

MATERIAL SAFETY DATA SHEET

Product Name : 540

Date Issued : 1/17/12

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: 540
Formula : Multi-component mixture

Chemical Synonym / C# : c540
Chemical Family: Oxygen Scavenger -
Boiler Treat

Supplier : Specialty Chemicals Inc. 208 Widedon Landing Hilton, NY 14468
Information Telephone : (585)752-2320 Emergency Telephone : (607)529-3218

SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)	ACGIH TLV (mg/m3)	
			TWA	STEL
Sodium Sulfite, catalyzed	7757-83-7	< 15.0	-	-

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

SECTION 3 : HAZARD IDENTIFICATION

Emergency Overview : Sulfite sensitive people who inhale or ingest this product may experience a severe allergic reaction. Avoid prolonged or repeated contact and observe good hygiene and safety practices when handling this product. Read the entire MSDS for a more thorough evaluation of the hazards.

POTENTIAL HEALTH EFFECTS:

- Inhalation:** May cause irritation. Sulfite sensitive individuals may experience a severe allergic reaction.
- Skin Contact:** May cause mild irritation.
- Eye Contact:** May cause mild irritation.
- Ingestion:** Oral exposure or swallowing may produce gastrointestinal upset. Sulfite sensitive individuals may experience a severe allergic reaction.

SECTION 4 : FIRST AID MEASURES

General:

- Eye Contact:** Remove contact lenses. Gently flush the eyes and surrounding areas with lukewarm water for 15 minutes. If irritation is present, seek medical attention.
- Skin Contact:** Remove contaminated clothing. Wipe material from skin. Rinse the affected areas with large volumes of water for 15 minutes. If irritation is present, seek medical attention.
- Inhalation:** Remove the patient to fresh air. If breathing has stopped or is difficult, administer artificial respiration. If irritation is present, seek medical attention.
- Ingestion:** DO NOT attempt to give anything by mouth to an unconscious person. Remove any evidence of the substance from the patient's mouth. If patient is conscious and alert, give 8 - 12 ounces of water or milk and seek medical attention.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point : N/A **Method Used:** N/A **Flammable Limits: LEL =** N/A **UEL =** N/A
Extinguishing Media: Not applicable. Use methods applicable to surrounding area.
Fire Fighting Procedures: Wear complete fire service protective equipment, including full-face MSHA/NIOSH approved self-contained breathing apparatus. Use water to cool fire-exposed container / structure / protect personnel. Water or foam may cause frothing, if product is heated above 93°C or 200°F.
Unusual Fire and Explosion Hazards: See section 10 - Hazardous Decomposition Products.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Small Spill: Absorb with suitable absorbant such as sand or vermiculite.

Large Spill: Stop leak at source and contain spill with dike made of inert material such as sand or diatomaceous earth. Pump material to suitable container for possible reuse.

Solid spill: Sweep up and return to container.

Waste Disposal: Dispose of as an industrial waste in accordance with federal, state, and local regulations.

SECTION 7 : HANDLING AND STORAGE

Handling: Avoid prolonged or repeated contact with skin or eyes. Do not wear contact lens without proper eye protection when using this product. Wash exposed areas promptly and thoroughly after skin contact from working with this product and before eating, drinking, using tobacco products or rest rooms. Avoid prolonged or repeated breathing of dusts. Avoid breathing vapors and mists. Use vacuum or wet mop to clean up dust.

Storage Requirements: Keep in a closed, properly labeled container in a well-ventilated area. Protect from physical damage.

Other: Do not take internally.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: If ventilation is inadequate, use appropriate dust MSHA/NIOSH approved respiratory protection.

Ventilation / Local Exhaust : General room ventilation.

Ventilation / Mechanical Recommendations: None required.

Skin Protection: Vinyl or rubber protective gloves and full cover clothing.

Eye Protection: Goggles with side shields or face shield.

Other Protective Equipment: Vinyl apron (optional).

Exposure Guidelines: See section 2 for ACGIH recommendations for each hazardous ingredient.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor: Clear liquid, odor nil.

Water Solubility: Complete.

pH (1%): 7 - 8

Specific Gravity: 1.1 **Boiling Point (°F):** 212+

Evaporation Rate(water=1): N/A

% volatile: N/A

Vapor Density(air=1): N/A

Vapor Pressure(mmHg): N/A

SECTION 10 : STABILITY AND REACTIVITY

Hazardous Decomposition Products: Oxides of sulfur fumes emitted when heated to decomposition. Sodium Sulfide residue may be flammable, or a dangerous fire risk, is a strong irritant to skin and tissue, and is incompatible with acids.

Chemical Stability: Stable.

Conditions to Avoid: High temperatures may yield sulfur dioxide gas and hazardous residue.

Incompatibility with other Substances: Liberates sulfur dioxide in presence of strong acids.

Strong oxidizers cause vigorous exothermic reactions.

Hazardous Polymerization: Will not occur.

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SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Data (as Sodium Sulfite) : No data.

Carcinogenicity: This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

SECTION 12 : ECOLOGICAL INFORMATION

Environmental Effects (as Sodium Sulfite) :

Aquatic Toxicity : 2600 ppm / 24, 48 & 96 hr/mosquito fish / TLm / fresh water.

Biological Demand (BOD): 0.12 lb/lb, instantaneous.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of as an industrial waste in accordance with federal, state, and local regulations.

Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No
If yes, the RCRA ID number is : N/A

SECTION 14 : TRANSPORTATION INFORMATION

Transportation Emergency Telephone Number: 3E 24 hour number : (866)302-6855*

*Please refer to c# referenced in section 1 of this msds.

DOT Proper Shipping Name: Not Regulated (Compound, cleaning, liquid, NOIBN)

DOT Hazard Class / Product Identification Number / Packing Group / DOT Label:
NOIBN

SECTION 15 : REGULATORY INFORMATION

OSHA CLASSIFICATION (USA): Physical: No data found for this product.
Health: No data found for this product.
Target Organ: No data found for this product.

SARA Regulations 313 and 40 CFR 372: This product does not contain any materials listed under 40 CFR 372.65a.

Other Regulations / Legislation which apply to this product: None known.

SECTION 16 : OTHER INFORMATION

NFPA Rating : HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

Information and data compiled to compose this MSDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.