

School Health and Safety Program Update

Jim Zimny, RS
Assistant Director
Environmental Health Division



KITSAP PUBLIC HEALTH DISTRICT

School Health and Safety – History

The State Board of Health regulations governing environmental hazards in schools date back to 1955

WAC 248-64 – Adopted 1960

WAC 248-64 - Adopted 1971

WAC 246-366- Adopted 1989

(Includes many section repeals and new section adoptions through these years)

Current rule:

WAC 246-366- Amended 1991



WAC 246-366 – Purpose

WAC 246-366-005

Purpose.

- The purpose of this chapter is to maintain minimum environmental health and safety standards for school facilities.

“ The school environment exposes nearly 20% of all Washington State Residents to a variety of physical, chemical, and biological hazards every school day.”

School Health and Safety Guide - 1994



School Inspections

- Fire marshals office inspects as part of the fire code (requires periodic inspections of all commercial businesses)
- School insurance risk pools inspect for risk assessment pertaining to students and staff.
- State Department of L & I occasionally inspect due to injury claims.
- WAC -246-366 – Requires local health jurisdictions to perform periodic health and safety inspections.



School Health and Safety Program

Health District staff involvement by state mandate with School Districts

- Kitchen inspections.
- Pool Inspections.
- Local source control for small quantity hazardous waste generators.
- School complaints- air, mold, safety, temperature.
- School illness/absenteeism reporting.
- New construction and remodeled school plan reviews.
- Periodic school inspections.



WAC 246-366 – Mandates

WAC 246-366-140

Safety

- *(1) The existence of unsafe conditions which present a potential hazard to occupants of the school are in violation of these regulations. **The secretary in cooperation with the state superintendent of public instruction shall review potentially hazardous conditions in schools which are in violation of good safety practice, especially in laboratories, industrial arts and vocational instructional areas.***
- *They shall jointly prepare a guide for use by department personnel during routine school inspections in identifying violations of good safety practices. The guide should also include **recommendations** for safe facilities and safety practices.*



What our inspections have found

Findings- 48

CTE-37

Science-28

Art- 22

General Ed- 2



Top Findings

Freq	Item	Page	Requirement/ Recommendation	Notes/Observations	Classroom type
8	L-028	37	Flammables in approved storage	canisters of propane & aerosols improperly stored.	S/A/CTE
8	C-021	16	GFI's provided & working within 6 ft. of sinks & grounding sources - extension cord use minimized	No GFI outlets near sinks	S/A/CTE
7	K-005	29,36	Eye wash station readily accessible & hands-free	Eyewash stations are not hands free. Eyewash bottle missing in shop 302B and no eyewash present in Art room.	S/A/CTE
6	L-034	37	Proper ventilation & exhaust systems in shop areas	Aerosol sprays must be used with local exhaust at all times per product labeling requirements. Ventilation needed for 3D printer	S/A/CTE
5	B-007	14	Cleaning supplies/chemicals labeled, used cautiously, stored in inaccessible area away from food & drink	Poisonous compounds, cleaners, and sprays found in students accessible areas incorrectly labeled and stored.	S/A/CTE
5	K-063	33	All containers labeled	name and danger required for labeling of chemicals	S/CTE
4	K-031	31	Chemicals stored at or below eye level (5' 6")	Chemicals should be stored lower on shelves	S
4	L-012,017	35	Materials & project storage adequate & safe	Clutter and fire hazard present in the room and storage rooms. Flammables cabinet not accessible. Heavy, sharp student projects insecurely stored overhead. Recommend 5s cleanout.	A/CTE



#1 Hazard

AREOSOL SPRAYS (Paints, adhesives, clear coats)

Found in Art, CTE, Science, General Ed, and LIFE Skills.

- Usually without adequate ventilation.
- Usually improperly stored

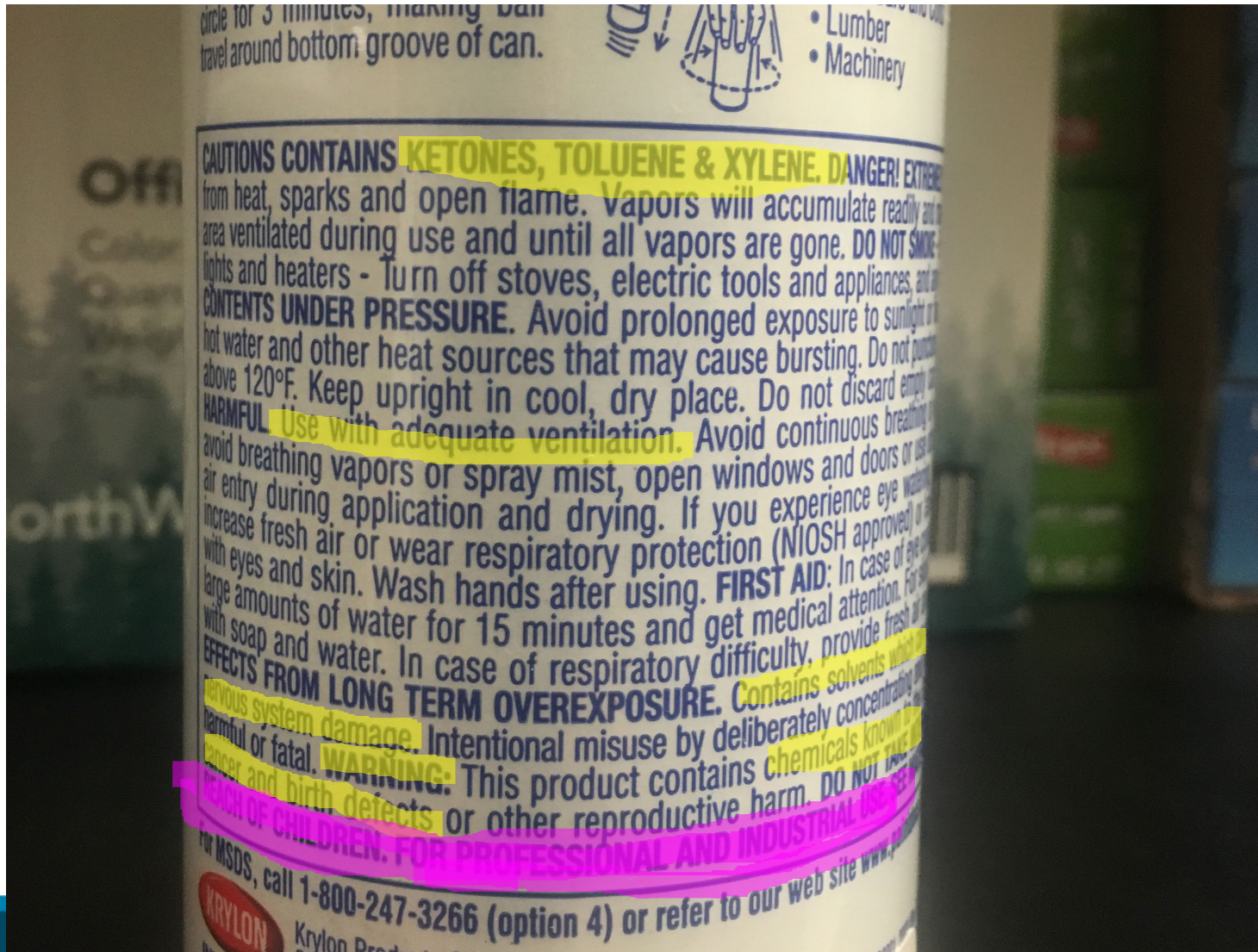


KRYLON Crystal Clear Acrylic - SDS

- FLAMMABLE AEROSOLS - Category 1
- GASES UNDER PRESSURE - Compressed gas
- SKIN CORROSION/IRRITATION - Category 2
- SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
- CARCINOGENICITY - Category 2
- SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
- SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
- SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
- ASPIRATION HAZARD - Category 1



So what's the problem!



Overall Impressions

- All of our school districts have outstanding custodial and maintenance controls in place to protect students from EH exposures.
- Teachers are very busy and creative. As a group, they need comprehensive education/training of student EH exposure hazards.
- KPHD has become a new technical resource for school districts regarding EH issues. (Lead in water, air quality, hazardous waste clean up, and disposal)



School Inspection Program

Thank You

Questions/ Comments/Discussion

