
SOx Guard (912012): Storage and Handling Guidelines

Product Description:

Caustic Soda (sodium hydroxide solution) is a highly corrosive alkaline chemical commonly used in marine applications for cleaning, pH adjustment, and exhaust gas scrubbing (SOx reduction) in the Scrubber system. Its primary function is to effectively reduce Sulphur oxide (SOx) emissions.

Storage Recommendations:

1. **Storage Conditions:** Store in a cool, dry, and well-ventilated area, away from acids, organic materials, and incompatible substances.
2. **Temperature:**
 - Maintain storage temperature between **10°C and 30°C** (50°F – 86°F).
 - Prevent freezing, as crystallization may occur below 12°C (54°F).
 - Avoid prolonged exposure to high temperatures, which can degrade container integrity and product stability.
3. **Avoid Contamination:** Keep away from direct sunlight and heat sources.
4. **Labeling and Sealing:** Ensure all containers are properly labeled, sealed tightly, and stored upright to prevent leaks or vapor escape.
5. **Ventilation:** Storage area should have corrosion-resistant ventilation to safely disperse any fumes.

Handling Instructions:

1. **Protective Gear:** Use appropriate personal protective equipment (PPE) when handling SOx Guard.
2. **Spill Management:** In case of spills or leaks, contain the area and clean with absorbent materials. Rinse affected surfaces with water. Avoid direct contact with skin and eyes. Use closed systems or proper pumps to transfer the product. Do not use Aluminium or galvanized equipment for transfer or storage.
3. **Avoid Mixing:** Do not mix SOx Guard with other substances unless approved by the manufacturer.
4. **Compatibility:** Ensure compatibility with scrubber systems and follow manufacturer guidelines for usage.
5. **Shelf Life:** The recommended shelf life of SOx Guard remains stable for extended periods when stored in sealed, corrosion-resistant containers under recommended conditions.

Compliance:

These guidelines are in accordance with **ISO 9001:2015** and general chemical handling regulations. Always refer to the product's **Safety Data Sheet (SDS)** for detailed hazard, first aid, and emergency response information.

For further assistance or clarification, please contact our technical support team.