



## **Material Safety Data Sheet**

NFPA	HMIS	Personal Protective Equipment
10	Health Hazard  Fire Hazard  Reactivity	
		See Section 15.

Section 1. Chemical Product and Company Identification			Page Number: 1	
Common Name/ Trade Name	Niacinamide ascorbate	Catalog Number(s).	N1012	
		CAS#	1987-71-9	
Manufacturer	SPECTRUM LABORATORY PRODUCTS INC.	RTECS	Not applicable.	
	14422 S. SAN PEDRO STREET GARDENA, CA 90248	TSCA	TSCA 8(b) inventory: No products were found. Niacinamide Assorbate (CAS	
			no. 1987-71-9 )itself is not listed on the TSCA 8(b) inventory. However, its components with CAS numbers 50-81-7and 98-92-0 are listed on the TSCA 8(b) inventory.	
Commercial Name(s)	Merpress; Nicastubin; Nucastubine; Nicoscorbine	<b>CI#</b>	Not available.	
Synonym	An Ascorbic Acid, Niacinamide Complex; L-Ascorbic acid, mixt. with nicotinamide; Nicotinamide ascorbate; Nicotinamide, L-ascorbate; Vitamin C-nicotinamide mixt.; 3-Pyridinecarboxamide, mixt. contg.; Ascorbic acid nicotinamide complex		IN CASE OF EMERGENCY CHEMIREC (24hr) 800-424-9300	
<b>Chemical Name</b>	L-Ascorbic acid, mixt. with 3-pyridinecarboxamide			
Chemical Family	hemical Family Not available.		CALL (310) 516-8000	
Chemical Formula	Not applicable.			
Supplier	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	-		

			Exposure Limits		
Name	CAS#	TWA (mg/m³)	STEL (mg/m³)	CEIL (mg/m³)	% by Weight
Ascorbic acid     Niacinamide	50-81-7 98-92-0				73.5-75.5 24.5-26.5

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Section 3. Hazards Identification		
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.	
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available.  MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. [Ascorbic acid]. Mutagenic for bacteria and/or yeast. [Niacinamide].  TERATOGENIC EFFECTS: Not available.  DEVELOPMENTAL TOXICITY: Not available.  Repeated or prolonged exposure is not known to aggravate medical condition.	

Section 4. First Aid	Measures	
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.	
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.	
Serious Skin Contact	Not available.	
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.	
Serious Inhalation	Not available.	
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight dothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.	
Serious Ingestion	Not available.	

Section 5. Fire and Explosion Data			
<b>Flammability of the Product</b>	May be combustible at high temperature.		
<b>Auto-Ignition Temperature</b>	The lowest known value is 660℃ (1220年) (Ascorbic acid).		
<b>Flash Points</b>	Not available.		
Flammable Limits	Not available.		
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2).		
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames and sparks, of heat.  Non-flammable in presence of shocks.		
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.		
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder.  LARGE FIRE: Use water spray, fog or foam. Do not use water jet.		
Special Remarks on Fire Hazards	Material in powder form, capable of creating a dust explosion. As with most organic solids, fire is possible at elevated temperatures		
Special Remarks on Explosion Hazards	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.		

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Section 6. Accidental Release Measures		
Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.	
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.	

Section 7. Handling and Storage		
Precautions	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.	
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Oxygen Sensitive Sensitive to light. Store in light-resistant containers.	

Section 8. Exposure Controls/Personal Protection		
<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.	
<b>Personal Protection</b>	Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	
<b>Exposure Limits</b>	Not available.	

Physical state and	Solid. (Crystalline powde)	Odor	Odorless.	
appearance	Net and Carleta	Taste	Not available.	
Molecular Weight	Not applicable.	Color	Color Lemon Yellow.	
pH (1% soln/water)	Not available.	Color	Color Lemon Tenow.	
<b>Boiling Point</b>	Not available.			
Melting Point	141℃ (285.8℉) - 145 C.			
Critical Temperature	The lowest known value is 509.85℃ (949.7℉) (Ascor bic acid).			
Specific Gravity	Weighted average: 1.58 (Water = 1)			
Vapor Pressure	Not applicable.			
Vapor Density	Not available.			
Volatility	Not available.			
Odor Threshold	Not available.			
Water/Oil Dist. Coeff.	The product is equally soluble in oil and water.			
Ionicity (in Water)	Not available.			
Dispersion Properties	See solubility in water, diethyl ether, n-c	octanol.		

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Solubility	Soluble in cold water, hot water, n-octanol. Slightly soluble in diethyl ether. Solubility in Water. 285000 mg/l water or 1 g/3.5 ml water. Solubility in Alcohol: 1 g/20 ml alcohol. Very slightly soluble in chloroform. Sparingly soluble in Glycerine. Virtually insoluble in Benzene.	

Section 10. Stability and Reactivity Data				
Stability	The product is stable.			
<b>Instability Temperature</b>	Not available.			
<b>Conditions of Instability</b>	Excess heat, incompatible materials, air, oxygen, dust generation.			
Incompatibility with various substances	Reactive with oxidizing agents, metals, acids, alkalis.			
Corrosivity	Non-corrosive in presence of glass.			
Special Remarks on Reactivity	Sensitive to light. Sensitive to Oxygen. Air sensitive. It may gradually darken upon exposure to air.			
Special Remarks on Corrosivity	Not available.			
Polymerization	Will not occur.			

Section 11. Toxicological Information			
<b>Routes of Entry</b>	Inhalation. Ingestion.		
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 2500 mg/kg [Rat].		
Chronic Effects on Humans	MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. [Ascorbic acid]. Mutagenic for bacteria and/or yeast. [Nacinamide].		
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.		
Special Remarks on Toxicity to Animals	Not available.		
Special Remarks on Chronic Effects on Humans	May affect genetic material (mutagenic). May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data. Human: passes through the placenta, excreted in maternal milk (Ascorbic acid)		
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects Skin: May cause skin irritation. Eyes May cause eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: Ingestion of small amounts during normal industrial handling is a low hazard. Ingestion of large amounts may cause gastrointestinal tract irritation, hypermotility, diarrhea, acidification of the urine which may cause stones in the urinary tract and may cause renal failure . May also affect behavior (psychomotor coordination, somnolence), eyes(lacrimation), blood (anemia). Chronic Potential Health Effects Ingestion: Prolonged or repeated ingestion may affect the blood/bone marrow and cause weight loss		

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Section 12. Ecological Information		
Ecotoxicity	Not available.	
BOD5 and COD	Not available.	
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.	
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.	
Special Remarks on the Products of Biodegradation	Not available.	

## Section 13. Disposal Considerations

Waste Disposal Waste must be disposed of in accordance with federal, state and local environmental control

regulations.

Section 14. Transport Information			
DOT Classification	Not a DOT controlled material (United States).		
Identification	Not applicable.		
Special Provisions for Transport	Not applicable.		
DOT (Pictograms)			

Section 15. Other Re	gulatory Information and Pictograms	
Federal and State Regulations	No products were found.	
California Proposition 65 Warnings	California prop. 65. This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.  Colifornia prop. 65: This product, contains the following ingredients for which the State of Colifornia has found to	
,, armings	California prop. 65: This product contains the following ingredients for which the State of California has found t cause birth defects which would require a warning under the statute: No products were found.	
Other Regulations	For CAS no. 1987-71-9: EINECS: This product is not on the European Inventory of Existing Commercial Chemical Substances. Canada: Not listed on Canadian Domestic Substance List (DSL) or Canadian Non- Domestic Substance List (NDSL). China: Not listed on National Inventory. Japan: Not listed on National Inventory (ENCS). Korea: Not listed on National Inventory (KECI). Philippines: Not listed on National Inventory (PICCS). Australia: Not listed on AICS.	
Other Classifications	WHMIS (Canada) Not controlled under WHMIS (Canada).	
	DSCL (EEC) This product is not classified according Not applicable. to the EU regulations	
HMIS (U.S.A.)	Health Hazard  Fire Hazard  Reactivity  Personal Protection  Flammability  Reactivity  Specific hazard	

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WHMIS (Canada) (Pictograms)		
DSCL (Europe) (Pictograms)		
TDG (Canada) (Pictograms)		
ADR (Furope) (Pictograms)		
Protective Equipment	Cloves  Lab coat.  Dust respirator. Be sure to use an approved/certified respirator or equivalent.  Safety glasses.	
Section 16. Other	Information	
MSDS Code	N3192	
References	Not available.	
Other Special	Major Uses: Nutrient; dietary supplement, assorbic acid source, nicotinamide source in multivitamin p	oreparations.

MSDS Code	N3192		
References	Not available.		
Other Special Considerations	Major Uses Nutrient; dietary supplement, assorbic acid source, nicotinamide source in multivitamin preparations.		
Validated by Sonia Owen on 5/4/2009.		Verified by Sonia Owen. Printed 5/6/2009.	
CALL (310) 516-80	00	•	

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Notice to Reader

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All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.