



Chemical Safety Talk

1. Introduction (1-2 minutes)

Why It Matters:

Welcome everyone! Today's safety talk focuses on **Chemical Safety**. Chemicals are used in almost every industry — from cleaners and paints to fuels and solvents. If mishandled, they can cause burns, respiratory issues, fires, explosions, or long-term health damage. Understanding how to safely handle chemicals protects you, your coworkers, and the environment.

2. Key Safety Points (3-5 minutes)

“Don't treat chemicals casually — they can hurt you in seconds or over years.” Taking time to read labels, wear the right gear, and work smart could prevent accidents, injuries, or harm.

Common Chemical Hazards

- Flammable – Can catch fire easily (e.g., acetone, gasoline)
- Corrosive – Burns skin or eyes (e.g., acids, bleach)
- Toxic – Harmful if inhaled, ingested, or absorbed (e.g., pesticides)
- Reactive – Can explode or release gas when mixed (e.g., ammonia + bleach)
- Carcinogenic – Can cause cancer after long exposure (e.g., formaldehyde)

Key Safety Rules

Read the SDS (Safety Data Sheet)

- Know the hazards of every chemical you use.
- Look up personal protective equipment (PPE), storage, first aid, and spill response info.

Check the Label

- Never use a chemical from an unlabeled container.
- Make sure labels are legible and match the Safety Data Sheet (SDS).



Wear the Right Personal Protective Equipment (PPE)

- Gloves – chemical-resistant (not just any gloves)
- Goggles or face shield – especially for splash hazards
- Apron or coveralls
- Proper respirator if fumes are present (only if trained and fit-tested)

Handle with Care

- Never mix chemicals unless trained to do so.
- Use in well-ventilated areas or under fume hoods.
- Store chemicals according to compatibility (e.g., acids away from bases).

Know Emergency Procedures

- Know where the eyewash station and emergency shower are.
- Know how to report a spill and what steps to take.
- If exposed, act fast — rinse immediately and alert your supervisor.

3. Demonstration & Checklist (3-5 minutes)

- **Interactive Segment:** What to do if:

Situation	Action
Chemical Gets in eyes	Go to eyewash station, flush for 15 minutes, seek medical attention
Skin Contact	Rinse with water, remove contaminated clothing
Inhalation	Move to fresh air, seek help if symptoms occur
Spill Occurs	Alert others, follow spill response guidelines outlined in the SDS, wear PPE.

Do you know where to find the chemical SDS? Show where to find it in yellow SDS notebook or EHS website Safety Data Sheet (SDS).



4. Conclusion (2 minute)

- **Summary:** Follow chemical manufacture guidelines and stay safe.
- **Call to Action:** Read the chemical label and SDS before use, never mix chemicals especially bleach and ammonia = toxic chloramine gas, use in well-ventilated areas, use PPE, apply properly, store safely, and ensure labels are always legible.
- **Report Accidents:**
 - Always report any workplace hazards, no matter how minor it seems, to your supervisor or EHS office for documentation and follow-up.

Thank you: "Thank you for your time and attention today. Safety is everyone's responsibility. Stay alert, stay safe!"
