

Method Statement for Application of BC Chemsol 101

1. Purpose

The purpose of this method statement is to define the procedure for the proper handling and application of Building chemistry low boiling thinner BC Chemsol 101 in various industrial applications. This will ensure safety, quality, and efficiency in the process.

2. Scope

This method statement applies to all personnel involved in the storage, handling, and application of low boiling thinner in painting, cleaning, or surface preparation works.

3. Responsibilities

Site Supervisor/Engineer:

Ensures compliance with the method statement, including safety procedures and proper execution of tasks.

Skilled Worker:

Responsible for handling and applying the thinner as per the guidelines.

Safety Officer:

Ensures the implementation of safety measures and monitors work conditions.

4. Materials and Equipment

Low boiling thinner- BC Chemsol 101
Paint or coating materials
Brushes, rollers, or spray equipment
Personal Protective Equipment (PPE): gloves, goggles, respirator mask, coveralls
Spill containment materials (absorbents, pads)
Fire extinguishers and ventilation systems

5. Procedure

5.1 Preparation

Risk Assessment:

Conduct a site-specific risk assessment to identify hazards such as inhalation risks, fire hazards, and environmental contamination.

Safety Precautions:

Ensure the work area is well-ventilated. Place fire extinguishers near the work site.

Surface Preparation:

Ensure that surfaces where the thinner will be applied are free from dust, dirt, and moisture.

Storage and Handling:

Store low boiling thinner in a cool, dry, well-ventilated area, away from ignition sources. Containers should be properly sealed when not in use.

5.2 Mixing and Application

Mixing:

Follow the manufacturer's guidelines on the required ratio of thinner to paint or coating material. Mix the thinner thoroughly into the paint using a clean stir stick or mechanical mixer. Ensure uniform consistency.

Application Method:

Spraying:

Use an airless sprayer or a low-pressure spray gun for even application. Maintain an appropriate distance between the spray nozzle and the surface.

Brushing/Rolling:

Dip the brush or roller into the thinned paint, apply in smooth, even strokes. Avoid over-application or pooling of the paint.

Cleaning:

Low boiling thinner is often used to clean spray equipment and brushes. Thoroughly clean tools after use, following the manufacturer's instructions.

5.3 Curing and Drying

Allow sufficient drying time as specified by the product manufacturer. Ensure proper ventilation to expedite drying.

Do not expose the area to moisture or water during the curing process.

5.4 Clean-Up and Disposal

Clean all equipment with the appropriate cleaning agents (often low boiling thinner itself).

Dispose of any waste materials or used thinner according to local environmental regulations. Do not pour into drains or soil.

6. Health and Safety

Personal Protective Equipment (PPE):

Workers must wear appropriate PPE, including respirators, gloves, and goggles.

Ventilation: Ensure that the work area has adequate ventilation to prevent the build-up of vapors, which can be hazardous.

Fire Safety:

Low boiling thinner is highly flammable. Keep all sources of ignition, including open flames and sparks, away from the work area.

Spill Response:

In case of a spill, contain it immediately using absorbent materials and dispose of waste in compliance with regulations.

Emergency Procedures:

Ensure all workers are aware of emergency procedures in case of fire or chemical exposure. Keep first aid and fire extinguishing equipment readily accessible.

7. Inspection and Quality Control

Visual Inspection:

Ensure that the thinner is mixed properly and applied evenly. Check for areas of uneven coverage, drips, or runs.

Safety Check:

Verify that all safety measures are in place, including fire extinguishers, spill control materials, and PPE usage.

8. Records and Documentation

Maintain records of thinner used, quantities mixed, and application details.

Document any safety incidents or near-misses and take corrective actions as needed.

This method statement serves as a guideline for the correct use of low boiling thinner BC Thinner 101 in industrial applications, ensuring safety, compliance, and the desired quality of work.