SECTION I - PRODUCT IDENTIFICATION

Product/Chemical Name: B-542 LIQUID OXYGEN SCAVENGER FOR BOILER FEED WATER
Proper Shipping Name: BISULFITES, AQUEOUS SOLUTIONS, N.O.S. (CONTAINS SODIUM BISULFITE)
Hazard Class: CLASS 8 (CORROSIVE MATERIAL)
Hazard ID#: UN2693 PACKING GROUP III
DOT Label: Corrosive
Reportable Quantity: Sodium Bisulfite: 5000 pounds
Completed by and Phone Number: Donald Carr (219) 661-8230

SECTION II - HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient Name</th>
<th>CAS Number</th>
<th>% By Weight</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM BISULFITE</td>
<td>7631-90-5</td>
<td>20-41%</td>
<td>5 MG/M³ TWA</td>
<td>5 MG/M³ TWA</td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL DATA

Boiling Point (Degrees F): DECOMPOSES
Freezing Point: CRYSTALLIZATION POINT: 39°F FOR 40% SOLUTION
Vapor Pressure (mm Hg): 32 MM HG (EST) @ 77 °F
Vapor Density (Air= 1): NOT AVAILABLE
Solubility In Water: SOLUBLE
Appearance and Odor: WATER WHITE TO LIGHT YELLOW, SULFUR DIOXIDE ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NOT AVAILABLE
HMIS and NFPA: HEALTH: 3 FIRE: 0 REACTIVITY: 1
Extinguishing Media: USE ALCOHOL-TYPE FOAM, WATER FOG, OR CARBON DIOXIDE
Reactivity: 1
Special Fire Fighting Instructions: BECAUSE SULFUR DIOXIDE GAS MAY BE PRESENT, WEAR A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS
Unusual Fire and Explosion Hazards: CAUTION! PRODUCT IS CORROSIVE. SULFUR DIOXIDE GAS WILL BE RELEASED AT A RATE INCREASING WITH TEMPERATURE.

SECTION V - HEALTH HAZARD INFORMATION

Threshold Limit Value: SEE SECTION II.
Permissible Exposure Limit: SEE SECTION II.

***Acute Effects***

Inhalation: MISTS MAY CAUSE SEVERE IRRITATION OF THE UPPER RESPIRATORY TRACT
Skin: MAY CAUSE SEVERE SKIN IRRITATION OR CORROSIVE BURNS
Eye: MAY CAUSE SEVER IRRITATION OR CORROSIVE BURNS. PRODUCT VAPOR IS IRRITATING TO EYES.
Ingestion: IRRITATING TO MOUTH, THROAT AND STOMACH.

*** First Aid ***

Inhalation: REMOVE TO A SOURCE OF FRESH AIR.

Mid-West Solutions, Inc.
Industrial Water Treatment
www.mid-westsolutions.com

11193 Lawrence Dr
Crown Point, IN 46307
Phone: (219) 661-8230
Fax: (219) 661-8230

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NOTE: 3E Company emergency number to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident. For routine questions or application information, please call Mid-West Solutions 219-661-8230

Skin: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSING.

Eye: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN IMMEDIATELY

Ingestion: IF CONSCIOUS, INDUCE VOMITING AND GET MEDICAL ATTENTION. IF UNCONSCIOUS OR CONVULSING, DO NOT INDUCE VOMITING AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

*** Medical Conditions Generally Aggravated By Exposure ***
PERSONS SUFFERING FROM ASTHMA OR OTHER RESPIRATORY PROBLEMS SHOULD AVOID ANY CONTACT OR EXPOSURE TO SODIUM BISULFITE. SENSITIVE PERSONS MAY EXPERIENCE RESPIRATORY ALLERGIC REACTIONS.

SECTION VI - REACTIVITY DATA
Stability: UNDER NORMAL CONDITIONS, THE MATERIAL IS STABLE. WITH HEAT, SULFUR DIOXIDE IS RELEASED
Incompatibility (Materials to Avoid): CAN REACT VIGOROUSLY WITH STRONG OXIDIZERS. CONTACT WITH ACIDS RELEASES SULFUR DIOXIDE GAS.
Hazardous Decomposition Products: SULFUR DIOXIDE
Hazardous Polymerization: WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES
Spill, Leak or Release: BLOCK ANY POTENTIAL ROUTES TO WATER SYSTEMS (E.G., SEWERS, STREAMS, LAKES, ETC.). RECOVER AS MUCH OF THE PURE PRODUCT AS POSSIBLE INTO POLY-DRUMS/CORROSION RESISTANT CONTAINERS. NEUTRALIZE SPILL RESIDUES WITH LIME, SODA ASH, OR SODIUM BICARBONATE - SULFUR DIOXIDE AND CARBON DIOXIDE MAY BE RELEASED DURING NEUTRALIZATION. APPLY DRY ABSORBENT MATERIAL AND SWEEP UP THOROUGHLY TO ABSORB ANY MATERIAL THAT CAN NOT READILY BE RECOVERED AS PURE PRODUCT. LATER, DETERMINE IF THIS RECOVERED PRODUCT CAN BE USED FOR ITS INTENDED PURPOSE. ADDRESS CLEAN-UP OF CONTAMINATED ENVIRONMENTS.


SECTION VIII - SPECIAL PROTECTION INFORMATION
Respiratory Protection: REQUIRED IF THE EXPOSURE LIMITS IN SECTION II ARE EXCEEDED.
Ventilation: LOCAL MECHANICAL VENTILATION IS RECOMMENDED.
Protective Clothing/Equipment: RUBBER GLOVES, IMPERMEABLE APRON AND SHOES ARE RECOMMENDED.
Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES OR FULL FACE SHIELD.
Other Protective Equipment: EYE-WASH AND SAFETY SHOWER.
Comments: NEVER EAT, DRINK, OR SMOKE IN WORK AREAS. PRACTICE GOOD PERSONAL HYGIENE AFTER USING THIS MATERIAL.
SECTION IX - SPECIAL PRECAUTIONS

Storage and Handling Conditions: AVOID STORAGE NEAR STRONG OXIDIZERS OR ACIDS. USE WITH ADEQUATE VENTILATION. AVOID SKIN CONTACT. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

SECTION X - STATE LISTS

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): THIS PRODUCT DOES NOT CONTAIN ANY COMPONENTS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY ABOVE NO SIGNIFICANT RISK LEVELS.

ADDITIONAL PRODUCT INFORMATION

*** Carcinogens as Defined By ***

NTP: NONE
IARC: NONE
OSHA: NONE

*** Environmental Information ***

SARA Title III (Superfund Amendments and Reauthorization Act) 311/312 Category
IMMEDIATE (ACUTE) HEALTH HAZARD: YES
DELAYED (CHRONIC) HEALTH HAZARD: NO
FIRE HAZARD: NO
SUDDEN RELEASE OF PRESSURE HAZARD: NO
REACTIVE HAZARD: YES

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)
THE REPORTABLE QUANTITY OF SODIUM BISULFITE IS 5000 POUNDS.

FDA (Food and Drug Administration) 21 CFR 173.310
THIS PRODUCT IS APPROVED FOR FOOD CONTACT USES WITH STEAM.

TSCA (Toxic Substances Control Act) Applicability
ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)
THIS PRODUCT IS NOT A REGISTERED PESTICIDE.

Other Information

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of our knowledge as of the date issued. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use are beyond our control, Mid-West solutions, Inc. make no warranty, express or implied, regarding the accuracy of such data or its suitability for any purchaser's use or for any consequence of its use. The data in this MSDS relates only to the specific material designated here in and does not relate to use in combination with any other material or in any process. Safe handling and use remains the responsibility of the purchaser. Mid-West solutions, Inc. assumes no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.

- End of MSDS -