

Buntrock Industries
Material Safety Data Sheet
Redonic F

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
Sales Name	Redonic F
Product Description	Polysilicate Binder
CAS Number	
Supplier	Buntrock Industries
Address	1135 E. 7 th Street Wilmington, DE 19801
Emergency Telephone Number	(302) 655-7917
Contact	Wes Jones
Approved By	J. Vandermeer
MSDS Date	1/21/02

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS			
Chemical Name CAS Number	%Wt/Wt	PEL-OSHA Exposure Limits	TLV-ACGIH Exposure Limits
Sodium Polysilicate 7631-86-9	20 - 50%	Not Established	Not Established
Water 7732-18-5	50 – 70%	N/A	No limit set, non-toxic

SECTION 3. PHYSICAL AND CHEMICAL DATA	
Appearance	Dark red liquid
Odor	Odorless or musty odor
pH	10 – 11
Specific Gravity	1.22
Solubility In Water	Miscible
Solubility In Other Solvents	No
Vapor Pressure	Same as water.
Melting Point	N/A
Boiling Point	100°C/212°F (same as water)
Evaporation Rate (water = 1)	N/A

SECTION 4. FIRE AND EXPLOSION HAZARD DATA	
Flash Point (°F)	Noncombustible
Flammable Limits (Vapor In Air, Vol.%)	N/A
Fire Extinguishing Media	N/A
Special Fire Fighting Procedures	Non flammable (water)
Unusual Fire And Explosion Hazards	Product will not burn, not explosive.

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SECTION 5. REACTIVITY DATA	
Stability	Stable
Conditions To Avoid	Contact with acids will cause gelation and generate heat.
Incompatibility (Materials To Avoid)	None.
Hazardous Decomposition Products	None
Hazardous Polymerization	Will not occur.

SECTION 6. STORAGE, HANDLING AND USE PROCEDURES	
Storage And Handling	Prevent from freezing and temperatures over 150°F. If frozen thaw and re-mix before using
Normal Use	Same as above
Spillage	Contain spillage, may be slippery; rinse and mop.
Waste Disposal Method	Non-hazardous, landfill or sewer according to local, state, and federal regulations

SECTION 7. HEALTH HAZARD DATA	
Chronic Hazards	None
Carcinogen	IARC? No OSHA? No
Medical Conditions Generally Aggravated By Exposure	None
Eye Contact	Causes irritation.
Skin Contact	Causes irritation.
Inhalation	Not a normal route of entry.
Ingestion	May cause irritation to mouth, esophagus, and stomach.
First Aid Procedures	In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Wash skin if exposed. If swallowed, DO NOT induce vomiting. If victim is conscious, give a cupful of water. Call a physician.

SECTION 8. PERSONAL PROTECTION INFORMATION	
Respiratory Protection	Use NIOSH/MSHA approved respirator whenever workplace conditions warrant use.
Gloves	Neoprene gloves provide protection against skin irritation.
Eye Protection	Safety glasses with side shields or chemical goggles. Other Protective Equipment: Safety shower and eyewash fountain should be within direct access.
Personal Hygiene	Wash thoroughly after handling
General Ventilation	Normal.

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NFPA – National Fire Protection Association Hazard Ratings	
1	Health Hazard Rating - Slight
0	Flammability Rating – Minimal
0	Instability Rating - Minimal
ALK	Special Hazards – Alkaline (pH > 7)

HMIS – National Paint & Coating Hazardous Materials Identification System	
1	Health Hazard Rating – Slight
0	Flammability Rating – Minimal
0	Reactivity Rating – Minimal
B	Personal Protection – Safety Glasses, Gloves

ABBREVIATIONS			
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value (ACGIH)
ACGIH	American Conference of Governmental Industrial Hygienists	TWA	Time Weighted Average
OSHA	Occupational Safety and Health Administration	N/A	Not Applicable
NFPA	National Fire Protection Association Hazard Ratings	HMIS	National Paint & Coating Hazardous Materials Identification System

The information on this safety data sheet is believed to be accurate and it is the best information available to Buntrock Industries. This document is intended only as a guide to the appropriate precautions for handling a chemical by a person trained in chemical handling. Buntrock Industries makes no warranty of merchantability or any other warranty, express or implied with respect to such information of the product to which it relates, and we assume no liability resulting from the use or handling of the product to which this safety data sheet relates. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.