

IMPORTANT
MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
 OSHA requires that this form be kept on file.

Product No. SA9536 M

Product Name GELATIN

UNIDENTIFIED 000-4433000

EXTERIOR	PLASTICS	Health Hazard	0
3 SEVERE	PAINTS	Flammability	1
2 MODERATE	ADHESIVES	Reactivity	0
1 SLIGHT	COATINGS		
0 MINIMAL			

Chemical Synonyms	N/A
Formula	See Section II
C.A.S. No.	9000-70-8

Principal Hazardous Component(s)
 Protein/Gelatin C.A.S. #9000-70-8
 Nuisance dust limits apply: 15 mg/m³, 10 mg/m³ total dust

This product is not believed to be a hazardous material.
 It is recommended that protection for dusty material be utilized.

* chemical subject to the reporting requirements of SARA Title III.

Melting Point (°F)	N/A	Specific Gravity (H ₂ O=1)	N/A
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete		
Appearance & Odor	Dry free flowing powder or clear amber solution, slight protein (boiloff) odor.		
Flash Point (Method Used)	Nonflammable	Flammable Limits in Air % by Volume	Lower N/A Upper N/A
Extinguisher Media	Water spray or standard firefighting agents suitable to extinguish the supporting flame.		

Special Firefighting Procedures
 Wear self-contained breathing apparatus for any chemical fire.

Unusual Fire and Explosion Hazards

This material may present an explosion hazard if excessive dust levels are generated during handling.

DEC 14 1995

D.O.T. Not Regulated

Approved by ILS Department of Labor, Washington, D.C. Form OSHA 308

See Section II

Effects of Overexposure
 None Established

SBI4330 Nasco Intermediate Sc Kit GR 4-9

Emergency and First Aid Procedures
 Remove to fresh air.

Stability	Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Conditions to Avoid	N/A
Incompatibility (Materials to Avoid)	None known.		
Hazardous Decomposition Products	None known.		
Hazardous Polymerization	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid	N/A

Steps to be Taken in Case Material is Released or Spilled
 Use housekeeping procedures used for good warehouse sanitation procedures. Use absorbent material.

Waste Disposal Method
 Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of cutting saws and Normal dry product removal procedures. Comply with all applicable federal, state and local regulator

Respiration Protection (Specify Type)	NIOSH approved dust mask.		
Ventilation	Local Exhaust	Mechanical (General)	Special
Protective Gloves	Cotton or rubber		
Other Protective Equipment	Lab coat and eye wash station.	Eye Protection	Safety glasses

Precautions to be Taken in Handling & Storing
 Keep container tightly closed when not in use.
 Adequate ventilation if dumping powder. Keep dry in storage. Normal dry storage.

Other Precautions
 Read label on container before using. Do not wear contact lenses when working with chemicals.
 None

Approved by Steven C. Quandt Effective Date 10/1/95
 For Laboratory use only. Not for household use. Keep out of reach of children.
 The information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them.

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SB 16982M

Material Safety Data Sheet: Citric Ac

Universe of Science 6079 Brushy Mountain Rd. Moravian Falls, NC 28654 (910) 667-9388		Material Safety Data MSDS # 1776-2 EMERGENCY ASSISTANC CHEMTREC 800-424-9									
Chemical Name & Synonyms citric acid, anhydrous		Hazard Rating <table border="1"> <tr> <td>Health</td> <td>0</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>		Health	0	Fire	1	Reactivity	0		
Health	0										
Fire	1										
Reactivity	0										
Formula C ₆ H ₈ O ₇		<table border="1"> <tr> <td>Least</td> <td>Slight</td> <td>Moderate</td> <td>High</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> </tr> </table>		Least	Slight	Moderate	High	0	1	2	3
Least	Slight			Moderate	High						
0	1			2	3						
Unit Size 1 ounce											
CAS No. 5959-29-1											
Health Hazards Not considered hazardous. May be skin or eye irritant to some people.											
Physical Data White solid. Odorless. Soluble in water. Melting point = 153 °C Specific gravity = 1.54											
Incompatibility (Materials to avoid) Strong oxidizing and reducing agents. Bases.			D.O.T. Not regula								
Conditions to avoid			Reactivity Stable								
Fire Hazards Not flammable but will burn when exposed to heat or flame. Extinguish with water or dry chemical extinguisher.											
Spills and Leaks Scoop up and use disposal method.		Disposal Method Flush to sewer with large amounts of water.									
Special Precautions None needed. Prudent laboratory practices should be observed											
First Aid Wash with large amounts of water. Eye contact: Wash with water for 15 minutes. See a physician.											

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Vendor # 020843