

GUIDELINES FOR MANAGEMENT OF BULK SULPHUR

***PRESENTED TO SUPERVISORS OF MANAGEMENT AND CONTROL OF CHEMICALS
AND THEIR PRODUCTS - ARUSHA***

15.12.2024

OUTLINE

- Introduction
- Requirements for Designation of a Port or Area for Handling of Sulphur
- General Requirements for Sulphur Handling
- Requirements for Loading and Repackaging of Bulk Sulphur
- Conditions for Transportation of Loaded or Repacked Sulphur

BACKGROUND

- ❖ The Chief Government Chemist and Registrar of industrial and consumer chemicals as provided under Section 10(2)(g) of the Act is **mandated to make guidelines** for sound management and **effective control of chemicals**.

- ❖ Guidelines For Management of Bulk Sulphur provide **guidance on management and control** of bulk sulphur

GUIDELINES FOR MANAGEMENT OF BULK SULPHUR

- ❖ The guidelines provide directives for:
 - ✓ Designation of **a port or area** for handling of Sulphur,
 - ✓ General management,
 - ✓ **Loading and packaging**, and
 - ✓ Conditions for **transportation of loaded** or **repacking** of bulk Sulphur

REQUIREMENTS FOR DESIGNATION OF A PORT OR AREA FOR HANDLING OF SULPHUR

- ❖ The Director General of the Tanzania Port Authority to **designate the port or an area** where the operations for handling of Sulphur will be undertaken.
- ❖ The **designated port or area** for handling of bulk Sulphur to meet the following requirements:
 - ✓ A port or area where there are no other operations.

REQUIREMENTS FOR DESIGNATION OF A PORT OR AREA FOR HANDLING OF SULPHUR

- ✓ In case, the port or area to be **designated has other port operations**, Sulphur handling operations must be undertaken:
 - a) Away from other activities/operations.
 - b) In a closed system by use of special equipment which the chemical from the vessel to the closed transport facility directly.
 - c) The storage is away from the area which has other operations.

REQUIREMENTS FOR DESIGNATION OF A PORT OR AREA FOR HANDLING OF SULPHUR

- ✓ Possess appropriate firefighting equipment/ systems.
- ✓ Have knowledgeable personnel on the adverse effects of the chemical to health and the environment.
- ✓ Be away from source of ignition and oxidizing agent.

GENERAL REQUIREMENTS FOR SULPHUR HANDLING

The general requirements for safe handling of Sulphur include:

- a) The operations including storage area should be away from sources of ignition and oxidizing agents.
- b) The whole operations should avoid dust generations or releases.
- c) Possess appropriate firefighting equipment/ systems.
- d) Provide appropriate warning signs/posters.

GENERAL REQUIREMENTS FOR SULPHUR HANDLING

- e) Make sure that there is no release of spill or leakage to the environment.
- f) Immediately attend and inform the Registrar and other relevant authorities of any spillage, leakage or occurrence of other accidents .
- g) Inform GCLA for supervision during loading and offloading operations of Sulphur

REQUIREMENTS FOR LOADING AND REPACKAGING OF BULK SULPHUR

A container or packaging material for loading or repackaging of bulk Sulphur should **be suitable for storage of a chemical for which an application for storage** has been made and shall:

- a) Not be reactive with the chemical in question.
- b) Be free from the possibility of leakage.
- c) Be capable of protecting the health of persons involved in handling the chemical, the neighbouring community and the environment in general.

REQUIREMENTS FOR LOADING AND REPACKAGING OF BULK SULPHUR CONT.....

- d) Be conducted in the closed system from the vessel to transport facility without release to the environment.
- e) A container or packaging materials for loading or repackaging of bulk chemicals shall be:
 - ✓ Labeled;
 - ✓ Punctured after its lifespan or after use.
 - ✓ Disposed of in accordance with recommended and approved methods.

CONDITIONS FOR TRANSPORTATION OF LOADED OR REPACKED SULPHUR

- ❖ Use appropriate means of transport (safety handling of Sulphur)
- ❖ Ensure that each transport facility is labeled with appropriate symbols, provided with:
 - ✓ First Aid equipment,
 - ✓ firefighting equipment, and
 - ✓ communication system according to procedures for safe handling of Sulphur

CONDITIONS FOR TRANSPORTATION OF LOADED OR REPACKED SULPHUR

- ❖ Ensure that the Sulphur consignment is accompanied by transport permits issued by GCLA and all other necessary transport documents at all times.
- ❖ Use the shortest routes or route presenting the lowest risk for the public and the environment.
- ❖ Provide adequate protective and safety gears to personnel involved in handling of Sulphur.

CONDITIONS FOR TRANSPORTATION OF LOADED OR REPACKED SULPHUR

- ❖ Ensure Sulphur is transported in a covered transport facility or closed container at all times in order to prevent any releases or leakages.
- ❖ Provide basic training to staff on safe transportation of Sulphur and handling of emergency cases or accidents.
- ❖ Comply with any other conditions which the Registrar may direct.

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