

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: PRODUCT USE: RESTRICTIONS ON USE:

UN NUMBER: PROPER SHIPPING NAME: MANUFACTURER'S NAME: ADDRESS: EMERGENCY PHONE:

BUSINESS PHONE: SDS NUMBER: DATE OF REVISION: FORMULA 1550 BOILER WATER TREATMENT Refer to label, available technical information, and other appropriate sections of this SDS. NOT REGULATED NOT REGULATED Garratt-Callahan Company 50 Ingold Road, Burlingame, CA 94010-2206 North America: CHEMTREC: 1-800-424-9300 Outside North America: +1-703-527-3887 Product Information: 650-697-5811 SD1550 6/16/2023

SECTION 2 - HAZARDS IDENTIFICATION

SIGNAL WORD: NONE

HAZARD STATEMENT: NONE

PRECAUTIONARY STATEMENTS: (PREVENTION)

P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM



Hazard Scale 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe *=Chronic hazard



SECTION 3 - COMPOSITION/INFORMATI					
Hazardous Ingredients	CAS#	<u>EC#</u>	ICSC#	<u>WT %</u>	
NO HAZARDOUS INGERDIENTS					

NO HAZARDOUS INGERDIENTS EXCEEDING REPORTABLE THRESHOLD QUANTITIES.

SECTION 4 - FIRST AID MEASURES

Exposed individuals must be taken for medical attention if any adverse effect occurs. Take a copy of this SDS to the health professional with the individual.

Refer to Section 11 for symptoms, effects, and likely routes of exposure for this product.

TARGET ORGANS:

ACUTE: irritation of skin, eyes, respiratory and gastrointestinal systems. CHRONIC: irritation of skin, eyes, respiratory and gastrointestinal systems.

SKIN EXPOSURE: IF ON SKIN: Wash with soap and water. Minimum rinsing time is for 15 minutes. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.

EYE EXPOSURE: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Use sufficient force to open the eyelids. Have the exposed individual "roll" their eyes. Minimum rinsing time is for 15 minutes. If eye irritation persists: Get medical advice/attention.

INHALATION: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

INGESTION: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never induce vomiting or give diluents (milk or water) by mouth to someone who is unconscious, having convulsions, or unable to swallow. Call a POISON CENTER or doctor/physician if you feel unwell.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin and respiratory disorders, as well as conditions involving the "Target Organs" may be aggravated by prolonged exposures to this product. Exposed individual must seek immediate medical attention if any adverse effect occurs.

NOTES TO PHYSICIAN: Treat symptoms as demonstrated by signs and distress in the patient.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MATERIALS:	Product is not flammable. Use any means suitable for extinguishing surrounding fire.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	Not considered to be an explosion hazard.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	Firefighters should wear fully protective clothing (chemical impermeable, fully encapsulated suit) and positive pressure self-contained breathing apparatus. Do not release run off from fire control methods to sewer or waterways.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, ENVIRONMENTAL PRECAUTIONS AND EMERGENCY PROCEDURES.

WARNING: Any container expansion or rounding indicates pressure build-up. Use extreme caution. When opening, release pressure slowly through opening.

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by appropriately trained personnel using preplanned procedures. Proper protective equipment should be used, refer to Section 8 - exposure controls. P391: Collect spillage.

Small Spill: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Restrict access to the area. Provide adequate protective equipment and ventilation. Stop leak if without risk. Remove chemicals which can react with the spilled material. Prevent entry into surface waters, sewers, basements or confined areas, dike if needed. Ensure that exposure to product is not at a concentration exceeding regulatory limits. Decontaminate the area thoroughly. Decontaminate all response equipment with soapy water before returning to service. Place all spill residue in a suitable container and seal.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep out of reach of children. All employees who handle this material should be trained to handle it safely. Open containers slowly on a stable surface. As with all chemicals, avoid getting this product ON YOU or IN YOU. Avoid direct or prolonged contact with skin or eves. Do not ingest. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors, dusts or mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately. Use only as directed. Refer to Section 8 for exposure controls.

CONDITIONS FOR SAFE STORAGE: Containers of this product must be properly labeled. Storage areas of this product should be clearly identified, well-illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store containers in a clean, cool, well ventilated, dry location, away from direct sunlight, away from incompatible materials at temperatures between 50°F (10°C) - 100°F (37°C). Keep container tightly closed when not in use. P405: Store locked up. Do not ingest. Do not breathe vapor mist. Wash hands after handling. Refer to Section 10 for incompatibilities. P403+P233: Store in a well ventilated place. Keep container tightly closed.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Eyewash/safety shower station is recommended to be available near where this product is used/stored.							
EXPOSURE LIMITS/GUIDELINES:		EXPOSURE LIMITS IN AIR					
CHEMICAL NAME	<u>CAS#</u>	ACGIH TLV TWA STEL	<u>OSHA PEL</u> TWA	<u>OTHER</u>			
NO HAZARDOUS INGERDIENTS EXCEEDING REPORTABLE THRESHOLD QUANTITIES.							
NE = Not Established							
INGESTION:	Do not eat, drink, smoke skin/hair thoroughly after		n handling this product.	Wash all exposed			
RESPIRATORY PROTECTION:	Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. Air-purifying respirators with dust/mist/fume/spray filters are recommended if operations may produce dusts, mists or sprays from this product with concentrations at or above levels posted above.						
EYE PROTECTION:	Wash all exposed skin/hair thoroughly after handling. Wear chemical safety goggles or safety glasses with side shields. A face shield may also be necessary for splash protection.						
SKIN PROTECTION:	Wash all exposed skin/ha clothing/eye protection/fa when handling this produ	air thoroughly after hand ace protection. Use chem	ling. Wear protective glo nically-resistant gloves a	oves/protective and skin protection,			
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES							
APPEARANCE and COLOR: ODOR :	Clear liquid Mild	VAPOR PRESSUF VAPOR DENSITY	RE, mm Hg @ 20°C: (Air=1):	Not established Heavier than air			
ODOR THRESHOLD:	Not established		TY@20°C (water=1):	1.10 - 1.20 g/L			
pH:	5.0 - 7.0	SOLUBILITY IN W	=	Complete			
MELTING/FREEZING POINT: BOILING POINT:	32°C (0°C) 212°F (100°C)	PARTITION COEF AUTOIGNITION T	FICIENT(n-octanol/wat EMPERATURE:	er): Not established			

Non-flammable

Less than ether

DECOMPOSITION TEMPERATURE:

EVAPORATION RATE (n-BuAc=1):

FLASHPOINT:

Not established

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SECTION 10 - STABILITY AND REACTIVITY

 REACTIVITY:
 Product is not reactive under standard ambient temperature and pressure.

 STABILITY:
 Stable under normal condition of use and storage.

 POSSIBILITY OF HAZARDOUS REACTIONS:
 Will not occur.

 CONDITIONS TO AVOID:
 No information found.

 INCOMPATIBLE MATERIALS:
 No information found.

 HAZARDOUS DECOMPOSITION PRODUCTS:
 Sodium and phosphorus oxides may form.

SECTION 11 - TOXICOLOGICAL INFORMATION

 TOXICOLOGICAL EFFECTS:
 No data available for this product.

 LIKELY ROUTES OF EXPOSURE:
 Skin/eye contact and inhalation.

 RELATED SYMPTOMS:
 Skin, eye, respiratory and gastrointestinal irritation. May be toxic if swallowed.

 DELAYED/IMMEDIATE/CHRONIC
 EFFECTS FROM SHORT AND

 LONG TERM EXPOSURES:
 Skin, eye, respiratory and gastrointestinal irritation. May be toxic if swallowed.

 NUMERICAL MEASURES OF
 TOXICITY:

 Not established for this product.

CARCINOGENICITY: None of the components of this product are listed by the NTP, IARC, or regulated by OSHA AS carcinogens.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION. ECOTOXICITY: 96-hour Ceriodaphnia dubia LC50: 506 ppm ; 96-hour Fathead minnow LC50: 506 ppm PERSISTANCE AND DEGRADABILITY: No data available for this product. BIOLOGICAL ACCUMULATION POTENTIAL: No data available for this product. MOBILITY IN SOIL: No data available for this product. OTHER ADVERSE EFFECTS (i.e., hazardous to the ozone layer): No data available for this product.

BIOLOGICAL EXPOSURE INDICES: Currently, Biological Exposure Indices (BEIs) have not been determined for the components of this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Thoroughly drain/empty containers and offer for recycling. Refer to Section 8 for exposure controls - personal protection. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME

DOT: NOT REGULATED IMDG/IMO: NOT REGULATED IATA/ICAO: NOT REGULATED

ENVIRONMENTAL HAZARDS

(i.e., MARINE POLLUTANT): No data available for this product.

TRANSPORT IN BULK (according to

annex II marpol 73/78 and the IBC code): Not applicable. SPECIAL PRECAUTIONS FOR USER: None known.

United States and International Regulations

United States Regulations: U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting as listed below, requirements of Sections 302, 304, and 313 of Title of the Superfund Amendments and Reauthorization Act:

CHEMICAL NAME

NO HAZARDOUS INGERDIENTS EXCEEDING REPORTABLE THRESHOLD QUANTITIES.

U.S. Regulations

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product.

The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None.

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory, or are exempt. SARA Title 311/312, Hazard Category: Acute Health: NO; Chronic: NO; Fire: NO; Reactive: NO; Sudden Release of Pressure: NO

California safe drinking water and toxic enforcement act (proposition 65): No component of this product is on the Proposition 65 list.

International Regulations

CANADIAN REGULATIONS: CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL or NDSL Inventories or are exempt from listing. CANADIAN WHMIS CLASSIFICATION: None.

SECTION 16 - OTHER INFORMATION

PREPARED BY: GARRATT CALLAHAN

DATE OF REVISION: 6/16/2023 Supercedes: 12/06/2017

Formula 1550 is registered with the NSF to the NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds for category codes G6; with NSF Reg. No. 141317.

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