Not relevant

2.3 OTHER HAZARDS: None

Not identified as PBT or vPvB according to the Annex XIII of the Regulation (EC) No 1907/2006 as amended

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCE
Sodium hyaluronate (polysaccharide)
CAS number: 9067-32-7

3.2 MIXTURE: Not applicable

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES
4.1.1 Inhalation: If breathed in, move person to the fresh air. Seek medical attention.
Skin: After contact with skin wash with water and soap.
Eye: In case of contact with eyes, rinse immediately with plenty of water.
Ingestion: Seek medical attention in case of any sickness.
4.1.2 Not applicable

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS
No adverse effects supposed when in contact with skin, eyes or mucous membranes.

4.3 IDENTIFICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Not applicable

5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA: Water foam, water spray, dry chemicals, carbon dioxide

5.2 SPECIAL HAZADRS ARISING FROM THE MIXTURE: Combustion products include CO, CO_2

5.3 ADVICE FOR FIREFIGHTERS: Gas mask (CO)

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Avoid from contact with skin/eyes

6.2 ENVIRONMENTAL PRECAUTIONS: None

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: After spillage wash with 50 % ethanol or propanol

7. HANDLING AND STORAGE

7.1 PREACAUTIONS FOR SAFE HANDLING: Adhere to common safety measures. Do not use for any other purposes than permitted (laboratory research).

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILIES
Store in a dry place in originally sealed packaging. Storage temperature 2-8 °C. Short-term storage temperature up to 25 °C. Keep away from sunlight.

7.3 SPECIFIC END USE: Not specified. Research purposes

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS: No exposure limits

8.2 EXPOSURE CONTROLS
8.2.1 Not applicable
8.2.2 Individual protection measures, such as personal protective equipment:
Hygiene measures: Good industrial practice. Do not drink, eat or smoke while working
Eye/face protection: Use chemical safety goggles when necessary
Hand protection: Wear laboratory gloves
Skin protection: Wear casual working clothes
Respiratory protection: Not required
Thermal hazard: Not applicable
8.2.3 Environmental exposure controls: No special environmental precautions

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white or almost white powder, granules or fibrous aggregate
Odour:	odourless
Boiling point:	not applicable
pH:	5.0 - 8.5 for 0.5 % aqueous solution
Melting point/freezing point:	data not available
Flash point:	not applicable
Evaporation rate:	not applicable
Flammability (solid, gas):	hygroscopic, poorly flammable
Explosive limits:	none
Vapour pressure:	not applicable
Relative density:	not applicable
Solubility:	soluble in water and in a mixture of water and water-miscible organic solvents (e.g. ethanol, propanol) insoluble in fats and anhydrous organic solvents
Partition coefficient (n-octanol/water):	data not available
Auto-ignition temperature:	data not available
Decomposition temperature:	data not available - polysaccharide, decomposition rate increases with temperature significantly above 50 °C
Viscosity:	data not available
Explosive properties:	none
Oxidizing properties:	none

9.2 OTHER INFORMATION
Hygroscopic polysaccharide

10. STABILITY AND REACTIVITY

10.1 REACTIVITY: No hazardous reactions

10.2 CHEMICAL STABILITY: The product is stable under the appropriate storage conditions

10.3 POSSIBILITY OF HAZARDOUS CHEMICAL REACTION: Not known

10.4 CONDITIONS TO AVOID: Direct sunlight, temperatures above 50 °C

10.5 INCOMPATIBLE MATERIALS: Oxidising agents

10.6 HAZARDOUS DECOMPOSITION PRODUCTS: Unidentified organic compounds

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

11.1.1 SUBSTANCES

Acute toxicity:	non-toxic
Skin irritation:	non-irritating
Eye irritation:	non-irritating
Respiratory or skin sensitisation:	non-sensitising
Germ cell mutagenity:	non-mutagenic
Carcinogenicity:	non-carinogenic
Reproductive toxicity:	non-toxic for reproduction
STOT-SE/STOT-RE:	data not available
Aspiration hazard:	not applicable

IARC: Not identified as carcinogenic.

POTENTIAL HEALTH EFFECTS: No toxic properties have been detected

12. ECOLOGICAL INFORMATION

12.1 TOXICITY: No negative effect

12.2 PERSISTENCE AND DEGRADABILITY: Fully biodegradable

12.3 BIOACCUMULATIVE POTENTIAL: Does not accumulate in living organisms

12.4 MOBILITY IN SOIL: Not applicable

12.5 RESULTS OF PBT AND VPVB ASSESSMENT: Not PBT or vPvB

12.6 OTHER ADVERSE EFFECTS: None

13. DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

Waste must be disposed of in accordance with the local, regional and national environmental regulations.
Not dangerous waste

14. TRANSPORT INFORMATION

Not dangerous goods

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP/EU-GHS)

15.2 CHEMICAL SAFETY ASSESSMENT

Not classified as a dangerous substance or mixture according to the CLP/EU-GHS.

16. OTHER INFORMATION

16.1 EXPLANATORY NOTES

STOT	specific target organ toxicity
SE	single exposure
RE	repeated exposure
IARC	International Agency for Research on Cancer
PBT	persistent, bio-accumulative, toxic for reproduction
vPvB	very persistent, very bio-accumulative

16.2 REVISIONS

Revision 01: editorial changes, structure modified according to the Reg. (EC) No 1907/2006 requirements

Revision 02: editorial changes, change in the name of the manufacturer, design changes