

# MATERIAL SAFETY DATA SHEET

## SECTION I: PRODUCT IDENTIFICATION

**MANUFACTURER:** SUPPLIER:  
**MULTI-BLEND LTD.**  
**2720 SLOUGH STREET**  
**ONTARIO L4T 1G3**  
**TEL: 905-678-9559**  
**EMERGENCY TEL: CANUTEC 613-996-6666**

### SECTION 1: MATERIAL IDENTIFICATION AND USE:

**Product Name** : **RX 1500**  
**Product Use** : Steam Boiler Treatment  
**Chemical Family** : Mixture **Synonyms** : None

### SECTION II: HAZARDOUS INGREDIENTS:

HAZARDOUS- INGREDIENTS	APPROX CONC. %	CAS NO.	LD(50) RAT ORAL	LC(50) Inhalation rat
SODIUM SULFITE	7 - 13	7757-83-7	820 mg/Kg	22mg/L 1 hr
POTASSIUM HYDROXIDE	10-30	1310-58-3	214 mg/Kg	ND

### SECTION III: PHYSICAL DATA:

**Physical State** : Liquid  
**Odour and Appearance** : Clear brown; mild characteristic odour  
**Odour Threshold (ppm)** : Not available  
**Specific Gravity (water=1)** : 1.19 - 1.22  
**Vapour Pressure (mm)** : Not available  
**Vapour Density (air=1)** : Not available  
**Evaporation Rate (water=1)** : Not available  
**Solubility in Water** : Soluble  
**Boiling Point (°C)** : >100  
**Freezing Point (°C)** : Not available  
**% Volatile (by weight)** : >80 (as water)  
**pH (100% Solution)** : 11.5 - 12.5  
**Coefficient of Water/Oil Distribution:** Not available

### SECTION IV: FIRE AND EXPLOSIVE HAZARDS OF MATERIAL:

**Flammability:** Non-flammable  
**If Yes, Under What Conditions:** Not applicable  
**Means of Extinction:** As appropriate for surrounding materials.  
**Special Procedures:** Wear self-contained breathing apparatus and protective equipment in fighting all fires involving chemicals.  
**Flash Point and Method:** None  
**Hazardous Combustion Products:** Oxides of carbon, sulphur, sodium, nitrogen, ammonia  
**Upper Explosive Limits:** Not available  
**Lower Explosive Limits:** Not available  
**Autoignition Temperature:** Not available  
**Explosive Data Sensitivity to Chemical Impact:** Not available  
**Rate of Burning:** Not available  
**Explosive Power:** Not applicable  
**Sensitivity to Static Discharge:** Not available

### SECTION V: HEALTH HAZARD DATA:

#### EFFECTS OF ACUTE OVEREXPOSURE:

**Eyes:** Causes irritation, redness and pain. Can be destructive to eye tissue. May cause corneal damage and clouding.  
**Skin:** May cause irritation of skin, and possible burns.  
**Inhalation:** Mist may be irritating.  
**Ingestion:** May cause severe discomfort and potential perforation of mucous membranes of the mouth, throat, esophagus and stomach. May also cause diarrhea, circulatory problems and central nervous system depression.

#### EFFECTS OF CHRONIC OVEREXPOSURE:

The severity of damage and the extent of its irreversibility increases with length of contact time. Prolonged contact can cause tissue destruction.

### SECTION VI: EMERGENCY AND FIRST AID:

**Eyes:** Immediately start flushing with running water for at least 15 minutes while holding the eyelids apart. If irritation persists, get medical attention.

**Skin:** Remove contaminated clothing and wash skin with soap and water. Get medical attention. Launder clothing before reuse.  
**Inhalation:** Move person to fresh air. Get medical attention.  
**Ingestion:** Do not induce vomiting. If person is alert and not convulsing, rinse mouth with water and give 1-2 glasses of water to dilute material. Get immediate medical attention.

### SECTION VII: TOXICOLOGICAL DATA:

**Routes of Entry:** Eyes, skin, inhalation, ingestion.  
**EXPOSURE LIMITS.. NIOSH - FOR POTASSIUM HYDROXIDE IS**  
**2 mg/m3**  
**LD50 of Material (Oral, Rat):** Not available  
**LC50 of Material (Inhalation, Rat):** Not available  
**Sensitization of Material:** Not available **Synergistic Materials:** None known  
**Carcinogenic Effects:** None known **Reproductive Effects:** None known  
**Teratogenic Effects:** None known **Mutagenic Effects:** See below  
**Other Effects:** Sodium sulphite may cause severe allergic reactions in some asthmatics and sulphite sensitive individuals. Sodium sulphite has also been demonstrated to be mutagenic in microbial systems but not in insects. It is judged not to be mutagenic in multicell organisms.

### SECTION VIII: SPILL OR LEAK PROCEDURES:

**Steps To Be Taken In Case Material is Released Or Spilled:**  
Contain the spill. Reclaim if possible. Absorb onto suitable absorbant and place in disposal container. Keep out of sewers, storm drains surface waters and soil.  
**Disposal Procedures:**  
Dispose of in accordance with all local, provincial and federal regulations.

### SECTION IX: PERSONAL PROTECTION INFORMATION:

**Engineering Controls** : Local exhaust  
**Respiratory Protection** : NIOSH/MSHA approved respirator approved for mists where applicable  
**Protective Clothing** : Chemical resistant gloves (rubber, neoprene, nitrile or PVC, apron or impervious protective clothing  
**Eye Protection** : Chemical safety goggles, face shield  
**Other Protective Equipment:** Eye wash and safety shower

### SECTION X: REACTIVITY DATA:

**Chemical Stability:** Stable  
**Conditions to Avoid:** None known  
**Hazardous Polymerization:** Will not occur  
**Incompatibility to Other Substances:** Strong acids, oxidizing agents, reactive metals (such as aluminum, tin, zinc)  
**Reactivity and Under What Conditions:** May react with acids to form sulphur dioxide gas.  
**Hazardous Decomposition Products:** Sodium sulphide, sulphur dioxide nitrogen oxides.

### SECTION XI: HANDLING AND STORING PRECAUTIONS:

Store in an area where risk of damage to container will be minimized. Avoid storage at high temperatures and store away from strong acids and strong oxidizers. Keep container closed when not in use.

### SECTION XII: ADDITIONAL INFORMATION:

**TDG Classification:** CLASS 8  
**SHIPPING NAME:**...CORROSIVE LIQUID N.O.S.(POTASSIUM HYDROXIDE)  
**PIN:**.....UN 1760 **PACKING GROUP:**.....II  
**PREPARATION INFORMATION:**  
**PREPARED BY:** LAB GROUP **DATE:** August 1, 2008  
**Tel:** 905-678-9559

### DISCLAIMER:

The information supplied is presented in good faith and has been derived from sources believed to be reliable. However, no warranty is extended regarding its accuracy or the results obtained from its use. Products supplied by our company are sold under the conditions that liability for any personal injury or damage whatsoever to any property real or personal arising from the handling or use will, in all cases, remain with the handler or user.