

# MCBRIDE RESEARCH LABORATORIES, INC.

Material Safety Data Sheet  
May be used to comply  
OSHA'S Hazard Communication Standard  
29 CFR 1910.1200 Standard must be  
consulted for specific requirements

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
omb No. 1218-0072

## Identity

**WAVE BY DESIGN™ PROFESSIONAL STRENGTH REARRANGER**

### SECTION I

Manufacturer's Name <b>RNA CORPORATION</b>	Emergency Telephone Number <b>1-800-255-3924</b>
Address <b>13636 S. WESTERN AVE. BLUE ISLAND, IL 60406</b>	Telephone Number for Information <b>1-708-597-7777</b>
	Date Prepared <b>11-19-93</b>

Signature of Preparer (optional)  
**R. RAVAL**

### SECTION II - Hazardous ingredients / Identity Information

Hazardous components (Specific Chemical Identity; Common Name(s) OSHA PEL ACGHI TLV other limits / recommended % (optional) <b>AMMONIUM THIOGLYCOLATE 60%</b>	<b>ACUTE ORAL TOXICITY 7.5%</b>
<b>CAS NO# 5421 - 46 - 5</b>	<b>ORAL-RAT LD-50 GREATER THAN 50mg/kg</b>
<b>MONOETHANOLAMINE</b>	<b>50 LD 50 35MG / RAT TLV 22ppm</b>
<b>CAS NO#</b>	

### SECTION III - Physical / Chemical Characteristics

Boiling Point <b>190 DEGREES FAHRENHEIT</b>	Specific Gravity <b>1.02</b>
Vapor Pressure <b>N/A</b>	Melting Point <b>130 DEGREES FAHRENHEIT</b>
Vapor Density	

Solubility in Water  
**COMPLETELY MISCIBLE**

Appearance and Order  
**WHITE CREME WITH STRONG TYPICAL ODOR**

### SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) <b>N/A</b>	Flammable Limits <b>N/A</b>	LEL	Uel
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Extinguishing Media  
**WATER SPRAY, FOAM, CARBON DIOXIDE, DRY CHEMICALS**

Special Fire Fighting Procedures  
**COOL CONTAINER WITH WATER SPRAY TO PREVENT MELTING AND HEAT REACTIVE AND EXPANSION,  
PROTECT EYES AND HANDS AND CLOTHING.**

Unusual Fire and Explosion Hazards  
**CAN RELEASE HYDROGEN SULFIDE, SULFUR, OXIDES AND AMMONIA ON HIGH HEAT ON THERMAL  
DECOMPOSITION.**

<b>SECTION V</b>				
<b>Stability</b>				
Unstable		Stable		
		X		
Conditions to Avoid STORAGE IN VERY WARM / HEATED WAREHOUSE				
Incompatibility (Materials to Avoid) KEEP AWAY FROM OXIDIZING MATERIALS, STRONG ALKALIS, HYDROGEN SULFIDE, AMMONIA, SULFUR OXIDES.				
Hazardous Decomposition or Byproducts				
<b>Hazardous Polymerization</b>				
May Occur		Will Not Occur		
		X		
Conditions to Avoid				
<b>SECTION VI - Health Hazard Data</b>				
<b>Route(s) of Entry</b>				
Inhalation		Skin		Ingestion
X		X		X
				Eyes
Health Hazards (Acute and Chronic)				
<b>Carcinogenicity</b>				
NTP		IARC Monographs		OSHA Regulated
NO		NO		NO
Signs and Symptoms of Exposure HEADACHE, REDDENING OF SKIN, BURNING IRRITATION OF THE EYES AND VOMITING. (DUE TO ODOR)				
Medical Conditions Generally Aggravated by Exposure VERY SENSITIVE EYES AND SKIN CONDITIONS AS WELL AS INHALATION PROBLEMS				
Emergency and First Aid Procedures SKIN AND EYE CONTACT - THOROUGHLY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. WASH SKIN. REMOVE TO FRESH AIR, AND SEEK MEDICAL ATTENTION.				
<b>SECTION VII</b>				
Steps to be taken in case material is released or spilled ALL PEOPLE INVOLVED MUST WEAR PROTECTIVE EQUIPMENT. PREVENT RUN OFF INTO SEWERS OR DRINKING WATER SUPPLY. SOLIDIFY WITH NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE IN CONTAINER FOR DISPOSAL. STORAGE TREATMENT MUST BE CONDUCTED ACCORDING TO STATE AND FEDERAL REGULATIONS.				
Waste Disposal Method SMALL SPILLS - WASH SITE OF SPILL WITH 3% BLEACH SOLUTION THEN WITH SOAP. PLACE ABSORBENT MATERIAL INTO PLASTIC BAG AND STORE FOR PROMPT DISPOSAL ACCORDING TO REGULATIONS.				
Precautions to be taken in Handling and Storage				
Other Precautions				
<b>SECTION VIII - Control Measures</b>				
Respiratory Protection (Specify Type) UNDER NORMAL USE PROTECTION IS NOT REQUIRED, BUT FOR MINOR EXPOSURE WEAR A MASK WITH ORGANIC VAPOR CANISTER.				
<b>Ventilation</b>				
Local Exhaust		Mechanical		Special
SUFFICIENT TO MINIMIZE EXPOSURE		(GENERAL)		Other
Protective Gloves NEOPRENE OR CHEMICAL RESISTANT			Eye Protection CHEMICAL SAFETY GOGGLES	
Other Protective Clothing or Equipment PLASTIC OR RUBBER APRON				
Work / Hygienic Practices PLACE CONTAMINATED CLOTHING IN CONTAINER UNTIL LAUNDERED				
Other				