

Generic Material Safety Data Sheet (MSDS) For Potable Water, Scrubber Water, Ballast Water

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1	Product	Potable water is water that is safe for human consumption and meets regulatory standards for drinking. It is free from harmful bacteria, chemicals, and other contaminants. Scrubber water is the water collected from marine exhaust gas cleaning systems (scrubbers). It contains residues from fuel oil combustion, such as sulfur compounds, heavy metals, and particulate matter. Ballast water is seawater taken into a ship's ballast tanks to maintain stability, trim, and structural integrity. It may contain microorganisms, plankton, sediment, and trace chemicals.
2	Hazards Identification	These waters are generally not hazardous. Potable water is safe for normal use. Scrubber water and ballast water may contain small amounts of residues or organisms, so it's recommended to avoid prolonged contact with skin or eyes and prevent release into the environment. Spills may be slippery.
3	Composition & Information On Ingredients	Water Type: Potable Water Water (H ₂ O) Main Components / Ingredients: Water (H ₂ O) Typical Notes / Impurities: May contain trace minerals or salts depending on source. Non-hazardous. Water Type: Scrubber Water Main Components / Ingredients: Water (H ₂ O), small amounts of sulfur compounds, particulate matter, trace metals Typical Notes / Impurities: Results from exhaust gas cleaning; may be slightly acidic. Water Type: Ballast Water Water Main Components / Ingredients: Water (H ₂ O), dissolved salts, microorganisms, plankton Typical Notes / Impurities: composition varies with source; may contain small amounts of sediment or pollutants.
4	First Aid Measures	Ingestion: Potable water: safe, no action required. Scrubber water / Ballast water: if swallowed in small amounts, rinse mouth and drink water; seek medical advice if discomfort occurs. Skin Contact: Wash affected area with soap and water. Eye Contact: Rinse eyes thoroughly with clean water for several minutes. Inhalation: Unlikely to cause harm under normal conditions. Move to fresh air if any discomfort occurs.
5	Fire Fighting Measures	These waters are not flammable. In case of fire nearby, use extinguishing media suitable for surrounding materials. Spills may be slippery, so exercise caution.
6	Accidental Release Measure	In case of a spill, avoid slipping and contain the water if possible. Clean up using absorbent materials or by pumping, and prevent release into the environment. Wash the area with water afterward.
7	Handling/Storage	Handle waters carefully to avoid spills and slipping. Store in clean, labeled containers and keep them closed when not in use. Avoid contamination and prevent release into the environment.
8	Exposure Controls/Personal Protection	No special controls are normally required. Avoid prolonged contact with skin or eyes. Wear gloves and safety glasses if handling large quantities or if there is a risk of splashing. Ensure good hygiene by washing hands after handling.
9	Physical And Chemical Properties	Appearance: Clear to slightly colored liquid Odor: Odorless or slight odor depending on source pH: Typically 6–8 (Potable), slightly acidic for Scrubber Water, variable for Ballast Water Boiling Point: ~100°C (depends on water and dissolved substances) Freezing Point: ~0°C (depends on dissolved salts) Solubility: Miscible with water (all three types are water) Density: ~1 g/cm ³ (may vary slightly with salts or residues) Flash Point: Not applicable, non-flammable
10	Stability/Reactivity	These waters are stable under normal conditions. They are non-reactive with most common materials and do not pose any fire or explosion hazards. Avoid contamination with strong oxidizers or hazardous chemicals.
11	Toxicological Information	Potable water is non-toxic and safe for consumption. Scrubber water and ballast water may contain small amounts of residues or microorganisms; ingestion or prolonged skin contact should be avoided. No significant long-term health effects are expected under normal handling conditions.
12	Ecological Information	Potable water poses no environmental hazard. Scrubber water and ballast water may contain residues or organisms that could affect the environment if released untreated. Avoid discharging these waters directly into natural water bodies.
13	Disposal Considerations	Potable water can be safely discharged. Scrubber water and ballast water should be disposed of according to local regulations and environmental guidelines to prevent contamination. Avoid direct release into natural water bodies without proper treatment.
14	Transport Information	<u>IATA/IMDG/ICAO: NOT REGARDED AS HAZARDOUS MATERIAL FOR TRANSPORTATION.</u> NOT REGULATED AS PER IATA
15	Regulatory Information	These waters are generally not subject to specific regulatory controls. Scrubber water and ballast water should be managed in accordance with local, national, and international environmental regulations to prevent pollution.
16	Other Information	This document is intended as a generic MSDS for the transportation of small samples for laboratory testing and not intended as an MSDS for commercial shipments. The information is gathered from MSDS and Information of manufacturers of such products. We accept no liability for the use of this MSDS and it is the user's responsibility to satisfy himself as to the suitability and completeness of the information for his purpose.

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