



## Risk Element

- Exposure to fumes;
- Eye injury;
- Burn injury;
- Exposure to toxic fume;
- Skin contact.

### Personal protective equipment

Safety boots / shoes. Overalls. Goggles or face mask. Pvc apron. Pvc gauntlets

### ADDITIONAL PRECAUTIONS

- Avoid heat sources and moisture;
- Reaction with aluminum or magnesium generates flammable and potentially explosive hydrogen gas; reaction with nitromethane and nitrophenols produces shock-sensitive explosive salts;
- Do not mix with acids or organic materials;
- When mixing with water, always add caustics/alkalines slowly to the water and stir continuously. Never add water in limited quantities to solid hydroxides.

### Actions prior to commencing work

- The following is required; overalls, safety boots/shoes or wellingtons these should be non-slip chemical resistant. Full face mask or goggles. Pvc or rubber gauntlets, rubber apron;
- Visually inspect the machine ensuring that there are no leaks, any electrical boxes are closed, the wash liquid level is correct, all guards are fitted and working. Check access areas around the machine for debris, tools or rubbish which could present a trip hazard. Familiarise yourself with the controls and ensure you know where the red emergency stop button is located.

### Duties and responsibilities whilst working

- Use machine isolator to on turn tank heater to on allow solution to reach operating temperature. check for any piping leaks;
- Check for leaks around access doors;
- Check temperature gauge for correct operation, check for mist or vapour escaping;
- Lower compressor parts slowly into tank using hoist either singly or in a metal basket and close wash tank doors. On completion of the timed wash cycle open wash tank doors and hoist parts out of machine allowing time for drips to run off back into tank;
- For small spills, follow chemical spill response guidelines above. Don protective clothing and carefully apply neutralization powder or liquid, whichever is most appropriate, to the spill. Allow time to neutralize, and then apply liquid absorbent pellets or powder.

### Charging or topping up the tank with chemical solution

- When charging or topping up the tank with chemical solution operators must follow the manufacturers instructions and wear the personal protective equipment provided, particularly the face mask;
- The chemical data sheet provided must be read before commencing operations;
- The chemical should be poured slowly into the tank to avoid splashing. Any splashes onto clothing or skin must be washed off immediately with fresh water and the operator should report to the first aid person for checking.