



SAFETY DATA SHEET
24 HOUR EMERGENCY PHONE
CHEMTREC 1-800-424-9300
2536 Kimberly Road
Twin Falls, Idaho 83301
☎ (208)734-7279 • (800) 367-3250
FAX (208)733-0460

PRODUCT

BWT-112RO

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY

TRADE NAME: BWT-112RO
CHEMICAL NAME: PROPRIETARY

RECOMMENDED USE

USED TO PREVENT OXYGEN CORROSION IN STEAM GENERATING SYSTEMS WHERE REVERSE OSMOSIS IS USED AS BOILER WATER MAKEUP

COMPANY INFORMATION

WATERTECH, INC.
2536 KIMBERLY ROAD
TWIN FALLS, ID 83301

TELEPHONE NUMBERS

TRANSPORTATION EMERGENCY
WATERTECH, INC.: (800) 367-3250
CHEMTREC: (800) 424-9300
WATERTECH OFFICE: (208) 734-7279
TOLL FREE: (800) 367-3250
FAX: (208) 733-0460

SECTION 2: HAZARD IDENTIFICATION

GHS CLASSIFICATION

ACUTE TOXICITY, ORAL (CATEGORY 4)
ACUTE TOXICITY, INHALATION (CATEGORY 4)
EYE IRRITATION (CATEGORY 2B)
SKIN IRRITATION (CATEGORY 2)

GHS LABEL (PICTOGRAM)



GHS SIGNAL WORD

WARNING

GHS HAZARD STATEMENTS

H302: HARMFUL IF SWALLOWED
H315: CAUSES SKIN IRRITATION
H320: CAUSES EYE IRRITATION
H332: HARMFUL IF INHALED

GHS GENERAL PRECAUTIONARY STATEMENTS

NO STATEMENTS AVAILABLE

GHS PREVENTION STATEMENTS

P235: KEEP COOL.
P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.
P283: WEAR FIRE/FLAME RESISTANT/RETARDANT CLOTHING.
P284: WEAR RESPIRATORY PROTECTION.

GHS RESPONSE STATEMENTS

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P301: IF SWALLOWED:
P313: GET MEDICAL ADVICE/ATTENTION.
P301 + P310: IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.
P303 + P361 + P353: IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.

P304 + P340: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.
P305 + P351 + P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

GHS STORAGE AND DISPOSAL STATEMENTS

P410: PROTECT FROM SUNLIGHT.
P501: DISPOSE OF CONTENTS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS OR ORDINANCES AND REGULATIONS GOVERNING HANDLING, TRANSPORTATION AND DISPOSAL OF HAZARDOUS WASTE MATERIALS AND ENVIRONMENTAL PROTECTION.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL NAME, COMMON NAME	CAS NUMBER	PERCENT BY WEIGHT
SODIUM SULFITE	7757-83-7	> 1%

SECTION 4: FIRST AID MEASURES

EYES

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN

REMOVE ANY CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INGESTION

INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN IMMEDIATELY.

INHALATION

REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.

OTHER INSTRUCTIONS

SECTION 5: FIRE FIGHTING MEASURES

IGNITION TEMPERATURE - AIT

NOT APPLICABLE

FLASH POINT

NOT FLAMMABLE

FLAMMABLE LIMITS %

LOWER NOT APPLICABLE

UPPER NOT APPLICABLE

RECOMMENDED FIRE EXTINGUISHING AGENTS AND SPECIAL PROCEDURES

USE ANY MEANS SUITABLE FOR EXTINGUISHING SURROUNDING FIRE.
DRY CHEMICAL, CO 2 , HALON, WATER SPRAY OR STANDARD FOAM

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UNUSUAL OR EXPLOSIVE HAZARDS

NOT CONSIDERED TO BE A FIRE HAZARD. IF INVOLVED IN A FIRE, CAN EMIT TOXIC FUMES AND IRRITATING AND CORROSIVE GASES (SULFUR DIOXIDE GAS). NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

SECTION 6: ACCIDENTAL RELEASE MEASURES (Transportation Spills: CHEMTREC (800) 424-9300)

PROCEDURES IN CASE OF ACCIDENTAL RELEASE, BREAKAGE OR LEAKAGE

VENTILATE AREA OF LEAK OR SPILL. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AS SPECIFIED IN SECTION 8. SPILLS: SWEEP UP AND CONTAINERIZE FOR RECLAMATION OR DISPOSAL. VACUUMING OR WET SWEEPING MAY BE USED TO AVOID DUST DISPERSAL.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS OR ORDINANCES AND REGULATIONS GOVERNING HANDLING, TRANSPORTATION AND DISPOSAL OF HAZARDOUS WASTE MATERIALS AND ENVIRONMENTAL PROTECTION.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING

PRECAUTIONS TO BE TAKEN IN STORAGE

KEEP IN A TIGHTLY CLOSED CONTAINER. PROTECT FROM PHYSICAL DAMAGE. STORE IN A COOL, DRY, VENTILATED AREA AWAY FROM SOURCES OF HEAT, MOISTURE AND INCOMPATIBILITIES. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY SINCE THEY RETAIN PRODUCT RESIDUES (DUST, SOLIDS); OBSERVE ALL WARNINGS AND PRECAUTIONS LISTED FOR THE PRODUCT.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION

USE CHEMICAL SAFETY GOGGLES. MAINTAIN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA.

SKIN PROTECTION

WEAR PROTECTIVE GLOVES AND CLEAN BODY-COVERING CLOTHING.

RESPIRATORY PROTECTION

IF THE EXPOSURE LIMIT IS EXCEEDED AND ENGINEERING CONTROLS ARE NOT FEASIBLE, A HALF FACEPIECE PARTICULATE RESPIRATOR (NIOSH TYPE N95 OR BETTER FILTERS) MAY BE WORN FOR UP TO TEN TIMES THE EXPOSURE LIMIT OR THE MAXIMUM USE CONCENTRATION SPECIFIED BY THE APPROPRIATE REGULATORY AGENCY OR RESPIRATOR SUPPLIER, WHICHEVER IS LOWEST.. A FULL-FACE PIECE PARTICULATE RESPIRATOR (NIOSH TYPE N100 FILTERS) MAY BE WORN UP TO 50 TIMES THE EXPOSURE LIMIT, OR THE MAXIMUM USE CONCENTRATION SPECIFIED BY THE APPROPRIATE REGULATORY AGENCY, OR RESPIRATOR SUPPLIER, WHICHEVER IS LOWEST. IF OIL PARTICLES (E.G. LUBRICANTS, CUTTING FLUIDS, GLYCERINE, ETC.) ARE PRESENT, USE A NIOSH TYPE R OR P FILTER. FOR EMERGENCIES OR INSTANCES WHERE THE EXPOSURE LEVELS ARE NOT KNOWN, USE A FULL-FACEPIECE POSITIVE-PRESSURE, AIR-SUPPLIED RESPIRATOR. WARNING: AIR-PURIFYING RESPIRATORS DO NOT PROTECT WORKERS IN OXYGEN-DEFICIENT ATMOSPHERES.

VENTILATION

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A SYSTEM OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURES BELOW THE AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST VENTILATION IS GENERALLY PREFERRED BECAUSE IT CAN CONTROL THE EMISSIONS OF THE CONTAMINANT
UNIVAR USA INC. MSDS NO:MZS5066

ISSUE DATE:2008-09-03 VERSION:006 2008-09-08

Annotation:

AT ITS SOURCE, PREVENTING DISPERSION OF IT INTO THE GENERAL WORK AREA.
PLEASE REFER TO THE ACGIH DOCUMENT, "INDUSTRIAL VENTILATION, A MANUAL OF RECOMMENDED PRACTICES", MOST RECENT EDITION, FOR DETAILS.

EXPOSURE LIMIT FOR THE TOTAL PRODUCT

AIRBORNE EXPOSURE LIMITS:

-ACGIH THRESHOLD LIMIT VALUE (TLV):

5MG/M3 (TWA) FOR SODIUM BISULFITE & FOR SODIUM METABISULFITE, A4 NOT CLASSIFIABLE AS A HUMAN CARCINOGEN.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

CLEAR

ODOR

ODORLESS

BOILING POINT

NO INFORMATION FOUND.

MELTING/FREEZING POINT

NOT ESTABLISHED

SPECIFIC GRAVITY

1.060-1.160

pH

9.80 to 10.30

VAPOR PRESSURE

NO INFORMATION FOUND.

VISCOSITY

NOT ESTABLISHED

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

NOT ESTABLISHED

VAPOR DENSITY

NO INFORMATION FOUND.

SOLUBILITY IN WATER (%)

SOLUBLE IN CA. 3.2 PARTS WATER.

OTHER

SECTION 10: STABILITY AND REACTIVITY

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CONDITIONS TO AVOID

INCOMPATIBILITIES:
ACIDS, STRONG OXIDIZERS, HIGH TEMPERATURES.
CONDITIONS TO AVOID:
HEAT AND MOISTURE.

STABILITY STATEMENT

STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE. HEAT AND MOISTURE CONTRIBUTE TO INSTABILITY. MAY AIR-OXIDIZE.

HAZARDOUS DECOMPOSITION PRODUCTS

BURNING MAY PRODUCE SULFUR OXIDES.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

ORAL ORAL MOUSE LD50: 820 MG/KG. INVESTIGATED AS A TUMORIGEN AND MUTAGEN.

INHALATION NOT ESTABLISHED

DERMAL NOT ESTABLISHED

IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES)

SKIN NOT ESTABLISHED

EYES NOT ESTABLISHED

SENSITIZATION NOT ESTABLISHED

OTHER

CANCER LISTS:
SODIUM SULFITE (7757-83-7)
NTP CARCINOGEN KNOWN: NO
NTP CARCINOGEN ANTICIPATED: NO
IARC CATEGORY: 3

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS

ENVIRONMENTAL FATE:
NO INFORMATION FOUND.
ENVIRONMENTAL TOXICITY:
NO INFORMATION FOUND.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLING SHOULD BE MANAGED IN AN APPROPRIATE AND APPROVED WASTE DISPOSAL FACILITY. PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT MAY CHANGE THE WASTE MANAGEMENT OPTIONS. STATE AND LOCAL DISPOSAL REGULATIONS MAY DIFFER FROM FEDERAL DISPOSAL REGULATIONS.
DISPOSE OF CONTAINER AND UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE

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AND LOCAL REQUIREMENTS.

SECTION 14: TRANSPORTATION INFORMATION

DOT (Department of Transportation)

PROPER SHIPPING NAME NOT DOT REGULATED

CONTENTS NOT DOT REGULATED

HAZARD CLASS NOT DOT REGULATED

IDENTIFICATION NUMBER NOT DOT REGULATED

PACKING GROUP NOT DOT REGULATED

LABEL REQUIREMENTS NOT REGULATED BY DOT BUT CARE SHOULD ALWAYS BE USED WHEN HANDLING THIS PRODUCT

REPORTABLE QUANTITY NOT DOT REGULATED

SECTION 15: OTHER REGULATORY INFORMATION

OTHER REGULATORY INFORMATION

CHEMICAL INVENTORY STATUS - PART 1:
SODIUM SULFITE (7757-83-7)
TSCA (YES), EC (YES), JAPAN (YES), AUSTRALIA (YES)

CHEMICAL INVENTORY STATUS - PART 2:
SODIUM SULFITE (7757-83-7)
CANADA
KOREA (YES), DSL (YES), NDSL (NO), PHIL. (YES)

FEDERAL, STATE & INTERNATIONAL REGULATIONS - PART 1:
SODIUM SULFITE (7757-83-7)
SARA 302
RQ (NO), TPQ (NO)
SARA 313
LIST (NO), CHEMICAL CATG (NO)

FEDERAL, STATE & INTERNATIONAL REGULATIONS - PART 2:
SODIUM SULFITE (7757-83-7)
CERCLA (NO), RCRA 261.33 (NO), TSCA 8(D) (NO)

CHEMICAL WEAPONS CONVENTION: NO
TSCA 12(B): NO
CDTA: NO

SARA 311/312:
ACUTE: YES
CHRONIC: NO
FIRE: NO
PRESSURE: NO
REACTIVITY: NO (PURE / SOLID)

AUSTRALIAN HAZCHEM CODE: NONE ALLOCATED.
POISON SCHEDULE: NONE ALLOCATED.

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION



HEALTH: Can cause temporary incapacitation or residual injury.
FLAMMABILITY Will not burn.
REACTIVITY: Stable.
SPECIAL:

WATERTECH, INC. HAS COMPILED THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET FROM SOURCES BELIEVED TO BE RELIABLE AND TO REPRESENT CURRENT OPINION ON THE SUBJECT WHEN THE MSDS WAS PREPARED. NO WARRANTY, GUARANTEE OR REPRESENTATION IS MADE AS TO THE CORRECTNESS OR SUFFICIENCY OF THE INFORMATION. THE USER OF THIS PRODUCT MUST DETERMINE FOR THEMSELVES WHAT SAFETY MEASURES ARE NECESSARY TO SAFELY USE THIS PRODUCT, EITHER ALONE OR IN COMBINATION WITH OTHER PRODUCTS.

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N/A - Not Applicable N/E - Not Established