WELCOME!

FALL ENVIRONMENTAL HEALTH AND SAFETY WORKSHOP

THURSDAY, OCTOBER 26th, 2022





excellence & equity in education Puget Sound Educational Service District Workers' Compensation Trust Unemployment Pool HAZARDOUS CHEMICALS IN SCHOOLS CAREER TECHNICAL EDUCATION (CTE) & ART SAFETY

Fall School Environmental Health and Safety Workshop October 26, 2022

Elizabeth Jakab, Environmental Health Consultant, PSWCT/UP

Sara Hatfield, CTE Director, South Kitsap SD



Puget Sound Educational Service District Workers' Compensation Trust Unemployment Pool

INTRODUCTION

- Elizabeth Jakab, Industrial Hygiene Consultant, MS, CSRM
- Puget Sound Workers' Compensation Trust & Unemployment Pool – employee protection
- Consulting with 34 school districts for 20+ years
- Background: chemistry, hazmat management, indoor air quality (IAQ)
- ejakab@psesd.org 425-917-7640



GOALS – OVERVIEW ONLY

- Protect the health and safety of staff and students
- Protect the environment (indoor and outdoor air, solid waste)
- Increase awareness
- Provide tools
- Legal compliance
- Encourage hazchem management system
- PARADIGM SHIFT: safety built into curriculum and all projects and experiments



OVERVIEW

- What are the hazards?
- Where are the hazchems in schools?
- Legal requirements
- Risk / exposure reduction for chemicals



TYPES OF HAZARDS

Chemical hazards

- Unstable, reactive
- Flammable
- Toxic
- Corrosive
- Irritant, sensitizer
- Compressed gasses
- Biological hazards

Other hazards

- Mechanical
- ► Fire, heat exposure
- Electrical
- Building related: exits, egress
- Cuts, sharps
- Slips, trips and falls
- Ergonomics, lifting
- Lighting
- Noise
- Stress
- Pressure
- Radiation



RISK MANAGEMENT AND ACCIDENT PREVENTION



Starts with identification of hazards and assessment of risks

Awareness & experience

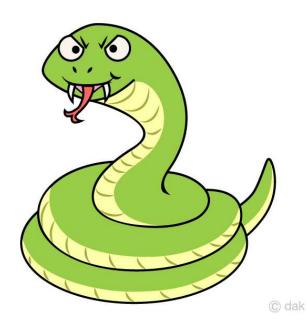


WHAT DO WE MEAN BY CHEMICALS?

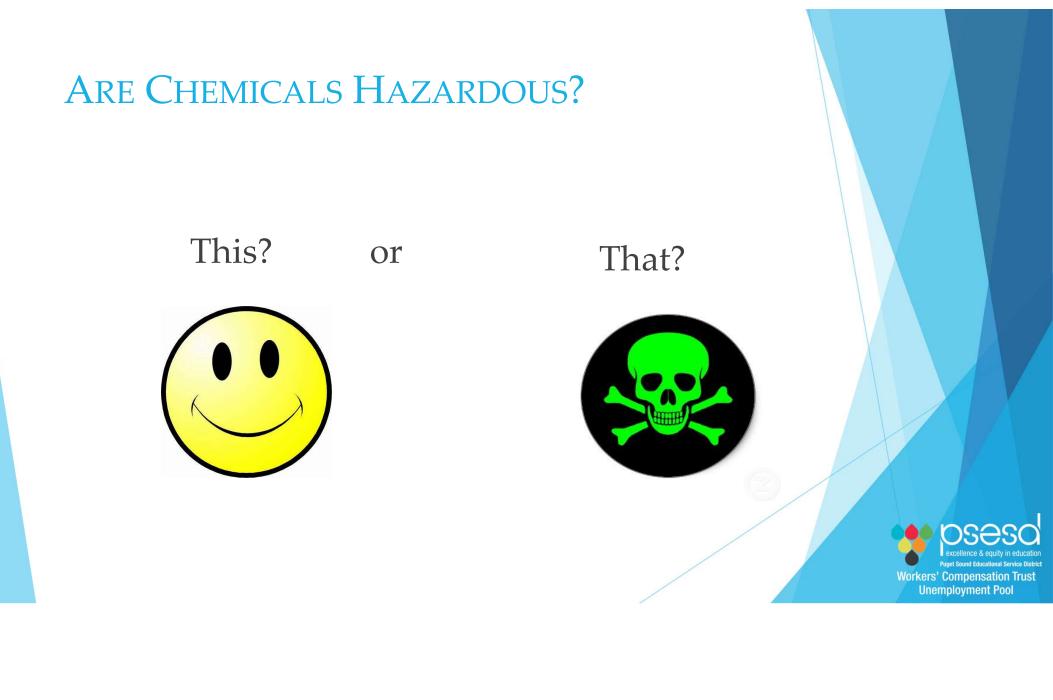
- Natural synthetic / artificial
- Organic inorganic
- Pure chemicals mixes
- Concentrated (strong) diluted



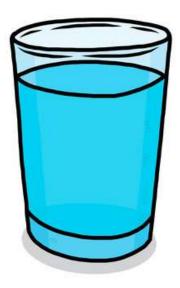
NATURAL VS. SYNTHETIC – IS NATURAL ALWAYS BETTER?







IS H2O HAZARDOUS?





HAZARD CATEGORIES – GHS PICTOGRAMS



- **Unstable/Explosive**: shouldn't be in schools
- **Highly reactive:** with water, air, organics
- Flammable or combustible
- **Toxic**: acute & chronic toxicity, target organ toxins, carcinogens, reproductive toxins
- **Corrosives**: can hurt skin, eyes and metal parts
- Irritants, sensitizers: almost anything



WHERE ARE THE HAZCHEMS IN THE SCHOOLS?

- Science laboratories
- ► CTE
- Art activities (photography, printing, painting, glass, pottery, glass etching, jewelry making, etc.)
- District maintenance & transportations
- Custodial supplies
- ► Health rooms
- ► Food services
- Offices (printers, copiers, laminators)
- ► Pools
- Classrooms early learning
- ► Restrooms, etc.



EXAMPLES

- Cleaners, concentrates
- Disinfectants, bleach (kill living cells)
- Graffiti removers, spot cleaners, floor strippers, toilet cleaners
- Pesticides, insecticides
- Air "fresheners", essential oils
- Lab chemical reactions: A+B=C+D

- Solvents (toxic & flammable vapors)
- Sprays (airborne, gets inhaled)
- Wood, metal & clay dust
- Coolant mist, welding fumes
- Epoxy compounds
- Emissions from equipment: copier, laminator, 3D printers, combustion equipment



WHAT CAN HAPPEN?

- Accidents: burns, inhalation, fire
- Long term chemical exposure & chronic illnesses
- Aggravation of pre-existing conditions asthma
- Damage to buildings and equipment
- Legal noncompliance associated CO\$\$\$



ACCIDENT: METHANOL BURN





IN THE NEWS

- Oct 2015: 5 students and teacher injured in school science lab fire in Virginia
- July 2019: \$60 million awarded to N.Y. student engulfed in flames in chemistry accident
- School district offers 34 million settlement to students and staff exposed to hazchems



ACCUMULATED HAZARDOUS WASTE



- Dangerous
- Very expensive
- Compliance issues



COMMON PROBLEMS IN SCHOOLS

- > No hazchem management programs
- > Not adapted to different programs' needs
- Purchases are not planned and coordinated
- Emissions are not considered: 3D printers
- > No training or non-specific training
- > Poor labeling, no SDS
- > Accumulation of hazardous wastes





WHAT INFLUENCES THE HAZARDS?

- **Quality**: "ban candidates list"
- Quantity, concentration: caffeine, vinegar
- Storage and use environment: container integrity, shelves, special cabinets, safe usage techniques, ventilation, safety equipment, PPE
- Exposure times & routes: for how long are we exposed and to how much
- Age of chemical
- Personal characteristics of the exposed person: health & body weight, genetics, pre-existing conditions, etc.





QUALITY: DEADLY TOXINS

Potassium cyanide



Hydrogen fluoride



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AGE, QUALITY & QUANTITY





ROUTES OF ENTRY

- ► INHALATION when you smell something
- Ingestion
- Skin contact, skin absorption
- Injection (cuts with chemicals Involved)
- COMBINATION aka multiple routes of entry, ex. some solvents
- ► Highest hazard: volatile AND toxic or flammable



ASSESSING CHEMICAL HAZARDS

- Smell: never a good sign
- Observe: clutter, housekeeping, spills, lack of labels
- Read labels
- Consult safety data sheets (SDS)
- Don't assume and don't minimize
- Continue self-development and networking
- References: labels, SDS, <u>manuals</u>



LABORATORIES

Please notice potential problems



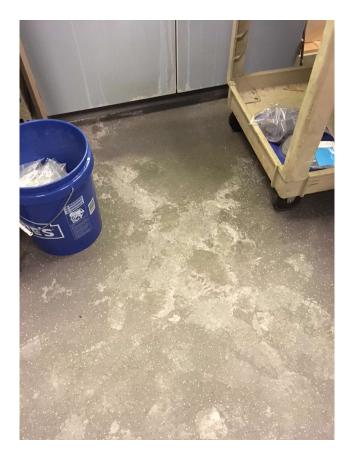
Housekeeping

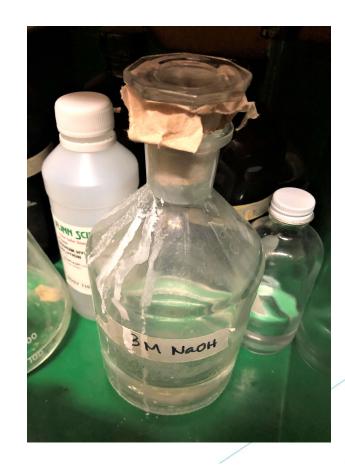




education

Housekeeping







Workers' Compensation Trust Unemployment Pool



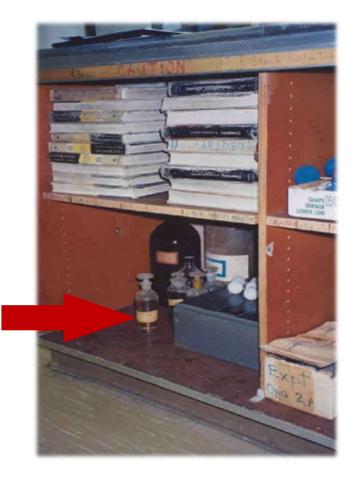
25 LBS. OF POISON

Do we really need this much?

NATE CORE 1660 CONTRACTOR



DEADLY TOXIN IN ELEMENTARY SCHOOL







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DEGRADATION & STRONG SMELL (ACID CABINET)

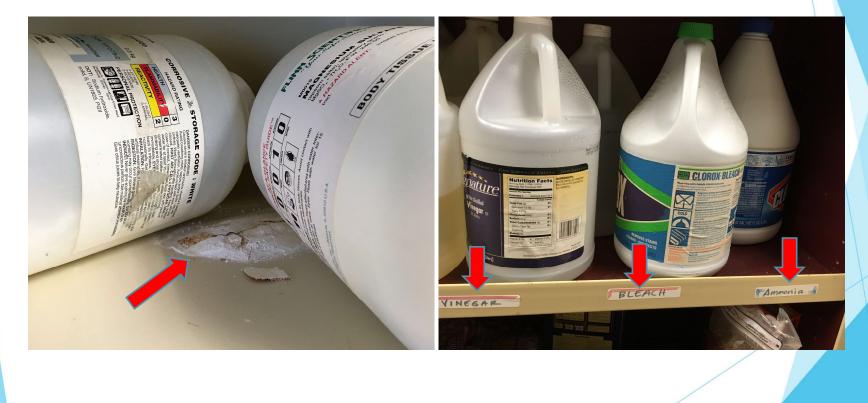




STORAGE & SPILLS

Chemical & Shelf Materials

Acid, Bleach & Base





PACKAGED BY TEACHERS IN BUTCHER PAPER







THE MYSTERIES OF BIOLOGY & FORMALIN









POTTERY DUST CONTAINS CRYSTALLINE SILICA





POTTERY – STORAGE & CLAY RECYCLING







Pottery GLAZES-READ the Label

| | | 1.3 | |
|--|---|---|--------|
| | LE NORTH | WEST CERAMIC SU 35 South Hanford Seattle, WA 98134 (206) 587-0570 | PPLY , |
| WARNING: M MAY CAUSE SOLUBLE CC PRECAUTIONS: using do not eat CHLDR HIST AID: If sw Information com HERE AID: If sw Information com | 5 LIGHT BI FIRING RANG BRUSH 2-3 C MAY BE HARMFUL IF SWALL DO not Spray apply. Wash hands im Oth Ar Smoket. Use NIOSK-certific to this of smoket. Use NIOSK-certific to how appropriate for the operation allowed, get prompt medical attention fact a poison control conter. | EE GLAZE LUE MOTTLE ECONE 04-8 OATS OR DIP LOWED, EXPOSURE R LUNGS, CONTAINS: mediately after use. When d mask for dusts and a MEEP OUT OF REACH OF | TO SIL |
| • | | • | |
| | | | |

Lead free

- May be harmful
- Target organ toxin
- Contains soluble cobalt

Read the small print







KILN EXHAUST - VENTILATION







PHOTO LAB & AEROSOL SPRAYS







FIXERS & ADHESIVES - WARNING, DANGER





SPRAYS

How much is getting on the art piece? How much is entering your lungs? Is it flammable, toxic or both?





PAINTING: HEAVY METALS, PAINT THINNERS









CLEANING BRUSHES

An odorless thinner for artists' oil colors, oils, and varnishes. Cleans oil painting brushes and accessories.

DANGER! HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE.



JEWELRY MAKING

- SolderingPickling
- Polishing
- Exhaust ventilation



OTHER ART MATERIALS

- Old crayons: heavy metals, talc
- Charcoal sticks: dust, fixers
- Markers: alcohol, solvents (xylene, toluene)
- Glues: rubber cement (hexane, heptane)
- Pastels: dust, heavy metals
- Encaustic wax fumes: irritation, possible asthma
- Glass etching: hydrogen fluoride corrosive, toxic, absorbs through skin





LABELING ART PRODUCTS

- Federal law requires labeling of art materials: United States Code, 2011 Edition, Title 15 – Commerce and Trade Chapter 30 – hazardous substances Sec. 1277
- Standard D–4236 of American Society for Testing and Materials
- California regulations



ART LABELS - GOOD

- ► **AP** approved product
- **CP** certified product
- HL non-toxic health label
- Look for non-toxic

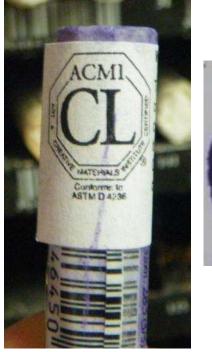




CAUTION LABELS - BAD

CL – caution label

- Indicates toxic ingredient
- Needs info on safe & proper use
- ► NOT for K-6







REGULATION & REFERENCE

- CA Education Code Section 32064: prohibits schools from providing art supplies with any hazard warnings to K-6 school children
- <u>https://oehha.ca.gov/risk-assessment/art-hazards</u>
- List of unacceptable products

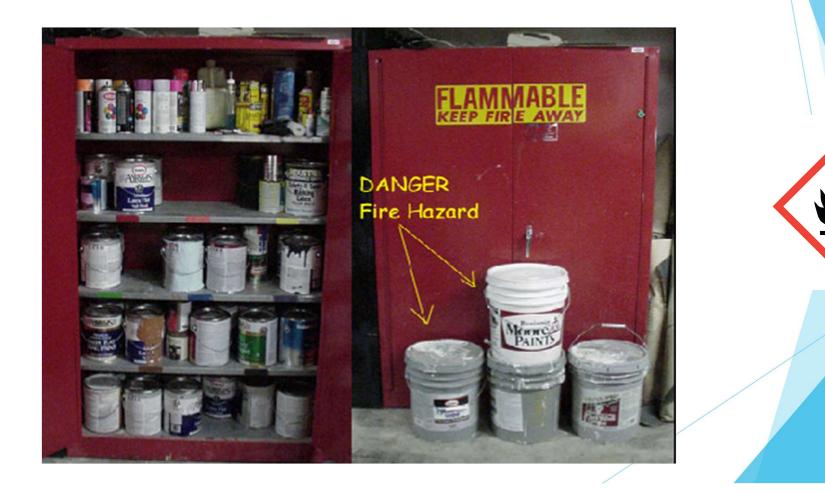




CTE & SHOPS



FLAMMABLE CABINETS



Puget Sound Educational Service District Workers' Compensation Trust Unemployment Pool

CTE – CORROSIVES, EYEWASH REQUIRED



Black Magic Patina instantly cre on clean iron & steel. Rust will no darkening patinas. Water rinsing cause rust. Rust will occur after 1.1 H surface free of oil, oxides and plain preferable. The solution may be diu dilution will depend on your metal a also be applied by spray, brush, o bu burnished, or dried and highlighted finish with appropriate clear top conmay be applied over this color. If a Black Magic will darken bonded bronze Black Magic creates a beautiful browne brass, and copper.

May cause reddening, initiating water May occur if breathing vaces of insufficient verification of insufficient verification which skip with scap intervent for product adaptive minipage.



18



Compressed Gas Needs to be Secured









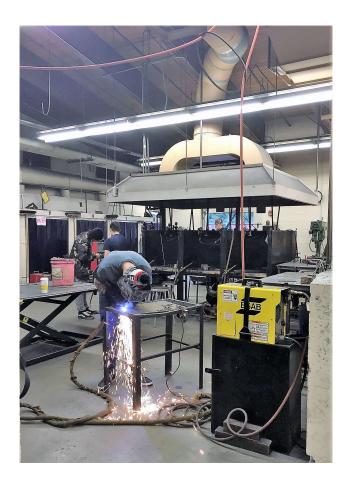
WOOD SHOP - DUST







WELDING SHOP EMISSIONS

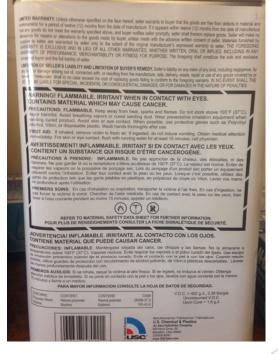


- Metal fumes and carbon monoxide exposure
- Has anyone checked the ventilation?



FLAMMABLE, CAUSES BURNS, TOXIC, POTENTIAL CARCINOGEN







SOLVENTS



- Highly flammable
- Irritant
- Toxic: CNS depressant
- Inhalation hazard
- Some chlorinated solvents are toxic and suspected human carcinogens



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GASOLINE CONTAINER







STORAGE IN CARDBOARD BOX!





CAR REPAIR & BODY SHOPS

Corrosive, irritant



Poison, extremely flammable





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THE LABEL SAYS:

- Irritant
- Flammable
- Corrosive (burns skin and eyes)
- Absorbs through skin
- Contains chemical which may cause cancer
- And the safety precautions, like enhanced ventilation, eyewash, goggles protective gloves?



3D PRINTERS, COPIERS, LAMINATORS



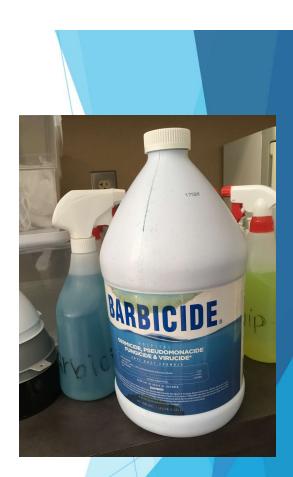
- What kind of materials are used?
- What kind of emissions are produced?
- ▶ How often, how much?
- How is the ventilation?
- Associated problems





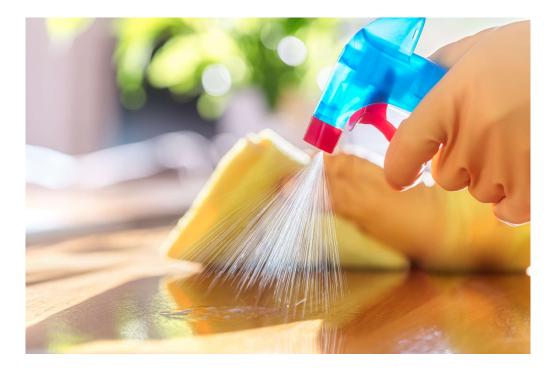
OTHER PROGRAMS

- Health: biological hazards, disinfectants, cuts,
- Beauty: mixed hazards, sink disposal
- Vet: biological hazards, disinfectants, cultures, cuts, scrapes
- Agriculture: pesticides, insecticides
- Fire services





CLASSROOMS & CUSTODIAL SUPPLIES





SCENTED CLEANERS AND SPRAYS

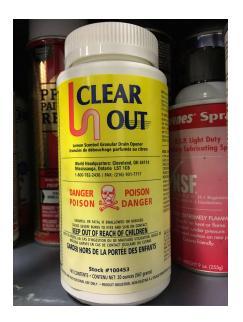


- Scents are mixes of volatile organic compounds (VOCs)
- They can be irritating, toxic, asthma causing, carcinogen, etc.
- About 1/3 of US population sensitive to chemicals
- About 9% of school age children have asthma
- Scents are not needed or useful Clean doesn't smell



READ THE LABELS

POISON, CORROSIVE



FLAMMABLE, TOXIC





Getting "natural" Greenwashing









CLASSROOMS & RESTROOMS – JUST SAY NO!











Scented insecticide used as "Air disinfectant"



Vertex Compensation Trust Unemployment Pool

READ THE LABEL – AND SAY "NO

contact, lives and get medical attention. For skin contact 15 minutes and get medical attention. For skin contact wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician DELAYED EFFECTS FROM LONG TERM OVEREXPOSIcontains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer ad birth defects or other reproductive harm. KEEP OUT OF THE REACH OF CHILDREN. CONFORMS TO ASTM D-4236. Con a physician for more health information

 Permanent brain damage
 Cancer
 Birth defects



LOOK UNDER THE SINK!





ELEMENTARY CLASSROOM









October 31, 2022

HEALTH ROOMS, KITCHENS, EARLY LEARNING, AGRICULTURE & VET PROGRAMS



- Corrosive
- **T**oxic
- Inhalation hazard
- Triggers the need for eyewash
- Possibly safety shower
- Dilution
- Ventilation





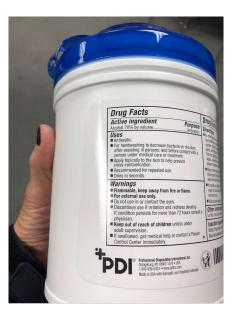
PUMPKIN SCENTED CANDLE





WIPES

FLAMMABLE & COSTLY



LOW HAZARD & INEXPENSIVE





MANAGING HAZARDOUS CHEMICALS



HAZCHEM MANAGEMENT CIRCLE





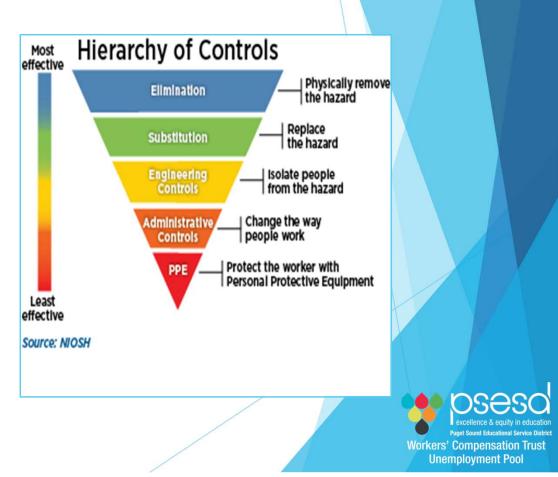
START WITH PREVENTION

- Curriculum
- Plan low hazard experiments and projects (minimum amounts of lowest hazard material / chemicals)
- Appropriate storage cabinets: flammable, corrosive
- Appropriate ventilation and safety equipment
- PPE available and used
- Good housekeeping
- Periodic waste cleanouts
- ► TRAINING



HIERARCHY OF CONTROLS

- Eliminate the hazchem
- Reduce: smaller amount & lower concentration
- Replace with less hazardous alternative
- Engineering controls: ventilation, hoods
- Safe procedures, training:
- Safety equipment and PPE

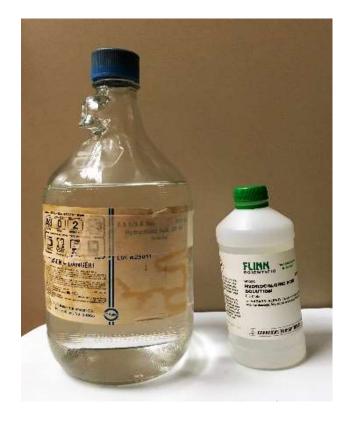


TO BUY OR NOT TO BUY - HOW DO WE DECIDE?

- Labels (GHS type)
- Safety Data Sheets (SDS)
- Green Seal certification
- EPA approved disinfectants N list for Covid
- Reliable resources: WA DOH
- ▶ WE decide, NOT the salesperson



THOUGHTFUL REPLACEMENT REDUCES HAZARDS



Notice:

- Size, weight
- Concentration
- Container material
- Spill
- ► Age



CLEANING WITH LOW HAZARD, NEUTRAL DETERGENT



- Liquid dish soap is a detergent
- It's low hazard
- Inexpensive
- Easy to prepare
- Everyone can use it



SPILL PREVENTION, SPILL RESPONSE, TRAINING & SPILL KITS



- For all the areas where hazardous chemicals are used or stored
- WAC Chapter 296-824





PRINCIPLES OF PROPER STORAGE



Separate chemicals by HAZARD CATEGORIES



Use appropriate storage cabinets; not floor



Lips on shelves, lower than eye level, uncrowded



Hazardous waste is different than hazardous chemical or hazardous product



USE OF HAZCHEMS

- Written, specific procedures
- Best practices
- Part of training

Can add visuals of hazards and PPE to the procedure



BASIC LEGAL REQUIREMENTS:

LABS

- Chemical Hygiene Officer
- Chemical Hygiene Plan
- Inventories
- Labels
- Safety Data Sheets
- Training
- HAZARD SPECIFIC
- WAC 296-828

OTHER AREAS

- Hazard Communication Program
- Inventories
- Labels
- Safety Data Sheets
- Training
- ► HAZARD SPECIFIC
- WAC 296-901



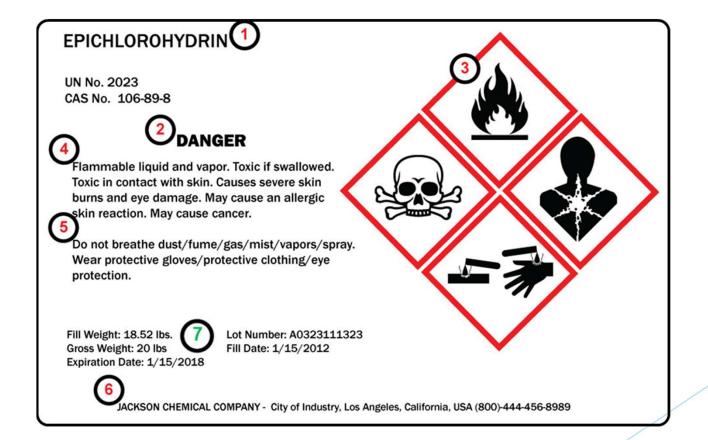
HAZARD COMMUNICATION PLAN (MANDATORY)



- ► Inventory: up to date
- ► Labels: GHS compliant labels
- SDS: GHS compliant Safety Data Sheets.
- Written: Program updated as needed.
- Training: Specific



LABELS – INFO AT A GLANCE





SAFETY DATA SHEETS Readily available?





SAFETY EQUIPMENT AND PPE

- Emergency washing stations
- Ventilation: different kinds
- ► Fire protection
- ► Spill kits
- ► Goggles, gloves, aprons
- Appropriate clothing
- First aid kits





SAFETY SHOWER



- Easily accessible?
- ADA accessible?
- Functional?
- Yearly check and maintenance completed?
- Periodic activation?





EYEWASHES – FUNCTIONAL?









HAZARDOUS WASTE DISPOSAL

What is HW? How do we handle it? How do we properly dispose?



Too hazardous (QUALITY)

Too much (QUANTITY)

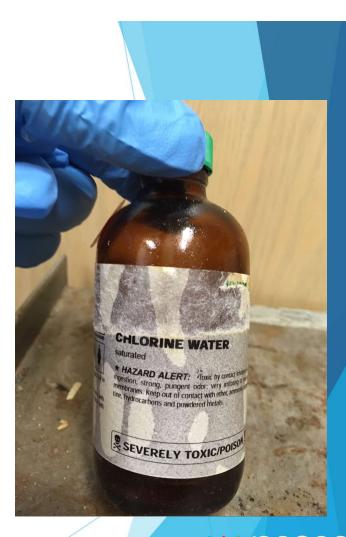
Too old (AGE)

Unknown (THE HIGHEST HAZARD)

Damaged container

Not enough space to properly store it

No longer needed





BAD HW STORAGE MOST COMMON MISTAKE



Problems:

- Mixed wastes & unknowns
- Cardboard is flammable
- Spills and unwanted reactions
- Cork stopper
- Most common source of lab fires

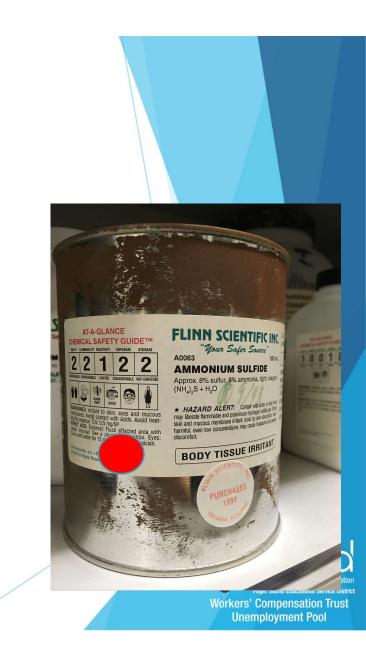


HAZARDOUS WASTES

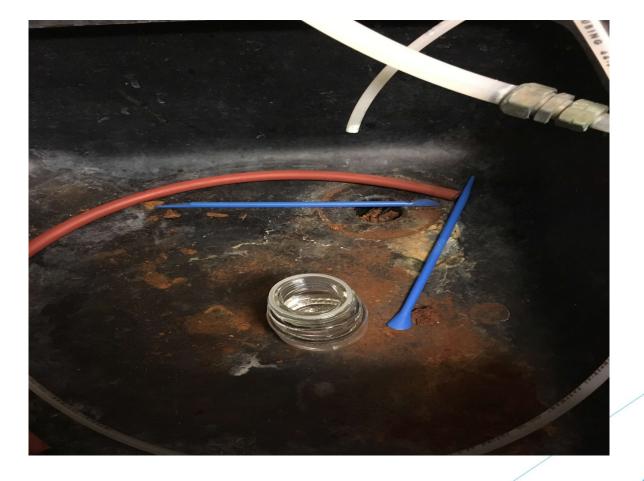
- Mark visibly
- Don't mix wastes
- PROPER waste disposal
- May need secondary containment:







SINK DISPOSAL? IT'S A NO-NO!





ACTION ITEMS:

- Check & update plans and procedures
- Cleanout and proper disposal of hazardous wastes
- > Preplan purchases; hazard analysis before purchase
- Always read the labels and the SDS first
- > Always choose the lowest hazard & smallest amount
- > Reduce chemical stock, max 2 years
- > Training for staff and students (document)
- PROACTIVE PLANNING: are the room, the activity, the materials & equipment, the training of staff, and the age of students a good match?



Thank you for your time

Questions?



CTE SAFETY – SARA HATFIELD

- Sara Hatfield, BS, ME, Director of Career and Technical Education in South Kitsap School District
- Bachelor of Science and teaching credentials from WSU
- Master in Educational Leadership with Administrative and Principal Credentials from City University
- CTE Director credentials through CWU
- Adjunct professor at Olympic College in the CTE Teacher Preparation Program
- Supports over 145-course offerings in 16 different pathways district-wide in 7-12th grade
- Her focus is to prepares students with real-world, technical job skills for life beyond high school



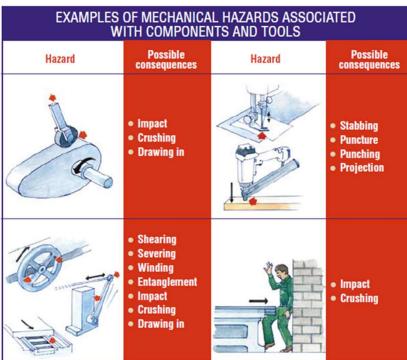
MANAGING MECHANICAL HAZARDS





WHAT DO WE MEAN BY MECHANICAL HAZARDS

- Pinch Points
- Pulleys, belts
- Gears
- Clutches, breaks
- Equipment used by students
 - Mechanical
 - Powered (Electrical)
 - Some -Cutting/Sharps





COMMON PROBLEMS IN SCHOOLS

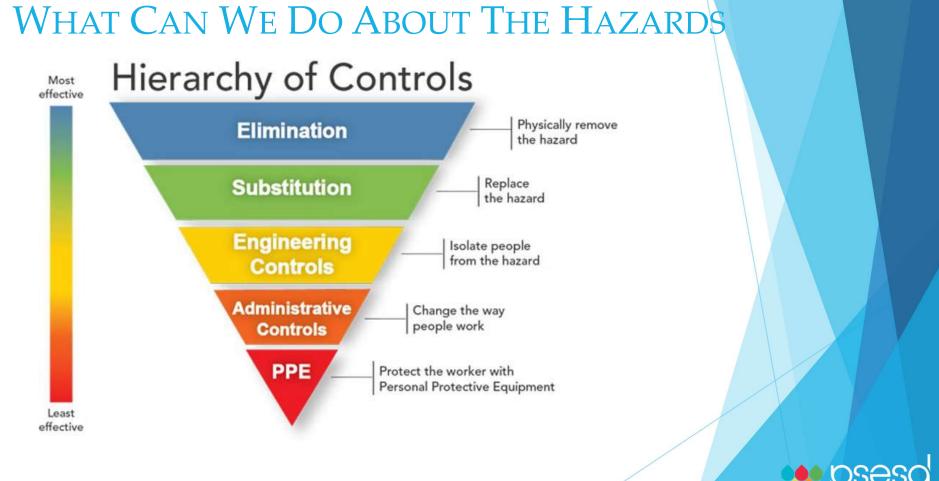
- Missing all or part of the following components:
 - Lessons Safety Testing
 - Maintenance records
 - Placement of equipment
 - Signage
 - Ventilation
 - Waste or output- collection/ disposal
 - ▶ PPE (issue and replacement)







Workers' Compensation Trust Unemployment Pool



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ACCIDENT PREVENTION PROGRAM WAC 296-800-140

- To establish, supervise and enforce an <u>accident</u> <u>prevention program</u> (<u>APP</u>) that is effective in practice.
 - Classroom/Program Specific Safety Plans





STANDARDS FOR EDUCATORS REDUCING NEGLIGENCE

- Washington State Certificate appropriate for the programs they teach
- Training and certifications for staff
- Technical and Professional Skills current through the CTE program standards and business/industry advisory committee involvement
- Maintains current First Aid Card
- No hazardous material or equipment should be used with a substitute in place



FIRST AID WAC 296-800-150

Make sure first-aid trained personnel are available to provide quick and effective first aid

You must:

- Make sure that first-aid trained personnel are available to provide quick and effective first aid <u>WAC 296-800-15005</u>
- Make sure appropriate first-aid supplies are readily available <u>WAC 296-800-15020</u>
- Make sure emergency washing facilities are functional and readily accessible <u>WAC 296-800-15030</u>
- Inspect and activate your emergency washing facilities <u>WAC 296-800-15035</u>
- Make sure supplemental flushing equipment provides sufficient water <u>WAC 296-800-15040</u>





LEGAL DUTIES OF INSTRUCTOR REASONABLE AND FORESEEABLE

DUTY TO INSTRUCT

"An instructor who does <u>NOT</u> instruct properly could place a student in a dangerous situation where the lack of appropriate information might contribute to an accident."

Provide Adequate Safety Training

- Safety demonstrations—attentively watched by all.
- Safety videos.
- The proper and adequate wearing of personal protective equipment (PPE) appropriate to the industry or program area.
- Safety quizzes and tests, etc. (kept until student is 21)
- Students demonstrate proficiency in facility, tool, and equipment safety to the instructor, who uses his or her professional assessment in allowing the student to utilize shop facility



DUTY TO MAINTAIN REASONABLE AND FORESEEABLE

- Instructors are responsible for seeing that <u>EQUIPMENT</u> is kept in safe working order.
- Keep written records of regular inspections, maintenance and replacement. Include photos when possible.
- Regularly Inspect all Equipment.
 (*Repair/Report All Unsafe Equipment*)
- Lock Out/Tag Out Unsafe Equipment



DUTY OF SUPERVISION

Instructors are responsible for <u>APPROPRIATE</u> <u>BEHAVIOR</u> on the student's part.

- Strictly Enforce Safety Rules
- Never Leave Your Students Unsupervised
- Certified teacher in the room or no lab activities or equipment use.



TO BUY OR NOT TO BUY – HOW DO WE DECIDE?

- Who will be using the equipment?
- What is the purpose of use?
- Where is it going?
- What are specifications?

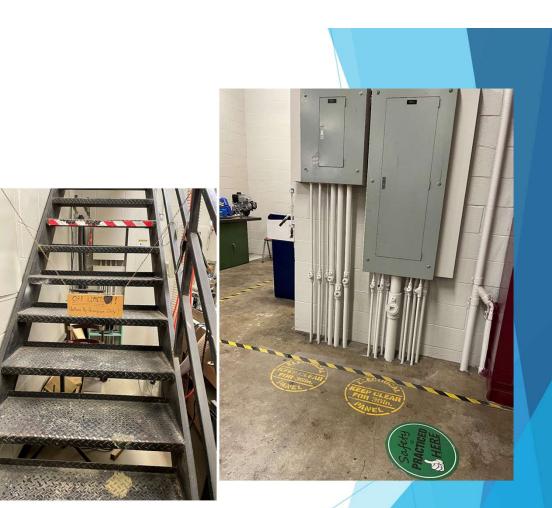




ASSESSING EQUIPMENT

- Space egress, accessibility, classroom flow
- Review Owner Manual- to determine space specifications







Assessing Equipment Cont.

- Power(UL Certification)
- Ventilation
- Lighting WAC 246-366A-115
- Noise wac 246-366-110









Equipment

- ► PPE
- Safety training
- Output collection and disposal
- Maintenance plan





RECORD KEEPING

Routine Inspection: Documented writing pictures included as needed.

Document:

- Inspections
 - Safety Guarding
- Maintenance
- Replacement
- Identify the standard, frequency
- Who, What, When, Where







SAFETY PLAN – SHOULD INCLUDE...

- A demonstration of the commitment by management
- Some form of work site/ job hazard analysis-
- Responsibility of supervisor, managers, as well as employees.
- Enforcement





CLASSROOM SAFETY PLAN

- Basic safety rules
- How to report
 - ▶ Injuries-
 - Report unsafe conditions and practices
- Identify hazardous chemicals, mechanical and environmental
- Use and care of personal protective equipment (PPE)



CLASSROOM SAFETY PLAN

 Outline procedure for teaching and documentation (included materials)

Classroom Specific Safety Contract

Classroom layout

Maintenance/Replacement



GENERAL SAFETY RULES

- Clearly posted in plain view
- Easily referred to
- Address safety concerns
- Phrased with positive intent



OUTLINE OF A LESSON ON SAFETY

Outline of a lesson on safety

Instruction Sheet – How will you teach it?

- Test materials (equipment or procedures) that must be passed with a score of 100%
- Interventions and differentiation- Note modifications on original assessment



OUTLINE OF SAFETY LESSON BEST PRACTICE IMPLEMENTATION

- Teaching sheet- Documentation of presentation of information.
- Teacher Demonstration
- Student assessment Documentation of student learning (100%)
- Student Demonstration
- Keep the Documentation for 3 years (suggest 7 years)



CLASSROOM SAFETY CONTRACT

- Classroom safety contract that includes the purpose, safety rules, necessary student information, contract agreement and signatures of both student and parents
- Signature block must stay intact with contract



CLASSROOM FLOOR PLAN AND LAYOUT

- The classroom layout (floor plan)
 - **Egress**
 - Exits
 - Safety Equipment
 - Hazardous Storage Area
 - First Aid Kit
 - Stationary Equipment
 - ADA accessibility



CLASSROOM SIGNAGE

- Safety Signage
 - Safety equipment
 - ► Exits
 - Electrical Panels



CLASSROOM SIGNAGE

Safety reminder signage

- On or near machinery/shop equipment
- ▶ Wash hands, PPE, eye wash, ETC
- Emergency shut down



CLASSROOM SIGNAGE

- Equipment Procedures posted on large equipment
- Inspection protocol for equipment
 - Maintain records for pre-operation and post operation inspections, maintenance, repairs







LIMIT LIABILITY EXPOSURE

- Educate Your Staff
- Educate Your Students
- Supervise Your Students
- Keep Your Instructional Area SAFE model and practice good housekeeping.
- ▶ Keep Your Equipment & Machinery Up to Standards
- Provide Immediate Emergency Care



LIMIT LIABILITY EXPOSURE (CONT.)

- Emergency Evacuation Routes
 - Smoke, Darkness and Panic
- Clutter control
- Safely Store Materials
- Can everyone find the fire extinguisher and first aid kit?
- Do you know what you have?
 - Old machinery
 - Chemicals
 - Flammable materials



STATE REGULATORY CODES

Primary and Secondary Schools : WAC 246.366: Minimum Environmental Standards

Safety and Health Core Rules: WAC 296.800

Department of Health

Student Learner Variances -<u>https://www.lni.wa.gov/workers-rights/youth-</u> <u>employment/variances#student-learner-variance</u>



SAFETY TEST RESOURCES

http://www.powertoolinstitute.com/pti-pages/ed-safetyeducation.asp

Power Tool Institute

https://www.cdc.gov/niosh/topics/ergonomics/default.html

Center for Disease Control, National Institute for Occupational Safety and Health

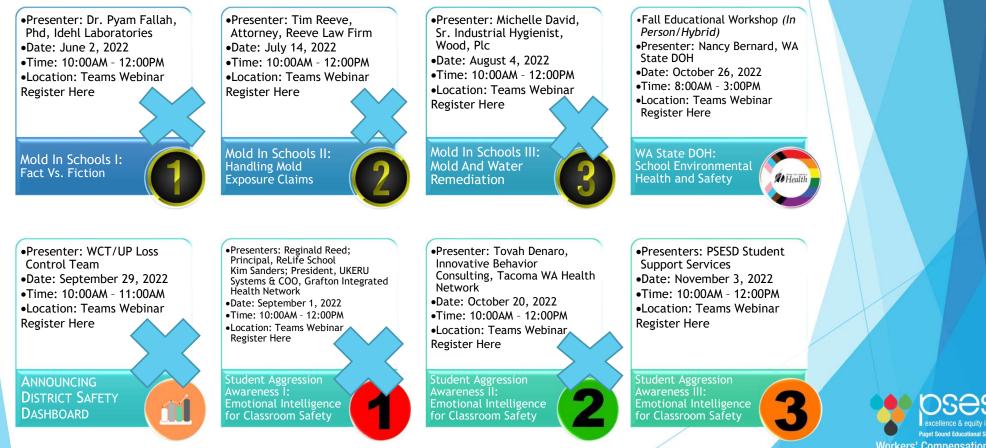


CONTACT US

October 31, 2022



UPCOMING TRAINING OPPORTUNITIES



Puget Sound Educational Service District Workers' Compensation Trust Unemployment Pool

AVAILABLE MEMBER SERVICES

Workers' Compensation Trust

- Claim Intake / Reviews / Investigation
- Compensability Determination
- Disability Management / Vocational Rehabilitation
- Exposure Analysis
- Incident Reporting
- Legacy Claims Management
- Industrial Hygiene
- Litigation Management
- Loss Control and Prevention
- Management Reporting
- Medical Cost Management
- Return-to-Work Planning

Unemployment Pool

- Claim Management
- Compliance Management
- Legislative Updates
- Management Reporting
- Review, Hearings, Appeals
- Training & Education



CONNECTING WITH PSESD







PSESD YouTube Channel

WWW.PSWCTUP.ORG

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425-917-7600 MEMBERSERVICES@PSWCTUP.ORG



We appreciate your time and participation!

We invite you to complete the post-event survey.

Your feedback will inform our efforts to continually enhance the value of these events!



