

## SHS TECH- IMO CERTIFIED SEWAGE TREATMENT SYSTEM

IMO Res. MEPC.227 (64)

Routine crewman operating and inspection requirements are listed in the Routine Inspection and Maintenance Section of the Manufacture's manual.

# SEWAGE

### Check Appropriate Box:

#### ROUTE OF ENTRY

- ☐ INHALATION
- ☐ SKIN ABSORPTION
- ☐ INGESTION
- ☒ SKIN OR EYE CONTACT

#### HEALTH HAZARDS

- ☐ NO HEALTH HAZARD
- ☒ TOXIC
- ☐ HIGHLY TOXIC
- ☐ REPRODUCTIVE TOXIC
- ☐ IRRITANT
- ☐ CORROSIVE
- ☐ SENSITIZER
- ☐ CARCINOGEN

#### PHYSICAL HAZARDS

- ☐ NO PHYSICAL HAZARDS
- ☐ COMBUSTIBLE LIQUID
- ☐ COMPRESSED GAS
- ☐ OXIDIZER
- ☒ FLAMMABLE GAS
- ☐ EXPLOSIVE
- ☐ FLAMMABLE LIQUID/SOLID
- ☐ PYROPHORIC
- ☐ ORGANIC PEROXIDE
- ☐ WATER REACTIVE
- ☐ UNSTABLE (REACTIVE)

#### TARGET ORGANS & EFFECTS

- ☐ LUNGS
- ☐ HEART
- ☐ KIDNEY
- ☐ EYES
- ☒ SKIN
- ☐ PROSTATE
- ☐ BLOOD
- ☐ LIVER
- ☐ CENTRAL NERVOUS SYSTEM
- ☐ CARDIOVASCULAR SYSTEM
- ☐ MUCUS MEMBRANE
- ☐ AUTONOMIC NERVOUS SYSTEM
- ☐ RESPIRATORY SYSTEM
- ☐ BLOOD
- ☐ MUTAGEN
- ☐ TERTOGEN

**1 HEALTH**

**2 FLAMMABILITY**

**0 REACTIVITY**

**B PROTECTIVE EQUIPMENT**

Methane and Hydrogen Sulfide can be generated during the sewage treatment process. Do not cut or burn on M.S.D. unit before checking for flammable gas. Avoid breathing gas in aeration chamber. Do not smoke near open aeration chamber.

Fecal Coliform Bacteria can be present during the sewage treatment process. This bacteria presents a skin and ingestion hazard during Maintenance and inspection. Rubber gloves, eye protection, and thorough post-maintenance decontamination are required.

Operating temperatures are 40 to 120 F. The unit must be protected from freezing, if the unit has not been winterized in accordance with the Storage and Winterization Procedures found in this manual it could be damaged and need internal repairs.

Water Requirements: The SHS TECH Marine Sanitation Device can operate using fresh, brackish, or salt water. The salinity of the water cannot exceed 4% NaCl.

low-flush (1.6 gal/flush) toilet be utilized with your unit, for proper operation. Use of any other type of toilet will alter the treatment capacity of your system.

Maximum Allowable Tilt Angle will maintain treatment efficiency with vessel pitch and roll angles of up to 15°. Angles greater than 15° can stop the unit from working properly until it has been serviced, to start the digestive process again. No physical damage will occur at angles less than 30°