Material Safety Data Sheet (SW2)

IDENTITY *(As Used on Label and List)*
Safeway Preserved Fetal Pigs

Section I

Manufacturer's Name RANACO CORPORATION	**Emergency Telephone Number** 24HR Assistance CHEMTREC: 1-800-424-9300
Address *(Number, Street, City, State, and ZIP Code)* 4345 E. Irvington Road Tucson, AZ 85714	**Telephone Number for Information** 1-520-790-7737 (Arizona Time 8am-5pm)
	Date Prepared June 4, 2013
	Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Optional
Glutaraldehyde, (Pentanedial)	111-30-8	Not Established	C 0.05PPM	None Recommended	<1
Propylene Glycol	57-55-6	Not Established	Not Established	None Recommended	10
Ethylene Glycol Phenyl Ether	122-99-4	Not Established	Not Established	None Recommended	1
Diethylene Glycol Phenyl Ether	104-68-7	Not Established	Not Established	None Recommended	0.01

Section III – Physical/Chemical Characteristics

Boiling Point	100º C	**Specific Gravity (H_2O = 1)**	1
Vapor Pressure (mm Hg.) (MM Hg./20ºC)	30	**Melting Point**	NA
Vapor Density (AIR = 1)	>4	**Evaporation Rate** **Butyl Acetate = 1**	0.84

Solubility in Water
Complete

Appearance and Odor
Clear liquid; Aldehyde odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Glycol Ether Phenyl Ether = 172 Propylene Glycol = 218		Propylene Glycol: 2.6	Propylene Glycol: 12.5

Extinguishing Media
If water is evaporated, material can burn. Use carbon dioxide or dry chemical extinguisher for fire.

Special Fire Fighting Procedures
Firefighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

Unusual Fire and Explosive Hazards
None specified.

Section V – Reactivity Data

Stability	**Unstable**		**Conditions to Avoid**
	Stable	**X**	Avoid high temperatures above 200º F and removal of water.

Incompatibility *(Materials to Avoid)*
Acids, alkalis and oxidizing materials.

Hazardous Decomposition or Byproducts
None specified.

Hazardous Polymerization	**May Occur**		**Conditions to Avoid**
	Will Not Occur	**X**	Heat sparks and open flames.

Section VI – Health Hazard Data

Route(s) of Entry:	**Inhalation?**	**Skin?**	**Ingestion?**
	Yes	Yes	Yes

Health Hazards *(Acute and Chronic)*
Repeated contact with skin may cause sensitization in some people, resulting in allergic contact dermatitis.

Carinogenicity:	**NTP?**	**IARC Monographs?**	**OSHA Regulated?**
	No	No	No

Signs and Symptoms of Exposure
SKIN: Moderate irritation. Highly excessive exposure may cause a softening of the skin, and/or absorption of harmful amounts of Glycol Ether EPH which may cause Hemolysis, thereby impairing the bloods ability to transport oxygen. It is very doubtful that this will occur with the amounts of Ethylene Glycol Phenyl Ether contained in this mixture; **EYES:** Severe irritation; **INGESTION:** Toxic; **INHALATION:** Low or mild irritation

Medical Conditions Generally Aggravated by Exposure
None specified.

Emergency and First Aid Procedures
SKIN: Wash with soap and water. **EYES:** Flush with water for 15 minutes. **INHALATION:** Move victim promptly to fresh air. Give oxygen if breathing is difficult. **INGESTION:** Do not induce vomiting. Give nothing by mouth if unconscious. Seek medical attention if any of the above symptoms persist.

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Ventilate area; wear gloves and protective eye gear. **SMALL SPILLS:** Wipe with sponge or mop down area with equal mixture of household ammonia and water. **LARGE SPILLS:** Use ammonium carbonate to neutralize Glutaraldehyde odor. Collect liquid.

Waste Disposal Method
Dispose of contaminated product and materials used in cleaning up spills or leaks in a suitable container. Consult appropriated federal, state and local regulatory agencies to ascertain proper disposal procedures.

Precautions to Be Taken in Handling and Storage
Use in well ventilated area. Keep in container tightly closed when not in use.

Other Precautions
Keep out of reach of children. Do not ingest. Avoid skin contact. Do not get in eyes.

Section VIII – Control Measures

Respiratory Protection *(Specify Type)*
Use in ventilated area

Ventilation	Local Exhaust Local exhaust should be sufficient with use of covered container.	Special NA
	Mechanical NA	***Other*** NA

Protective Gloves	Yes	**Eye Protection**	Safety glasses – chemical splash goggles

Other Protective Clothing or Equipment
Long sleeved shirt, trousers, and safety shoes. Eye wash station and safety showers should be available in the immediate vicinity of any potential exposure.

Work/Hygienic Practices
Avoid contamination of food. Launder contaminated clothing before wearing.

FOR ADDITIONAL INFORMATION
Contact Ranaco's Safety Manager during business hours at (520)790-7737

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