

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 2 Flammability = 1 Reactivity = 0
HMIS RATING: Health = /2 Flammability = 1 Reactivity = 0

SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION (543N-02A)

Distributor's Name: Rose Products & Services Inc. **Product Name:** ROSE QUEST PLUS #3
Address: 545 Stimmel Road **Date Prepared:** March 6, 2008
 Columbus, OH 43223 **Prepared by:** Regulatory Affairs Department

Emergency Telephone No.: (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.) **Other information calls:** (816) 233-1321 (Ext. 8285).

SECTION II -- INGREDIENTS/IDENTITY INFORMATION

Components

(Specific Chemical Identity: Common Name(s))	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Isopropyl alcohol *	67-63-0	400 ppm	400 ppm	N/A	1-3
Water	7732-18-5	none	none	N/A	---
Glycine, n,n'-1,2-ethanediylbis [n-(carboxymethyl)-tetrasodium salt	64-02-8	none	none	N/A	---
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	none	none	N/A	---
Carbonic acid, disodium salt	497-19-8	none	none	N/A	---
Nonyl phenol ethoxylate	9016-45-9	none	none	N/A	---
Fragrance and organic dye	Proprietary	none	none	N/A	---

* This product contains the following chemicals subject to the reporting requirements of SARA Title III, Sec. 313, and 40 CFR Part 372: Isopropyl alcohol.

VOC (Concentrate) = 5.5%; VOC (Diluted 1:5) = 0.92%

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	207°F	Specific Gravity (H₂O = 1):	25°C = 1.04 & 39°C 1.04
Vapor Pressure (mm Hg.):	17.6	Percent Volatile by Volume (%):	90.1
Vapor Density (AIR = 1):	0.85	Evaporation Rate (ethyl ether = 1):	Slower than ethyl ether 1
Solubility in Water:	complete	Appearance and Odor:	Clear green, liquid with floral odor
pH (concentrate):	11.9		

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: 130°F **Flammable Limits:** LEL = N/A UEL = N/A

Extinguishing Media: Water, dry chemical, carbon dioxide, foam.

Special Fire Fighting Procedures: Wear protective clothing and self-contained breathing apparatus with full facepiece operated in a positive-pressure demand mode. Cool containers with water to prevent rupture.

Unusual Fire and Explosion Hazards: None known.

SECTION V -- PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** N/A

Incompatibility (Materials to Avoid): Strong oxidizing or reducing agents. Mix only with water; do not mix with any other material.

Hazardous Decomposition Products or Byproducts: Possible oxides of carbon or nitrogen, ammonia, and chloride compounds in a fire.

Hazardous Polymerization: N/A **Conditions to Avoid:** None.

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Ingestion? Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Corrosive to all body tissue. Do not get in eyes, on skin or clothing. 2. None known to manufacturer.

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No **I.A.R.C. Monographs =** No **OSHA =** No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

Signs and Symptoms of Exposure:

Eyes: Irritation, burning, pain, redness. **Skin:** Irritation, burning, dermatitis. **Inhalation:** Coughing, wheezing, dizziness, weakness, nausea, headache. **Ingestion:** Gastrointestinal distress, nausea, diarrhea, vomiting.

Medical Conditions Generally Aggravated by Exposure: Prolonged exposure may aggravate dermatitis.

Emergency and First Aid Procedures: In case of contact, immediately flush eyes or skin with plenty of water for 15 minutes while removing contaminated clothing and shoes; remove contact lenses the flush eyes with water again. GET MEDICAL ATTENTION IMMEDIATELY. Wash clothing and thoroughly clean contaminated shoes before reuse. If swallowed, do not induce vomiting; immediately give large amounts of water and CALL A PHYSICIAN, hospital emergency room or poison control center. Inhalation – remove victim to fresh air; if respiratory tract remains irritated call a physician.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Observe precautions listed in other sections. Isolate leaking containers. Dike area and recover by using absorbent or by mechanical means. Flush area with water and recover rinsate.

Waste Disposal Method: Dispose of in accordance with federal, state and local regulations.

Precautions To Be Taken In Handling And Storing: Do not contaminate water, food or feed by storage or disposal. Store in a dry place no lower in temperature than 50°F or higher than 120°F. Keep out of reach of children.

Other Precautions: Do not reuse empty container. Triple rinse empty container with water. Offer empty plastic containers for recycling if available. Refer to label for additional information.

SECTION VIII -- CONTROL MEASURES

Respiratory Protection (Specify Type): Do not apply with fine fog mist. If vapor or mist cannot be controlled by ventilation, wear a NIOSH/MSHA approved respirator.

Ventilation: USE WITH ADEQUATE VENTILATION. Avoid breathing of vapors or spray mist. Open windows and door use exhaust fans or other means to insure fresh air entry during application and drying. Refer to OSHA STANDARD 29 CFR 1910.94 FOR TECHNICAL GUIDELINES ON KEEPING AIR CONTAMINATION BELOW APPLICABLE LIMITS.

Local Exhaust = Recommended **Mechanical (General)** = Recommended **Special** = N.A.

Other = N.A.

Protective Gloves: Impervious gloves. **Eye Protection:** Splash goggles where eye contact is likely.

Other Protective Clothing or Equipment: Protective clothing.

Work/Hygienic Practices: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling; wash clothing before reuse.

SECTION IX - TRANSPORTATION INFORMATION

DOT SHIPPING DESCRIPTION ON BILL OF LADING:

(Gallon boxes) = Consumer Commodity ORM-D

Package Marking = Consumer Commodity ORM-D

Package Label = none Hazard Class = none Package Group = NA

EPA Hazardous waste number/code: not listed

Hazardous waste characteristics: Ignitability = applicable; Corrosivity = not applicable; Reactivity = not applicable

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