

KIND & KNOX GELATINE, INC.

Manufacturer
 P.O. Box 927
 Address
 Sioux City, IA 51102
 712-943-5516, 800-223-9244
 Phone Number (For Information)
 Emergency Phone Number Telex*

Identity (Trade Name As Used On Label)

MSDS Number*
 9000-70-8
 CAS Number*
 July 29, 1991
 Date Prepared
 T. Keenan
 Prepared By*

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS — Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	OTHER LIMITS RECOMMENDED
Gelatin is not considered to be hazardous under Federal Hazard Communications Standard (29CFR 910-1200). Gelatin is a food; is Regarded as Safe (GRAS).			
Non-Hazardous Ingredients	Gelatin	100	
TOTAL		100	

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	Decomposes above 100°C;	Specific Gravity (H ₂ O = 1)	1.2
Point	Complete combustion above 500°C	Melting Point	
Vapor Pressure (mm Hg and Temperature)		Evaporation Rate (— 1)	
Vapor Density (Air = 1)		Water Reactive	
Solubility in Water	Swells in cold; Soluble on warming to more than 35°C		
Appearance and Odor	Amber in color		

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	Non-Flammable	Auto-ignition Temperature	Flammability Limits in Air % by Volume	LEL	UEL
Extinguisher Media	Standard agents: water fog, foam, alcohol foam, CO ₂ ; dry chemical				
Special Fire Fighting Procedures	None				
Unusual Fire and Explosion Hazards	Explosion characteristics: None				
	Explosion sensitivity: Less than 0.2				
	Explosion severity: Less than 0.5				

*Optional

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid
Incompatibility (Materials to Avoid)	Strong oxidizing agents
Hazardous Decomposition Products	None known
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	<input type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Not Hazardous	CARCINOGEN LISTED IN	<input type="checkbox"/> NTP <input checked="" type="checkbox"/> IARC Monograph	<input type="checkbox"/> OSHA <input checked="" type="checkbox"/> Not Listed
HEALTH HAZARDS	Acute Not applicable				
	Chronic Not applicable				
Signs and Symptoms of Exposure	None known				

Eye Contact	Not applicable
Skin Contact	Not applicable
Inhalation	Not applicable
Ingestion	Not applicable

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	None required		
Protective Gloves	None required	Eye Protection	None required
VENTILATION TO BE USED	<input type="checkbox"/> Local Exhaust <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Mechanical (general)	<input checked="" type="checkbox"/> Special
Other Protective Clothing and Equipment	None required		
Hygienic Work Practices	Good Manufacturing Practice		

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material Is Spilled Or Released	Sweep up
Waste Disposal Methods	Non-hazardous; bio-degradable
Precautions to be Taken in Handling and Storage	To preserve the integrity of the product, do not store exposed to excessive heat or in contact with water.
Other Precautions and/or Special Hazards	None known

NFPA Rating* Health <u>0</u> Flammability <u>0</u> Reactivity <u>0</u> Special	HMS Rating* Health <u>0</u> Flammability <u>0</u> Reactivity <u>0</u> Personal Protection <u>X</u>
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