

## MATERIAL SAFETY DATA SHEET

### PRODUCT INFORMATION

Product Name: WR8255  
General/Generic Name: HARDNESS BUFFER LM  
Product Use: LABORATORY REAGENT  
TDG Hazard Classification: NOT REGULATED, LIMITED QUANTITY  
WHMIS Classification: D;2B  
Vendor Name & Address: HOOD CHEMICAL  
295 ALLIANCE ROAD #14  
MILTON ON L9T 4W8

### HAZARDOUS INGREDIENTS

Ingredient	%W/W	TLV	CAS.NO.	LD50	LC50
SODIUM SULFIDE	0.5-1.5	10ppm as H <sub>2</sub> S	1313-84-4	ND	ND
SODIUM HYDROXIDE	0.1-1.0	2mg/m <sup>3</sup>	1310-73-2	ND	ND
SODIUM BORATE 10 HYDRATE	1-5	1mg/m <sup>3</sup>	1303-96-4	ND	ND

### PHYSICAL DATA

Physical State: LIQUID  
Appearance & Odour: CLEAR COLOURLESS, SULFIDE ODOUR  
Odour Threshold: ND  
Specific Gravity: 1.05  
Vapour Pressure: ND  
Vapour Density: ND

Evaporation Rate: ND  
Initial Boiling Point: 100°C  
pH: 11.0  
Water Solubility: SOLUBLE  
Freezing Point: 0°C

### FIRE OR EXPLOSION HAZARDS

Flash Point: NA  
Flammable Limits: NA  
Auto-Ignition Temp: NA  
Extinguishing Media: AS FOR SURROUNDING FIRE  
Special Firefighting: HIGH HEAT MAY CAUSE CONTAINERS TO EXPLODE  
Explosion Data: NA  
Hazardous Combustion Products: OXIDES OF SULFUR

### PREVENTIVE MEASURES

Protective Equipment To Be Used: PREVENT CONTACT TO SKIN & EYES  
Respiratory Protection: NONE REQUIRED USUALLY  
Ventilation: NORMAL AIR FLOW  
Protective Gloves: RECOMMENDED  
Eye Protection: SAFETY GLASSES AND/OR SHIELDS  
Other Protective Measures: STORE AWAY FROM ACIDS, HEAT SOURCES & PROTECT FROM AIR AND LIGHT

### FIRST AID MEASURES

Skin Contact: WASH WITH SOAP AND WATER  
Eye Contact: RINSE THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS CONSULT PHYSICIAN  
Inhalation: REMOVE TO FRESH AIR  
Ingestion: DO NOT INDUCE VOMITING, DRINK LARGE QUANTITIES OF FLUIDS TO DILUTE, CONSULT

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**SPILL OR LEAK PROCEDURES**


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Steps To Be Taken In Case Material Is Released or spilled:	CONTAIN SPILL, ABSORB ONTO INERT MATERIAL
Waste Disposal Information:	DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL GOV'T REGULATIONS
Handling & Storage Conditions:	KEEP CONTAINERS UPRIGHT IN A COOL, DRY PLACE; KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE AWAY FROM ACIDS

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**TOXICOLOGICAL PROPERTIES**


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Threshold Limit Value:	NA
Effects of Acute Exposure:	NONE KNOWN TO MANUFACTURER
Skin Contact:	DEFATTING
Skin Absorption:	NONE
Eye Contact:	IRRITATION TO MUCOUS MEMBRANES
Ingestion:	G.E. TRACT IRRITATION, MAY BE HARMFUL IF SWALLOWED
Effect of chronic Exposure:	ND
Irritancy of Product:	IRRITATING TO EYES, NOSE AND SKIN
Carcinogenicity:	ND
Sensitization to Material:	ND
Reproduction Toxicity:	ND
Teratogenicity:	ND
Mutagenicity:	ND

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**REACTIVITY DATA**


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Stability:	STABLE
Incompatibility:	AVOID CONTACT WITH STRONG ACIDS, OXIDIZERS
Hazardous Decomposition Products:	ND
Hazardous Polymerization:	WILL NOT OCCUR
Conditions to Avoid:	CONTACT WITH ACIDS LIBERATES POISONOUS GAS

Date Prepared:	January 14, 1997	NA	Not Applicable
Date Revised:	January 2016	ND	No Data Available
Prepared by:	Lab Personnel	NE	None Established
Phone:	905-876-0707	NR	Not Regulated