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October 20, 1989

TGG: JOL: EBT: MJH: AJO: RF

XF: FEET DESK

VISTA

Kathy Rosica
Associate Director - Health Issues
2501 M. Street N. W.
Washington, D. C. 20037

Dear Kathy:

Below are my comments on the Benzene, Vinyl Chloride, and Lead IPCS International Chemical Safety Cards. I'm not sure what detail of review we were to do, but these are my general impressions.

Lead: No comments on this sheet except that as with OSHA HAZ COM I'd suggest that "blanks" should have a "not applicable" or similar designation to avoid confusion.

Benzene: (The attached cards are highlighted and numbered.)
Numbers below correspond to that portion on the card.

1. Dry skin doesn't seem a sufficient warning for skin effects other than absorption.
2. This section should be more specific. I know we've debated this in our workgroups, but some mention of actual suitable materials would seem essential to emergency responses.
3. There should be some hazard information here. The blank implies no hazard and that's not the case.
4. I'm unfamiliar with what these symbols are.
5. Does Belgium have TLV's? I thought that was an ACGIH trademark designation. Also, the last note on skin seems technically bad.
6. The blank implies no environmental toxicity. There is probably data available and it should be included.

Vinyl Chloride:

1. This CM only comes in cylinders.
This statement.
2. Same c ene.

VVV 000014271

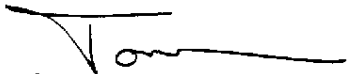
Kathy Rosica Letter

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3. This language should be more specific. For example 5 minutes, 15 minutes, whatever doctors recommend.
4. These blanks are misleading. See Lead comments.
5. See comment number 4 in Benzene.
6. See comment number 6 in Benzene.

Sincerely,



Thomas G. Grumbles, C.I.H.
Environmental Quality Manager

dlj

Attachment

VVV 000014272

BENZENE

ICSC: T035

BENZENE
Cyclohexatriene
Benzol
C₆H₆
Molecular mass: 78.1

CAS # 71-43-2
RTECS # CY1400000
ICSC # T035
UN # 1114

DRAFT

TYPES OF HAZARD/EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Highly flammable.	NO open flames, NO sparks, and NO smoking.	Powder, AFFF, foam, carbon dioxide.
EXPLOSION	Vapour/air mixtures are explosive.	Closed system, ventilation, explosion-protected electrical equipment and lighting. (See Notes for additional information.)	In case of fire: keep drums, etc. cool by spraying with water.
EXPOSURE		AVOID ALL CONTACT!	
■ INHALATION	Light headedness, drowsiness, headache, nausea, unconsciousness, tightness in chest, paralysis, tremors.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest, and refer for medical attention.
■ SKIN	① MAY BE ABSORBED! Dry skin (further see Inhalation).	Protective gloves, protective clothing. ②	Remove contaminated clothes, rinse skin with plenty of water or shower, and refer for medical attention.
■ EYES	③	Face shield or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
■ INGESTION	Abdominal pain, sore throat (further see Inhalation).	Do not eat, drink, or smoke during work.	Rinse mouth, do NOT induce vomiting, and refer for medical attention.
SPILLAGE DISPOSAL		STORAGE	PACKAGING & LABELLING
Collect leaking and spilled liquid in sealable containers as far as possible, absorb remaining liquid in sand or inert absorbent and remove to safe place (extra personal protection: self-contained breathing apparatus).		Fireproof, separated from strong oxidants.	F symbol T symbol R: 45-11-23/24/25-48 ④ S: 53-16-29-44 Note: E EC # 601-020-00-8 UN Haz Class: 3 UN Pack Group: II UN Tox group: II
SEE IMPORTANT INFORMATION ON BACK			VVV 000014273
ICSC: T035		Prepared in the context of cooperation between the IPCS and the Commission of the European Communities (C) CEC, IPCS, 1988.	

VINYL CHLORIDE

ICSC: T022

VINYL CHLORIDE*
 Chloroethene
 Chloroethylene
 (cylinder)
 $H_2C=CHCl$
 Molecular mass: 62.5

CAS # 75-01-4
 RTECS # KU9625000
 ICSC # T022
 UN # 1086

DRAFT

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Extremely flammable.	NO open flames, NO sparks, and NO smoking.	Shut off supply; if not possible and no risk to surroundings, let the fire burn itself out; in other cases extinguish with powder, CO2.
EXPLOSION	Gas/air mixtures are explosive.	Closed system, ventilation, explosion-protected electrical equipment and lighting, use reduced-sparking handtools.	In case of fire: keep cylinder cool by spraying with water.
EXPOSURE		AVOID ALL CONTACT!	
■ INHALATION	Dizziness, drowsiness, headache, nausea, unconsciousness.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest, and refer for medical attention.
■ SKIN	ON CONTACT WITH LIQUID: FROSTBITE.	Protective gloves, protective clothing. ②	ON FROSTBITE: rinse with plenty of water, do NOT remove clothes.
■ EYES	Redness, pain.	Safety goggles or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor. ③
■ INGESTION	④		→
SPILLAGE DISPOSAL		STORAGE	PACKAGING & LABELLING
Evacuate danger area and consult an expert in a large spillage, ventilation (extra personal protection: complete protective clothing including self-contained breathing apparatus).		Fireproof, cool, keep in the dark.	Special insulated cylinder. F symbol T symbol R: 45/13 S: 53/9/16/44 UN Haz Class: 2 UN Tox Group: III ⑤
SEE IMPORTANT INFORMATION ON BACK			
ICSC: T022		Prepared in the context of cooperation between the IPCS and the Commission of the European Communities (C) CEC, IPCS, 1988-	

VVV 000014274

LEAD

ICSC: T060

LEAD
Lead metal
Plumbum
Pb
Atomic mass: 207.2

DRAFT

CAS # 7439-92-1
RTECS # OF7525000
ICSC # T060

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE			
EXPLOSION			
EXPOSURE			
■ INHALATION			
■ SKIN			
■ EYES			
■ INGESTION			
SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING	
			VVV 000014275