

Top 10 High Hazard Chemicals

The [Hazard Communication Program](#) is designed to ensure employees are made aware of hazards associated with the chemicals they work with and how to protect themselves from those hazards when working with or around these chemicals. Production is required to implement a Hazard Communications Program and maintain an inventory of all chemicals used on production by using the [Chemical Management System](#) provided by VelocityEHS. This system keeps track of all chemicals purchased or used by production and gives employees quick access to their respective Safety Data Sheets (SDSs). Contact your Production Safety Representative if you need assistance in setting up your VelocityEHS account.

Once the chemical list is entered into VelocityEHS, your Production Safety representative can review the list, identify whether any of the high-hazard products are being used on production, and provide guidance to department heads on how to reduce the potential risks associated with the chemicals by recommending additional control measures, eliminating their use, or suggesting safer alternatives.

Below is a list of the Top 10 High Hazard Chemicals used on production and their common uses. Please inform your Production Safety Representative as soon as possible if any of these hazardous chemicals will be purchased or used on production.

Top 10 High Hazard Chemicals of Concern or of Interest	Potential Product(s) Type/Tasks/Uses
<p>Metals Lead, Cadmium, Chromium (hexavalent), arsenic, etc.</p>	<ul style="list-style-type: none"> • Welding, cutting, soldering, brazing of any metals • Damaged or peeling paints, renovations, location work • Art department, paints • Industrial areas and soils, or demolition operations • Ceramics, glazes • Electronics, automotive/aircraft parts • Possible 3D printing operations
<p>Isocyanates</p>	<ul style="list-style-type: none"> • Spray foams (2K); Foam formation (polyol mix with isocyanate) • Two-part (2K) painting operations (corrosion/adhesive) • Casting, molding Urethane or Polyurethane, Foam • Latex and Prosthetics • Rubber: Polyurethane/urethane • Foam landscapes/crash mats (cutting/heated, sculpting) • Fire block foam materials • Sealers and varnishes • Adhesives: Polyurethane, Automobile Construction/repair operations • Sanding/Hot Knife cuts; cured products • Glues/Resins • Spandex
<p>Asbestos Containing Material (ACM)</p>	<ul style="list-style-type: none"> • Building materials; Brakes/Automotive period vehicles • Thermal insulation • Fire-retardant • Decorative paints and plasters

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Crystalline Silica	<ul style="list-style-type: none"> • Sand, Dirt, Movie dirt. • Digging/Drilling into soils in roads or concrete. • Molding operations; special effects or location impacts. • Grinding, cutting, sanding on counter tops, concrete, stone or ceramic floors
Carcinogen (1A or 1B) COC	<ul style="list-style-type: none"> • Poison labels or Health Hazard labels or Prop 65 labeled products. • Common in dyes, adhesives, pesticides, counter tops, foams, paints, etc.
Volatile Organic Chemicals (VOC) Organic Solvents: Benzene, Toluene, Xylene or Chlorinated (Methylene Chloride)	<ul style="list-style-type: none"> • Paints, thinners, spray operations
Formaldehyde	Pressed Wood, Medium Density Fiberboard (MDF), foams insulation, paint and coatings, preservatives, Adhesives and sealants, laminates and veneers cutting, heating on urea formaldehyde glues or paints
Nanoparticles, Resins, Plastics	3D printing operations
Radiation Sources	Lasers, Cell Towers, etc.
Other Materials of Interest	Special Effects materials
<ul style="list-style-type: none"> • Snow Products (e.g. Snow Candles) • FX Dirt/Movie Dirt: (silica, talc, walnut dust, vermiculite) • Blood Effects (e.g. dyes) • Smoke Grenade • Black Powder, Smoke Powder • Atmospheric Fog/Haze (e.g., Mineral Oil) • Biologicals (e.g., Fungi/Valley Fever) 	