

Synvisc

Preparation Date 26-Sep-2007

Revision Date Not applicable

Revision Number Not applicable

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name** Synvisc  
**Common Name** Not available  
**Chemical Name** Not applicable  
**Synonyms** HYLAN G-F 20, Hyaluronic acid, WABPB400  
**Product Use** Pharmaceutical product  
**Classification** Cartilaginous Defect Repair Agent

**Supplier** Wyeth  
P.O. Box 8299  
Philadelphia, PA 19101 USA.  
Telephone: 1-610-688-4400

**Emergency Telephone Number** Chemtrec USA, Puerto Rico, Canada 1-800-424-9300  
Chemtrec International 1-703-527-3887

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS-No	EC No.	Composition	Classification
Hylan Polymers (HYLAN A & HYLAN B)	None Assigned	Not assigned	0.8 %	None assigned
Water	7732-18-5	231-791-2	99.2 %	None assigned

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

This contains an active pharmaceutical ingredient that can affect body functions; handle with caution.

**Appearance** Pharmaceutical Liquid

**Physical State** Liquid

**Odor** Not available

**Potential Physical Hazards** None known

#### Potential Health Effects

**Eyes** May cause eye irritation  
**Skin** None known  
**Inhalation** None known  
**Ingestion** None known  
**Therapeutic Target Organ(s)** Musculoskeletal system

Not listed by OSHA, NTP or IARC.

#### Potential Environmental Effects

There is no known ecological information for this product.

#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice.
<b>Skin Contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.
<b>Ingestion</b>	If symptoms persist, call a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	None known
<b>Extinguishing Media</b>	
<b>Suitable Extinguishing Media</b>	Use water spray, foam, dry chemical or carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	Do NOT use water jet.
<b>Fire Fighting</b>	Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with water spray. In the event of fire and/or explosion do not breathe fumes.
<b>Hazardous Combustion Products</b>	Carbon oxides, nitrogen oxides.
<b>Protective Equipment and Precautions for Firefighters</b>	In the event of fire, wear self-contained breathing apparatus and special protective equipment for fire fighters.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Refer to protective measures listed in Sections 7 and 8.
<b>Environmental Precautions</b>	Prevent product from entering drains. Local authorities should be advised if a significant spill cannot be contained.
<b>Methods for Containment</b>	Not available
<b>Methods for Cleaning up</b>	Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Avoid formation of dust and aerosols.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	For personal protection see Section 8. Handle in accordance with good industrial hygiene and safety practice. Skin should be washed after contact. Avoid formation of dust and aerosols.
<b>Storage</b>	No special safety precautions required. Keep container tightly closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Risk Based Exposure Control Classification</b>	1
<b>Engineering Controls</b>	Apply technical measures to comply with the occupational exposure guideline. Local exhaust ventilation is needed for limited open handling or where aerosols may be generated.
<b>Personal Protective Equipment</b>	
<b>Eye/face Protection</b>	Avoid contact with skin and eyes. Provide eye protection based on a risk assessment.
<b>Skin Protection</b>	For prolonged or repeated exposure use protective gloves. No special protective clothing required under typical conditions of use.
<b>Respiratory Protection</b>	No personal respiratory protective equipment normally required.
<b>General Hygiene Considerations</b>	When using, do not eat, drink or smoke. General industrial hygiene practice. Wash hands before breaks and at the end of workday.
<b>Other</b>	Limit access to only personnel trained in the safe handling of this material. Consult a health and safety professional for specific PPE, respirator, and risk assessment guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Pharmaceutical Liquid	<b>Physical State</b>	Liquid
<b>Color</b>	Not available	<b>Odor</b>	Not available
<b>Odor Threshold</b>	Not available		
<b>pH</b>	6.9-7.5		
<b>Specific Gravity</b>	1.0	<b>Water Solubility</b>	Soluble
<b>Solubility</b>	Not applicable	<b>Evaporation Rate</b>	1
<b>Partition Coefficient (n-octanol/water)</b>	Not available	<b>Vapor Pressure</b>	17.5 mmHg @20 C
<b>Boiling Point</b>	100°C	<b>Autoignition Temperature</b>	Not applicable
<b>Flash Point</b>	Not applicable	<b>Melting Point</b>	Not applicable
<b>Flammability Limits in Air</b>	<b>Upper</b> Not applicable	<b>Lower</b> Not applicable	
<b>Explosion Limits</b>	<b>Upper</b> Not applicable	<b>Lower</b> Not applicable	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable at room temperature.
<b>Conditions to Avoid</b>	No data available
<b>Materials to Avoid</b>	No materials to be especially mentioned.
<b>Hazardous Decomposition Products</b>	None under normal use.
<b>Possibility of Hazardous Reactions</b>	None under normal use.

## 11. TOXICOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

### Acute Toxicity

Multiple Dose ToxicityMaximum Tolerated Dose (MTD), Oral**12. ECOLOGICAL INFORMATION**Chemical Fate Information Not availableEcotoxicity Not available**13. DISPOSAL CONSIDERATIONS**Waste Disposal Method Dispose of in accordance with local and national regulations.**14. TRANSPORT INFORMATION**Transport Information This material is not classified as hazardous for transport.**15. REGULATORY INFORMATION**

According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

**16. OTHER INFORMATION**

Prepared By Wyeth Department of Environment, Health & Safety  
Format This MSDS was prepared in accordance with Directive 2001/58/EC.  
List of References MDL MSDS March 18, 2002  
Revision Summary Not applicable

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**End of MSDS**