

## Material Safety Data Sheet

## Low Molecular Weight Sodium Hyaluronate (HA-TLM)

<b>SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>	
<b>1.1. Product identifier</b>	
Product Name :	Low Molecular Weight Sodium Hyaluronate (HA-TLM)
Synonyms, Trade Names:	Hybloom™
CAS-No:	9067-32-7
<b>SECTION 2: HAZARDS IDENTIFICATION</b>	
<b>2.1. Classification of the substance or mixture</b>	
Classification (CLP): The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).	
<b>2.2. Label elements</b>	
Label elements (CLP): The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).	
<b>2.3. Other hazards</b>	
None.	
<b>SECTION 3.COMPOSITION / INFORMATION ON INGREDIENTS</b>	
<b>3.1 Substances</b>	
COMPONENTS	Sodium Hyaluronate
INCI Name	SODIUM HYALURONATE
CAS NO.	9067-32-7
EINECS/ELINCS No.	—
MOLECULAR WEIGHT	(C <sub>14</sub> H <sub>20</sub> NO <sub>11</sub> Na) <sub>n</sub> (401.3) <sub>n</sub>
<b>SECTION 4: FIRST AID MEASURES</b>	
<b>4.1. Description of first aid measures</b> No particular precautions.	
<b>4.2. Most important symptoms and effects, both acute and delayed</b> No particular precautions.	
<b>4.3. Indication of any immediate medical attention and special treatment needed</b> No particular precautions.	
<b>SECTION 5: FIREFIGHTING MEASURES</b>	
<b>5.1. Extinguishing media</b>	
Water, foam, CO <sub>2</sub> .	
<b>5.2. Special hazards arising from the substance or mixture</b>	
None.	
<b>5.3. Advice for firefighters</b>	

None.	
<b><u>SECTION 6: ACCIDENTAL RELEASE MEASURES</u></b>	
<b><u>6.1. Personal precautions, protective equipment and emergency procedures</u></b>	
General Information	No particular precautions necessary.
EYE CONTACT	Do not cause irritation.
SKIN CONTACT	No particular precautions necessary.
INHALATION	No particular precautions necessary.
INJECTION	No particular precautions necessary.
<b><u>6.2. Environmental precautions</u></b> None.	
<b><u>6.3. Methods and material for containment and cleaning up</u></b>	
Sweep or Vacuum. Note that an extreme slip hazard can develop if material spilled on the floor becomes wet.	
<b><u>6.4. Reference to other sections</u></b>	
<b><u>SECTION 7: HANDLING AND STORAGE</u></b>	
<b><u>7.1. Precautions for safe handling</u></b>	
No particular precautions necessary.	
<b><u>7.2. Conditions for safe storage, including any incompatibilities</u></b>	
Kept airtight, 2~10 °C, 36 months. Kept airtight in room temperature, 6 months.	
<b><u>7.3. Specific end use(s)</u></b>	
<b><u>SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION</u></b>	
<b><u>8.1. Control parameters</u></b>	
<b><u>8.2. Exposure controls</u></b>	
Respiratory Protection	A dust respirator should be worn if dust becomes annoying.
Protective Gloves	Not necessary.
Eye Protection	Not necessary.
<b><u>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</u></b>	
<b><u>9.1. Information on basic physical and chemical properties</u></b>	
Appearance	White powder or granules almost taste-less and odor-less.
Solubility	Soluble in water forming a viscous solution.
Boiling Point	None volatile.
Flash Point	None.
Melting Point	None.
Flammability	None.
Explosive Characteristics	None.
<b><u>9.2. Other information</u></b>	
<b><u>SECTION 10: STABILITY AND REACTIVITY</u></b>	
<b><u>10.1. Reactivity</u></b>	
<b><u>10.2. Chemical stability</u></b> It is degraded under the condition of strong acid or strong alkali.	
<b><u>10.3. Possibility of hazardous reactions</u></b>	
Will not occur.	
<b><u>10.4. Conditions to avoid</u></b>	

High temperature and a high level of humidity.	
<b><u>10.5. Incompatible materials</u></b>	
Strong oxidizing agents.	
<b><u>10.6. Hazardous decomposition products</u></b>	
<b><u>SECTION 11: TOXICOLOGICAL INFORMATION</u></b>	
<b><u>11.1. Information on toxicological effects</u></b>	
Acute Oral Toxicity	LD <sub>50</sub> >5000mg/kg, no toxicity
<b><u>SECTION 12: ECOLOGICAL INFORMATION</u></b>	
<b><u>12.1. Toxicity</u></b> None.	
<b><u>12.2. Persistence and degradability</u></b> It is biodegradable.	
<b><u>12.3. Bioaccumulative potential</u></b>	
<b><u>12.4. Mobility in soil</u></b>	
<b><u>12.5. Results of PBT and vPvB assessment</u></b>	
<b><u>12.6. Other adverse effects</u></b>	
<b><u>SECTION 13: DISPOSAL CONSIDERATIONS</u></b>	
<b><u>13.1. Waste treatment methods</u></b>	
Waste material disposal under observation of national or regional law.	
<b><u>SECTION 14: TRANSPORT INFORMATION</u></b>	
<b><u>14.1. UN number</u></b> None.	
<b><u>14.2. UN Proper shipping name</u></b>	
<b><u>14.3. Transport hazard class(es)</u></b>	
It is not a hazard product. No special measures have to be taken for transportation.	
<b><u>14.4. Packing group</u></b>	
<b><u>14.5. Environmental hazards</u></b> None.	
<b><u>14.6. Special precautions for user</u></b> None.	
<b><u>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</u></b>	
<b><u>SECTION 15: REGULATORY INFORMATION</u></b>	
<b><u>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</u></b>	
Mandatory labeling of hazardous preparation: Not necessary.	
The regulatory information given in this document only indicates regulations applicable to the product described in the Safety Data Sheet.	
<b><u>15.2. Chemical Safety Assessment</u></b>	
<b><u>SECTION 16: OTHER INFORMATION</u></b>	
Risk Phrases in Full	
NC	Not classified
Hazard Statements in Full	