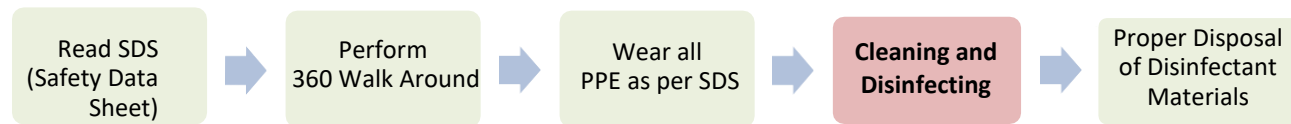


Safe Operating Practice

Cleaning and Disinfecting for Equipment



This SOP describes best practice for complete disinfection of MHI vehicles and equipment.

Potential Injuries: Potential exposure to any harmful viruses (e.g. Covid-19, H1N1, etc.)

Potential P&E Incidents: N/A

Mandatory CSA Approved PPE: Gloves as recommended in SDS, eye protection, footwear, high visibility apparel.

Recommended CSA Approved PPE: Face mask, hard hat, hearing protection and high visibility apparel.

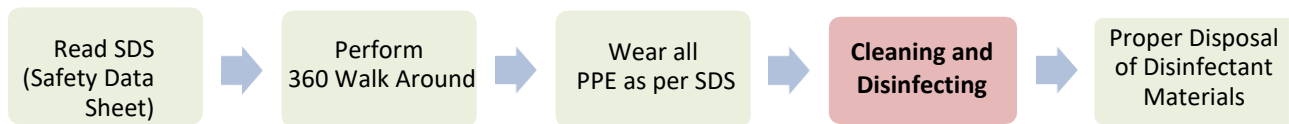
Tools & Equipment: Clorox, LYSOL, Fantastik, Spray 9 Industrial, etc.

Best Practice:

- The employee/operator finishing the shift and/or finish using the equipment/vehicle is responsible to clean/disinfect the equipment/vehicle;
- Ensure that Safety Data Sheet (SDS) are read and understood. (If you have any questions, contact your Supervisor);
- Use of personal protective equipment (PPE) in accordance with SDS:
 - e.g. Gloves, Eye protection as stated in SDS;
- Perform a visual inspection from both sides (out and inside) of equipment/vehicle, prior to start cleaning;
- Make sure all surfaces are wiped down thoroughly:
 - e.g. (For vehicles) outside and inside door handles, steering wheel, gear shift, controls, etc.;
 - e.g. (for equipment) keyboard, telephone, desk, office door handles, etc.
- Ensure that all decanted cleaning products are properly labelled and stored in accordance with SDS;
- Ensure all emergency exits are unobstructed at all times;
- If, any bodily fluids or sharps/needles are discovered immediately report to your Supervisor;
- Dispose of gloves and disinfection products as per SDS sheet;
- If commonly used disinfectant materials (as mentioned in tools & equipment section) are not readily available follow these steps:
 - Supervisor/Crew must make sanitizing solution in the shop by following four simple steps below using household bleach; this can be used with spray bottle (see the picture) to clean/disinfecting equipment/vehicles:
 - Use undiluted household bleach (5.25% - 50,000 ppm) when making the solutions (see the chart on second page);
 - When making bleach solutions add bleach to water **do not add water to Bleach**;
 - Store bleach solutions in closed containers (see the picture on the next page), keep away from heat and light;
 - Bleach should be properly labeled (as per SDS).

Safe Operating Practice

Cleaning and Disinfecting for Equipment



Pic 1: Spray Bottle that may be used for cleaning

Parts per million (ppm) Concentration	Recipes
100 ppm (1 :500. 0.01%)	Mix 2 ml (0.4t) of bleach with – 1L (4 cups) of water
1,000 ppm (1 :50. 0.1%)	Mix 20 ml (4t) of bleach with – 1L (4 cups) of water
5,000 ppm (1 :10. 0.5%)	Mix 100 ml (6 ¼ tb) of bleach with – 1L (4 cups) of water

Chart: Bleach Concentration Solution Chart

Related SOPs: N/A

Related Training: N/A

Related Manuals: Safety Handbook, Applicable Unit/Equipment Operation

Additional Resources:

<https://www.americanchemistry.com/Novel-Coronavirus-Fighting-Products-List.pdf>

<https://www.canada.ca/en/public-health/services/diseases/coronavirus-disease-covid-19.html>

<https://www.saskatchewan.ca/government/health-care-administration-and-provider-resources/treatment-procedures-and-guidelines/emerging-public-health-issues/2019-novel-coronavirus>

<https://www.ccohs.ca/outbreaks/>