

# MATERIAL SAFETY DATA SHEET

QUICK REFERENCE:

B-500



**H-O-H CHEMICALS, INC.**  
 500 SOUTH VERMONT STREET  
 PALATINE, ILLINOIS 60067

**EMERGENCY PHONE No's**  
 708 - 358 - 7400 (H-O-H BUSINESS Hrs.)  
 800 - 424 - 9300 (CHEMTREC - 24 Hrs.)

**H.M.I.S.:**

- 4 - EXTREME
- 3 - SEVERE
- 2 - MODERATE
- 1 - SLIGHT
- 0 - INSIGNIFICANT

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

**DOT:**

HAZARD LABELING



IN 40 lb. FIBER KEGS.

PRODUCT IDENTIFICATION	PRODUCT NAME	CHEMICAL FAMILY	DATE	Rev. No.	SUPERSEDES	EPA - T P Q	BY
	B-500	BOILER WATER TREATMENT	1-1-91	1	1-1-90	NA	

HAZARDOUS COMPONENTS	CHEMICAL NAME	COMMON NAME	CAS No.	PERCENT	OSHA PEL	ACGIH - TLV	OTHER

COMMENT
B-500 CONSISTS OF 100% SODIUM CARBONATE (Soda Ash). B-500 IS INTENDED TO BE USED AS A WATER CONDITIONER OR AS AN ACID NEURTALIZER.

PHYSICAL DATA	BOILING POINT (Degrees Fahrenheit)	NA	SOLUBILITY (in water)	33.2% max.	EVAPORATION RATE (water = 1.0)	NA
	VAPOR PRESSURE (in millimeters of Mercury)	NA	SPECIFIC GRAVITY (water = 1.0)	2.509		
	VAPOR DENSITY (air = 1.0)	NA	PERCENT (%) VOLATILE (by volume)	NA		
	APPEARANCE and ODOR	WHITE GRANULAR SOLID.				

FIRE AND EXPLOSION	FLASH POINT (Degrees Fahrenheit)	METHOD	FLAMMABLE LIMITS	LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT
	NONE	NA		NOT APPLICABLE	NOT APPLICABLE
	EXTINGUISHING MEDIA	SPECIAL FIRE FIGHTING PROCEDURES		UNUSUAL FIRE AND EXPLOSION HAZARDS	
	WATER	NONE		NONE IF SPILLAGE OCCURES DURING A FIRE HEATING OR EXPOSURE TO OTHER CHEMICALS COULD RESULT IN THE FORMATION OF CARBON DIOXIDE GAS.	

REACTIVITY DATA	STABILITY	CONDITIONS TO AVOID	NOT APPLICABLE
	STABLE <input checked="" type="checkbox"/> UNSTABLE <input type="checkbox"/>		
	INCOMPATIBILITY (Materials to Avoid)	STRONG MINERAL ACIDS..	
	HAZARDOUS DECOMPOSITION PRODUCTS	RELEASES CARBON DIOXIDE UNDER STRONG HEATING OR UPON CONTACT WITH STRONG MINERAL ACIDS. CARBON DIOXIDE MAY DISPLACE OXYGEN IN A CONFINED AREA.	
HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID	NOT APPLICABLE	
WILL OCCUR <input type="checkbox"/> WON'T OCCUR <input checked="" type="checkbox"/>			

SPECIAL PRECAUTIONS	STORAGE AND HANDLING	OTHER
	1. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. 2. STORE IN A COOL, DARK, WELL-VENTILATED LOCATION AWAY FROM DIRECT SUNUGHT AND OTHER SOURCES OF RADIANT HEAT. 3. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. <u>NEVER</u> MOVE AN OPEN OR LOOSELY CLOSED CHEMICAL CONTAINER. 4. WEAR HAND AND FOOT PROTECTION WHEN MOVING HEAVY CONTAINERS.	1. NOT TO BE TAKEN INTERNALLY. 2. NOT TO BE USED FOR OTHER THAN SPECIFIED PURPOSE. 3. KEEP AWAY FROM CHILDREN. 4. <u>NEVER</u> MIX THIS MATERIAL WITH ANY OTHER CHEMICAL UNLESS AT THE SPECIFIC DIRECTION OF H-O-H PERSONNEL. 5. TOTALLY EMPTY FIBER CONTAINER AND PLASTIC INNER BAG BEFORE OFFERING FOR DISPOSAL. <u>NEVER</u> REUSE EMPTY CONTAINERS.

<b>HEALTH HAZARD DATA</b>	<b>THRESHOLD LIMIT VALUE</b>	NOT APPLICABLE
	<b>ACUTE HEALTH HAZARDS</b>	<b>CHRONIC HEALTH HAZARDS</b>
	<b>IRRITANT</b> DUSTS MAY CAUSE SEVERE IRRITATION OF EYES AND SLIGHT IRRITATION OF NOSE AND THROAT.	NONE KNOWN

<b>EFFECTS OF EXPOSURE</b>	<b>SKIN AND EYES / TARGET ORGAN</b>	<b>INHALATION</b>	<b>INGESTION</b>
	<b>TISSUE IRRITATION</b> MAY CAUSE EYE IRRITATION WITH REDNESS. PROLONGED DERMAL CONTACT MAY PRODUCE ITCHING, DRY SKIN, POSSIBLE MILD IRRITATION, AND DRY CRACKED SKIN.	<b>NON - VOLATILE</b> IF A LARGE AMOUNT OF DUST IS DRAWN INTO THE BREATHING TRACT, IRRITATION OF BRONCHIAL TISSUE AND LUNGS MAY OCCUR. PROLONGED EXPOSURE COULD PRODUCE NASAL OR MUCOUS TISSUE SORES.	<b>IRRITANT</b> MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.
<b>CONDITIONS AGGRAVATED</b>	DERMATITIS OR ANY PRE - EXISTING SKIN CONDITION.	ASTHMA, BRONCHITIS, EMPHYSEMA, OR OTHER CHRONIC RESPIRATORY DISEASES DUE TO DUST.	IF INGESTION OCCURS, STOMACH ULCERS OR OTHER PRE - EXISTING DIGESTIVE CONDITIONS.

<b>EMERGENCY PROCEDURES</b>	<b>SKIN AND EYES</b>	<b>INHALATION</b>	<b>INGESTION</b>
	<b>EYES</b> FLUSH EYES WITH WATER FOR 15 MINUTES. GET PROMPT MEDICAL ATTENTION IF IRRITATION DEVELOPES.  <b>SKIN</b> FLUSH WITH WATER AND WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND WASH WELL BEFORE REUSE. IF IRRITATION DEVELOPES, SEEK MEDICAL ADVISE.	<b>NON - VOLATILE</b> IF SUFFICIENT DUST IS INHALED TO PRODUCE SYMPTOMS, REMOVE SUBJECT TO FRESH AIR. HAVE THE SUBJECT COUGH AND ATTEMPT TO CLEAR ANY MATERIAL FROM THE BREATHING TRACT. IF BREATHING BECOMES DIFFICULT, GET PROMPT MEDICAL ATTENTION.	<b>DO NOT INDUCE VOMITING</b> IF CONSCIOUS, DILUTE INGESTED MATERIAL WITH 2 OR MORE GLASSES OF WATER OR MILK. STOP IF SUBJECT BECOMES NAUSEATED. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS SUBJECT. OBTAIN PROMPT MEDICAL ATTENTION.

<b>CARCINOGEN LISTING</b>	<b>NATIONAL TOXICOLOGY PROGRAM (NTP)</b>	<b>IARC MONOGRAPHS</b>	<b>OSHA REGULATED</b>
	NO	NO	NO

<b>SPILL OR LEAK PROCEDURES</b>	<b>SPILLS AND RELEASES</b>	<b>WASTE DISPOSAL METHODS</b>
	CONTAIN SPILLED MATERIAL AND COLLECT INTO SUITABLE CONTAINER FOR POSSIBLE RECOVERY OR DISPOSAL	CONSULT FEDERAL, STATE, AND LOCAL REGULATIONS PERTAINING TO WASTE DISPOSAL

<b>CONTROL MEASURES</b>	<b>EYE PROTECTION</b>	SAFETY GLASSES WITH SIDE SHIELDS OR A FACE MASK		
	<b>RESPIRATORY PROTECTION</b>	NOT REQUIRED FOR ORDINARY USE. DURING EMERGENCY CONDITIONS OR IF A SERIOUS SPILL OCCURS, AN AIR PURIFYING RESPIRATOR DESIGNED TO ABSORB FINE DUST, SMOKE, AND ACIDIC VAPORS SHOULD BE USED.		
	<b>OTHER PROTECTIVE EQUIPMENT</b>	NOT REQUIRED FOR NORMAL USE.		
	<b>LOCAL EXHAUST</b>	YES	<b>SPECIAL VENTILATION</b>	NOT REQUIRED FOR NORMAL USE.
	<b>MECHANICAL VENTILATION</b>	NOT REQUIRED FOR NORMAL USE.	<b>OTHER VENTILATION</b>	NOT REQUIRED FOR NORMAL USE.
	<b>PROTECTIVE GLOVES</b>	NON - SUP VINYL OR RUBBER GLOVES.	<b>PROTECTIVE CLOTHING</b>	WATER REPELLENT APRON OR COVERALLS

<b>REFERENCES</b>	1. <i>Threshold Limit Values For Chemical Substances And Physical Agents In The Work Environment</i> ; ACGIH, 1989. 2. <i>OSHA Safety and Health Standards</i> : 29CFR 1900 to 1910, July 1, 1988 3. <i>Fifth Annual Report on Carcinogens</i> ; U.S. Dept. of Health and Human Services, National Toxicology Program, 1989 (Summary). 4. M. Sittig, <i>Handbook of Toxic &amp; Hazardous Chemicals</i> , (Noyes Publications, Park Ridge, N.J., 1981). 5. <i>Community Right - To - Know Manual</i> , (Thompson Publishing Group, Washington, D.C., 1990). 6. <i>Right - To - Know / Chemical Manual</i> (ILLINOIS MANUFACTURES ASSOCIATION; Rooks, Pitts, and Poust, 1990). 7. <i>Toxic and Hazardous Industrial Chemicals Safety Manual</i> (THE INTERNATIONAL TECHNICAL INFORMATION INSTITUTE, 1975). 8. M. J. Lefevre, S. A. Conibear, <i>First Aid Manual for Chemical Accidents</i> , 2nd ed. (Van Nostrand Reinhold, New York, 1989). 9. <i>Hazardous Materials Guide; Shipping, Materials Handling and Transportation</i> (J. J. KELLER & ASSOCIATES, Inc., Neenah, Wisconsin, Dec. 1990) 10. <i>Hazard Communication Guide; Federal &amp; State Right to Know Standards</i> (J. J. KELLER & ASSOCIATES, Inc., Neenah, Wisconsin, Dec. 1990)
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<b>REPORTABLE QUANTITY</b>	IF MORE THAN THE INDICATED QUANTITY IS DISCHARGED TO DRAINAGE (Sewer / surface water), AIR, OR SOIL, IMMEDIATELY REPORT AS INDICATED.		
	CERCLA OR EPA (Extremely Hazardous) NATIONAL RESPONSE CENTER (800 - 424 - 8802)	STATE EMERGENCY RELEASE NOTIFICATION ILLINOIS (Only) 800 - 782 - 7860 (Consult for others)	LOCAL EMERGENCY RESPONSE AUTHORITY Record Telephone No. of Local Response Authority
<b>WRITTEN REPORT MUST FOLLOW</b>	NA	NA	NA