

MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

MANUFACTURER: MULTI-BLEND LTD.
SUPPLIER: 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:

COMPONENT	C.A.S. NO.	%	TLV	LC50 mg / L(Rat)	LD50 mg/kg
Sodium Sulphite	7757-83-7	7.0 - 13.0	ND	5.5 / 4 hr	820 Oral (Mouse)
Potassium Hydroxide	1310-58-3	10 - 30	ND	ND	365 Oral (Rat)

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: Not established
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 absorbent 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

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