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Done
11-13-67

THE DOW CHEMICAL COMPANY

TEXAS DIVISION
FREEPORT TEXAS 77541

PLAINTIFF'S EXHIBIT

DOW-2965

November 9, 1967

Bobbie Geldmacher
Industrial Medical Department

LIST OF HAZARDOUS MATERIALS HANDLED AT CHLOR-ALKALI I

Following is a list of the materials I discussed with you by phone.
Please furnish data sheets that you have available for these.

X Cell Effluent	Nitrogen N ₂
50% NaOH	Carbon Dioxide CO ₂
X Gasous Chlorine	Na ₂ CO ₃
Liquid Chlorine	Asbestos
Dilute H ₂ SO ₄ - 60%	MgCl ₂
H ₂ SO ₄ - 98%	Brine NaCl
Oleum	Ammonia NH ₃
Freon-12	Lithium Bromide
HCl	CCl ₄
Hydrogen	P.F. Resin
X AP-30	Cab-O-Sil
? Epoxy	X Magnus
X Kenite-700 diatomite filter aid	X CH ₂ (Methylene)
X Nalco-270	Sodium Silicate
X Nalco-273	Beta-Tri (1,1,2-Trichloroethane)

Thanks for any help you can give me.

Mable Connick

Mable Connick
Chlor-Alkali I
A-108 Building

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DATE: 12/27/93
MASTER NO. 140131

Mable,

- ① If you can get the primary constituent (or active ingredient) on those marked (x) I can probably help out.
- ② Epoxy - which one?
- ③ You might check to see if Mr. Pearson, et.al., would be interested in having a Chemical Hazards Guide made up for the area. I am enclosing a sample done for another area. About 15 plants have these now. They are also made up in 2' x 3' sizes for posting if so desired.

Bobbie

CHLOR-ALKALI NO 1

PRODUCTION SUPT	
S.R. PEARSON	112481
SUPERINTENDENT	
B.J. ARMSTRONG	111856
J.E. ELSLANDER	118433
SR PROD ENGINEER	
C.N. BROUSSARD	118667
SR PRODUCTION CHEMIST	
C.W. BECKER	114784
PRODUCTION ENGINEER	
V.H. MAUDLIN	131600
PRODUCTION FOREMAN	
Z.A. WEBB	122998
FOREMAN	
H.L. BRADY	106742
SHIFT FOREMAN	
J.M. BAGLEY	115324
S.A. DUPONT	111551
W.K. MCDANIEL	110882
G.F. TATE	113848
J.W. WOODALL JR	115089
STUDENT ENGR	
A.P. BUGGE JR	133923
PRODUCTION CLERK	
M.A. CONNICK	118747
CONTROL OPERATOR A	
R.L. BENN	111014
A.L. CARR	108758
D. DUDLEY	112474
M.J. DUMESNIL JR	113652
R.R. RUSTIN	113814
CLASS 1 OPERATOR	
D.A. AKERY	132333
D.L. BELLAR	131083
G.D. BONDS	132618
F.A. BOREN	116972
P.D. BROUSSARD	132495
R.B. BUCKALEW	116936
M.E. DECAS	117937
J.T. GRANT	112549
E.E. HALLFORD	132516
C.L. LEVERICH JR	132293
P.E. MANNING	118737
W.L. PLUMMER	131693
C.L. RABON	116103
H.A. REID	132621
W.A. REYNOLDS	132347
R.B. WINDSOR	133162

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MASTER NO. 140137

DATE

11-15-67

Chemical Hazards
Chlor. alkali I

<u>Date Sheet</u> <u>Number</u>	<u>Common Name</u>	<u>Chemical Name</u>	<u>Physical State</u>
	Cell Effluent	8-10% NaOH	liquid
	Caustic	Sodium Hydroxide	liquid
	Chlorine	Chlorine	gas
	Liquid Chlorine	Chlorine	liquid
	Dilute Sulfuric Acid	H ₂ SO ₄ - 60%	liquid
	Sulfuric Acid	H ₂ SO ₄ - 98%	liquid
	Oleum	H ₂ SO ₄ - 103%	liquid
	Freon-12	Freon-12	gas-liquid
	Hydrochloric Acid	HCl	liquid
	Hydrogen	H ₂	gas
	SP-30	(see attached sheet)	solid
	DEH-14	Dow Epoxy Hardener	liquid
	DER-331	Dow Epoxy Resin	liquid
	Felter Acid	Kenite-700 (see attached sheet)	solid
	Nalco-370	(see attached sheet)	liquid
	Nalco-372		liquid
	Nalco-207		solid
	Nalco-215		solid
	Nitrogen	N ₂	gas
	Carbon Dioxide	CO ₂	gas
	Carb. Dioxide	Na ₂ CO ₃	liquid
	Asbestos	Asbestos	solid
	Magn. Chloride	MgCl ₂	liquid
	Brine	NaCl	liquid
	Ammonium Hydroxide	NH ₄ OH	liquid
	Lithium Bromide	Lithium Bromide	liquid
	Carbon Tet	CCl ₄	liquid
	P.F. Resin	P.F. Resin	liquid
	Calc. O. Sil	Calc. O. Sil	solid
	Magnesia		liquid
	Methane	CH ₄	gas
	Sodium Sulfate	Na ₂ SO ₄	solid
	Beta-Tri	1,1,2 Trichloroethane	liquid
	Nethlene Chloride	CH ₂ Cl ₂	liquid

January 23, 1968

Subject: Industrial Hygiene Surveys in Texas Division

Purposes: 1) To obtain base measurements
2) To recommend protective measures where necessary
3) To obtain data related to safe handling of products

Schedule: One plant will be surveyed every two weeks during year

Reporting: To 1) Plant Supervisor
2) Industrial Medicine
3) Safety Engineer

PLANTS TO BE SURVEYED
(Jan., Feb., and March 1968)

<u>Plant & Supervisor</u>	<u>Potential Problems</u>
1) Chlor-Alkali No. 1 B. J. Armstrong (A-108)	Noise, chlorine gas, caustic
2) Carbon Tetrachloride K. H. Oelke (A-188a)	Noise, chloroform, methyl chloride, methylene chloride, carbon tet., others
3) Polyethylene No. 2 H. R. Colvin (B-2501)	Noise, ethylene, acrylates, propylene, benzene, caustic, titanium tetrachloride
4) Sulfone, SA-1013 J. M. McDuff (B3817)	SA-1013, chlorine, methyl mercaptan, methyl chloride, caustic trichloropropene, pentachloropyridine
5) Magnesium No. 1 E. W. Ahlrich (A-650)	Chlorine, HCl, fluoride asbestos, H ₂ SO ₄

David J. Calley
Industrial Hygienist

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