



No. 10

E. E. SWAIN

STENOGRAPHER

FROM Jan 4, 1973

TO Jan 31-1973

NO. 43-8164 (S-1004-C) • 60 SHEETS • GREGG RULED • 6 IN. x 9 IN.

S. E. & M. VERNON CO., ELIZABETH, N.J. 07208 • A DIV. OF THE MEAD CORPORATION

N38248

1-4-73

FTJ.

VZ 208 Rally Vinyl Top Wax
Swiss events label anal.

generic ident. of comp. + %
recent Swiss requirement
for regist. prior to sale

Larry Thomas - Mass Pt

have sub. to Sec. of State
"Emergency Regulations"

on 1-3-73 said -

Emerg. Reg. extends to 3-31

1. then will have public hearing
2. Under law can't grant
exempt to prod avail at
retail to public

Sec 196 -
L

Carl Fleiguer

probably will not get exemption
for paint sold ~~at~~ retail

req. he call ELG re recall
since they are now in violation.

check to see if super want
only to repl. Tax. Carol. role

Carl Pluigner -

1-5-73

he will find out if all arch. etc
to Calif conform to R-66

Tom Nelson - NCO method OK

Guy Bell -

meas. NCO

get out 1 day paint
meas. port. signs

fills out particles $\rightarrow$ NCO vapors

Time 10-15 min sample

Plent 1-22

Earl Moore
UA20^R -

G-1066

CNR 122-3950

will call AMM.

60M lb yr.

F&F consumption

-252
Bill ^{Meredith} ~~Robert~~ ~~Flint~~ Methanol

Gregorovitch

< 4% CH₃OH on total paint

Clay Smith -
Phila - see art 6.

Ben Johnson

Fed Reg. 10-13-72

FDA -

Reg eff. April 11, '73

child resistant closure
req'd on L. with
more than 4% methanol

Reg. paint cans may comply

1-5-73

use on COMREQ - for new prod. only
Comm. will rule on them
TRM will - new. Aust. - prot. sup. comm.
on new prod. only for new

Bill Meredith 178-252

If CA_2OH exceeds 4% must
put skull & X bones on label
on container

Also would have to have child
proof closure on consumer paint
per FTJ + LJ

Al Cowen

Dept of Health

meas. during Immun^R

GM died London Aust.
next week or following

can do 6 samples/hr.

Methods identical

Desmolar as HDI

1-5-73

Burt Wright - 162-335

Tonka tag - Minne

% Rb Ft.

ar

CI

Tin

zn

Will - send -

EBB to see about ans.

Staff - 1- 8-73

① NCO mess. -

Came out

② Mess Pt Com

⑤ VA20

G-1066 - 5-4

1-8-73

- Earl More

R+H recog presence of a lot of TMSN
ICD did not realize that so much
TMSN was produced (as much
as 50% of VAZ → TMSN)
had no idea we used over a few hundred lb

R+H - AZO cat used at high level - 1.5-2.5%
cat. based on monomer

.3 - .8% TMSN in final
acrylic polymer

TZU - 0.5 ppm

samples of DD polymer sol'n
contain as hi as .1% TMSN

acrylic copolymer in Toluene
used coatings

normal amt of VAZO for polymer.

bulk - takes less than sol'n

40-65°C - an 0.05% VAZO

suspension 80-90°C 0.05 - 0.1% VAZO

sol'n 80-90°C .5 & 1.0%

- TMSN - use gas chrom.
method

he will send

cut off only about 50% in acetylene

as much as 50% could $\rightarrow$ TMSN

no way to prevent formation
of TMSN in the reaction

in solids - disappears - sublimes
doesn't decompose

PtFE only catal. that makes acetylene sol's

call handled by CRI - 1-8-73
- Denver Poison Control Center

2 yr. old child ingested ~~AE~~
Rally liquid soap

called Zapp - pump out stomach
watch for diarrhea
don't let vomit

COS

Tom Nelson

TRM

COS

EBS

1-2 PM

to do Can. test

KG - 8834

W Woods - Ill def. same as R-66

Al Gowen
GM - Paint - Imm^R from U.S.
first mess.

0.02

~~TRM COS~~

Tom & Go if cleared by Gowen
(1) mess. air flow or confirm
(2) mess total NCO
(3) mess HDI rem partic.

made adv. arrange in Customs
go to Toronto

Terry Thomas - Mass

emerg. reg. for exempt. just only
Recall ?

Emerg. Reg - filed in Seed State
eff. 1-1- → 3-31-73

label for industrial gas

"Poison - city Pb do not use
on toys, farm, or houses"

no paid exempt after 4-1 unless so labeled

Exempt

- not avail for sale to gen'l public on retail basis

would ^{not} apply to appliances painted
couldnt sell Pb paint new to apply to appliances ^{in Mass.}
Latex and primers not avail for
sale to gen'l pub. on retail

after April 1, labelled basis
just got it
will send copy

may have to challenge the basic law

stock - viol. now

informed non-enforcement
could be perhaps neg.

pg 1193 - sec 2

would -

Al Gowen

1-9-73

EM Diesel

Wed or Thurs.

will know by Thurs.

Mr. Morton-

FTJ -

Fed Preemption expected
soon which will nullify state PL
laws if off sharped.

∴ Refonish is ignoring Mess.
PL law

Walt Woods

dir of R-66 reactivity

Joe Pawelshki

will call Wed AM

Ms Loe

Poison Control Center

- Al Hawen -

map for auto -

don't want duplicate testing

1. ~~say~~ supply bad

not keeping up - contract

2. $\approx$ PPG) we got bus.

CIL) from them

sprays say cough more

= DD paint

like PPG + CIL better

Fred Gershman - 197-125

for Burke

C + E N

1-8-73 pg. 4

ethylene amine - H-765 ^{11 use}

we use a lot of it (5-7)

40 M. lb
57 M
100 M

we have never had a problem

Chicago Phila

Ex MD $\leftarrow$ 100 M

Parlin

Prouss Eng

propylene amine

14367

no 0 Residuals -

1-9-73

- Mearns Hunt -
TMSN

1964 Haskell

60 mg/kg. oral
ALC 16 ppm

subacute inhld -

resp. + cent nervous

~ .5 ppm TLV

skin 100 mg/kg ALC

no CN created in body

Mike Miller

179-200

FIS

Industrial Finishes

air dry acrylic lac.

Toluene, MEK

ask Haskell

Clay Smith

Mo Canada GM visit

Mass. Paint -

he is not aware of Fed Pre-emptive

1-10-73

Flint -

1-22

2-3 days then

230724 -

th 1/2 spraying

Refinish -

Typical - body shop after results of Flint

he will make list of Q for
Canada

Lower

will set up test at Trig Center
+ call back Today

advised him we were not going
to Canada

he will set up test in local
body shop

Bill Henry - x 361 Flint
Tom

Martindale - gauges

air mask

MSP 505 (De Vilbiss)
act. charcoal
Vapor absorber

plan to soon
recom. to trade

Dech Warty

Dec 21

Phthalate - \$

ethylenimine - expect no problem
as long as it is "no contact"
he will get test bulletin for us

Warty -

HCl + HC=O
heat + moisture
via chloromethyl ether

send auth for \$500

Joe Waddle - 824-251

tox. ink on wrap
dog food -

Standard Brands Dry dog food
sponge cloth wrapped in
polyethylene wrap -
print
inks are not FDA ~~for~~
approved

WZ

is any reg. that would

Task - 2-1-73

EPA - FA -

- send cc slides -

Burke:

Ethyleneimine

- Warranty - saw
- (1) get air level measured
 - (2) give him more toxic lit.
 - (3) adv. that oper. permit from DOE may be req'd in future.
 - (4) switch to propyleneimine might buy some time

he will
talk to
21

Diem
L

get Nelson to make
survey

FI 5.00/lb

PI 3.00

1-10-73

Joe Burki

licensed to Dyno, Norway

Lyn - (Holland)

Daw

OS supplier

Badisk - Ger - supplier

comes in pressure cylinders

pres. $\approx N_2$ to pump, then

pump to reactor

1 ppm = 1.8 mg/m³ at end flush pipes

V.P. = 160 mm Hg at 20°C (Patty 2172)

doesn't know if air meas.

have been made

(Gyr. use)

will check - + get recent test or new test

propylene imine - also used

VAZO -

↳ up to 3%

all going to ind. + is bled

latex for consumer - no VAZO used

and persulfate used as cat

Joe Bush - [had chromethy] ¹⁻¹⁰⁻⁷³
where use formaldehyde
don't use HCl

think we don't use together anywhere
but will check & call back

TLV book list of carcinogens
ethyleneimine only (on list
that we use as far as Parke knows)

Earl Moore

and. file -

Wm
Bill Chantowick
122 - 3943

don't have procedure for anal
of TMSN in syrups
pure - extract

Elvacite
syrup

gas chrom. method
hexane was used
toluene band masks TMSN
method → UAZO + TMSN

air - will send

R+H - Ray Hill, Springhouse Res Lab
Phil Dir. & Purch

Dir. & Res. - Dr. Harry Cenci 215-643-0200
X 382

1-10-73

Agar

X-121-3476

1037-220

Glenn Hedge - Dallas Sales
Grand Prairie Texas -

Imam^R - asthmatic
tracheal bronchitis

Perf. ear drum
C. puffer to virus

Arm Body Co.

Clarence Williams

Dec 29 Spray truck

Emergency Room on 31st

shortness of breath

Referred to clinic on 1-2-73

Lower sec.

Harry Koshen - Refinish Sales Dallas

another case Imam

Ken Miller -

adequate ventilation

2 men - using gauge bubble
mask -

nothing on label that says
use respirator

Geo Evans

1970 tests

organised - 1 sample

0.1%

gas drawn -

flame ionization
detector

TM-SN on total paint

Morgan Hood cond. that

smell was too small to worry

0.05 -

.005 on solids or 50 ppm

Anderson - 4880 Pb

Mass. - gas

detected

Tom Nelson

Sanding Preparation

1 to 3-4 fibers to

4" above sander

grinding particles to $\Rightarrow$ 2m long

still going to ask - resp. dust

Bob Sprout

offered to help in GM Canada
test if we wanted it

1-10-73

Jim Morgan

TMSN -

He with made review in plant
to see if dangerous exposure
existed + concluded they didn't
didn't consider customer use

need anal. method

Ethylene oxide

He made IH survey at
F&M Motion - rev. procedures
part. equip. - spill proc. etc.
concluded no problem
no air meas. needed
because of complete isolation

Thinks no survey needed now

Harry Kasher - Refinish Dallas

TBL

- Don Sullivan -

Epoxy[®] resin - trans to Plastics
made at Phila.

2 mm lvs / up to Plastics

Ray S.

Geo Lewis -

send him 99 11/12

HL Jakubowski

UAZ₀ - lab mass

Powder etc

H₂O

HCl

send to OMM

Earl Moore 122 3750

he doesn't know stability in air
quite stable to water

, at elev 7500 ft get HCN

if burns, get HCN

will send 5 beaks

Vapor Pres of TMSN

Zapp

1-12-73

Refin - Ohio Casualty Co

Rx drink paint
↳ if drunk not empty
don't induce vomit

TMSN

he hasn't heard

Fred Lushman

We will call him if any change
in status of ethyleneimine -
permits needed etc?

Mary Hunt

John Polhemus Ball Corp
Muncie Ind.

gave info to

317-284-8441

W Powers +

he will take care of

CMH

1-12-73

GM Tex
safety during welding painted
metals
send him OSHA

TRM

C.L. Gray
2cc

Freon Prod Div
14th F.S.I.

wants NC reg.

1-15-73

Tom Linn

Ph in Mass -

penalty

labels -

see FTJ

~~FTJ~~

Mass. Labeling -

prob. void because of
Federal Per exemption

see Fed Reg. 9-14-72

pg ~~2~~ 18628-9

1-16-73 Bob Knaus

John Hitchens

60' deep x 18' wide x 22' hi

trailer 45' x 8' x 7

2 4' x 4' fans pulling air out
of room

spray sometimes

spray any color but white without
trouble

93- 29961 yellow no problem -

93- 21667 white - ~~factory package~~
Reducer

38125

1 man passed out

93 - 29961 mixed by jobber

paint/ trailer -

4 gal - 5 gal - 1 man
2 hours +

~ 25% reducer

Stanley Winkelhawski, Phila RSC

93 - 29961

Ingredients per gallon

54505 - 160 grams

230 1120 "

400 2480 "

410 4820 "

Bonnet

Tommy Lagg

home 1933 N. Lincoln St
Wilms 19806

retired
123 - 2639

RSP - cont traino
present in
654-5269
Epo. Dec

Red Cross
910 6444

First
Red Cross 655-3344

mm - solvent H 596

Fast. Phg. H 570/596 blend

T-3812 = T8610 (1-27-66)

14-257 56.2%

14 678 43.8%

6.59 lb/gal

T-68610 R-66 T-8610

Dir RX

550F RX

oli naphtha - 423 124 lb

—

UM + P naph R 425 360

—

Toluene 49 70 64.7

MEK 35 76 —

UM + P naphtha (ali) 775 — 577.3

630 642

Used in Refineries etc.

Mineral Violet w-501

CI 77742 (2767 Rf1)

Mn⁺ NH₄P₂O₇ Mn ammon. pyrophosphate

Ultramarine blue (w-514) 77007 (2778)

polysulphate of sodium⁺ aluminosilicate

n K, Li, n Ag

Ferric Yellow w 630 77492 (2716) FeO(OH)

Dick Jorgenson Spec. Dir.
Am. Heart Ass.

1-16-73

coord. - o'sches

films

" strips

try. Resusc. Annie have 30m &
have local - 15-25/mty
ext. heart massage

min. 2 hr. -

Dick Howard will call

films - 1 week

slides - demonstr. - next mty

Safety Comm.

5 programs for '73

Crising
Winter

Preventable Auto Accidents

Pedestrian

Time deadline

mid month prior to
~~action~~

1. TIPS

look, plan, ahead
expect unexpected

2. Knowing is not enough
ex. Toledo

3. Drinking Test (Pages)

4. Traffic Pattern

5. Heart

(May)

EES to see if time can
be limited to < 1 hr
+ feasible for other cities

6. Emergency Actions

7. IFO - film on car crashes

8.

~~fact~~

Safety Calendar for following year

9.

Security

Personnel Co. property

10.

Training for inspectors

Can use cassettes 30 min

Ray Wendlandt 162-315

1-16-72

Bob Knaus Re: Giordano Bros.

Nothing in 93-21667 diff from
| colors that could cause
solvent inh. symptoms -

Sounds like ventilation wrong
altho 48" fan can move 26,000 cfm
at 0" Pres. drop
1/2" S.P. → 12,000 cfm

sugg. he might to make sure
enough air is coming in
& that fans are properly located
(mist in face indicates poor fan
location.)

or fans would need to move

$$40 \times 22,000 \text{ ft}^3 = 880,000 \text{ ft}^3 / 2 \text{ hr.}$$

$$\approx 440,000 \text{ ft}^3 / \text{hr.}$$

A. Geib - McMaster-Carr #3450 free

1 1/2 HP 48" ft³/min 23,600 ft³/min

2 HP 26,000

$$\text{free } 26,000 \text{ ft}^3/\text{min} \times 60 = 1,560,000 \text{ ft}^3/\text{hr}$$

1/4" S.P. 22.2 "

1/2" S.P. 12.3 "

$$740,000 \text{ ft}^3/\text{hr.}$$

Pigments

TiO₂ Pure
Mineral violet
Ultramarine blue
Ferrous yellow

} all wrong.

Solvents same as 93-29961

22,000 cu ft space

∴ 2 48" fans at 1/2" SP should provide 2 changes/min(?)

Giordano Bros.

$$\begin{aligned} 60 \times 18 \times 22 &= 24,000 \text{ ft}^3 \text{ in room} \\ \text{trailer } 45 \times 8 \times 7 &= 2520 \text{ ft}^3 \text{ in trailer} \\ 4 \text{ gal paint} & \\ 1 \text{ gal Reducer } 37125 & \quad 21,500 = 22,000 \text{ ft}^3 = \\ & \quad \times 0.0283 = 610 \text{ M}^3 \end{aligned}$$

51.7% volatile by wt

$$8.52 \text{ lbs/gal} \times 4 = 34 \text{ lbs paint} = 17.7 \text{ lbs solvent in paint}$$

$$1 \text{ gal Reducer} = 6.3 \text{ lbs} \quad \underline{6.3} \\ 24.0 \text{ total solvent}$$

$$24 \times 454 = 10900 \text{ grams}$$

$$10.9 \times 10^6 \text{ mg solvent} / 2 \text{ hrs}$$

$$\text{or } 10 \times 10^6 \text{ mg} / 610 \text{ M}^3 \approx \text{no ventilation}$$

$$\text{or } 1000 \times 10^4$$

$$1.64 \times 10^4 \text{ mg} / \text{M}^3$$

$$\text{or } 16,000 \text{ mg} / \text{M}^3$$

$$\text{TLV Xylene} = 100 \text{ ppm} \approx 435 \text{ mg} / \text{M}^3$$

naphtha

400

toluene

375

hexane

180

assume TLV of mixture is $400 \text{ mg} / \text{M}^3$

$$\frac{16,000}{400} = 40 \text{ air changes / hours} \\ \text{needed to keep below TLV}$$

Dr Zapp

1-16-73

EES Hollingshead Corp.
VZ 208-

octylene imine - 0.5
control may be tightened

ACGIH tent. list
no status with OSHA

Pirrylene imine - 2 ppm
guess -

mutagenicity

Hg reaction to paint -
suit

Ray Wendlandt -

what film forms can be baked
without being
thermosetting can't do

Catalyst

in Ohio - if film redissolves
in own solvent, not considered
polymerized or x-linked
Ashland Oil Pg 3 2nd para.

AS Lowen 130-371
got Quest.

run made today
DD Murray Coleman

Mr Morton - Dept of Health

1. jet - office controlled
2. midget impinger - 30 ml bottle
4 mls of reagent liquid
3. no filter
4. ~~no~~ solvent noted noted no
eye smarting did not occur
5. overspray blowing all over place
(90 lb line pressure
real cloud of mist
resp. prot. is mandatory
6. Mr Morton - sampling does
not distinguish between two
but test method does +
meas. H.D.I.

Results - by P
gone to Tom Nelson 11/17/73 AM

1-12-73

- Morgan

Len Gonslow

215-277-3210

Occ. Health Program

Pa Dept of Env. Resources

Reg. I

1875 New Hope St

Maristown Pa

free consult. or ventill
and ind. Hgg.

J. Zapp -

J. U. Carlin, Semil Hempstead
Du Pont UK

Belis -

Teflon tor.

which gives off HF gas when burnt

ows HF

upto 450°C

$450-700^{\circ}\text{C}$ COF_2

750°C $\text{P} + \text{H}_2\text{O} \rightarrow \text{HF}$

mainly in

1-17-72

~~Huber~~

Use

- ① Air Line Reg.
- ② improv. gloves

aprons not necessary

no skin contact

if get it, wash good + soon

Al Dade - told above

X-373

he said resp. when
men are working near
tubes + I agreed

~~Heat Creek bath~~

How much Hays? hi side

Hi pressure water being used now

R. N. Dixon

Denton, Tex.

2nd Inm

J. H. Jones, Denton Tx

ethyl acetate - solv.

↳ mild ~~high~~ depress

sym. prob. due to ethyl acetate

" comp. to solvent overexposure

letter from P. Mayes, ML

10¹⁵ PM Nov. 29

CFR called him

letter Dec 7th

C. F. DeBour

CFR

RND

C. F. Reinhardt

Doesn't recall saying that
respirator should always be used

how about workmen's comp.

cond. did not sound like NCO
sym.

Carter Johns

L+N - 20

1.75 - 2nd earn '74

Airline -

EAL 7 1/2 connect @

already has a lot of dept

Seale Com. Bond

Tesoro Oil -

PAA 7 1/2 @ per

80% avg 10 days - 1975

Deck Howard, Am Heart Ass'n.

if done by st. Cardiac Resuscit.

6 hr training

8-9 hr for instructor

George

Christians lab

is 10 instructor

1 in 5

2 in 15

1-19-73

Habitat

wants to know how we choose
particular signs first in the
cell audit

Rich Horner - Flint

Okis -
AP-5

Van Hoesen

Will send ink vch.
for Haskell test before
sending to Mike print plant

Al Lawen

1-22-73

GM test 1-16-73

1 test by Mr. Morton
could make only 1

= 0.04 ppm 2 x TLV

Dept of Health 1st test - known

GM - better than avg. conditions
for industry

free NO as Desmond. N
Morton has " " and
is going

he believes test is same for
both and has seen no data
to the contrary.

GM OK

Al's plastic hoods - OK too

Can obj. to charcoal filter
was doesn't prot. skin & eyes

1-22-73

Nelson

Can results
be wet mass on Wed. - Flint
plain
than filter
thus char. resp. photo

1

W Zimmert

1-23-73

Tom Meranda Whirlpool

Ti

SO₄ = ?

Zr

in metal treatment rinses

too - of low valent Ti Zr
both not esp. toxic metals - depends on compound,
conc. ingested, route, etc. need more details

Nancy Hunt

propyleneimine is carcinogen
Natura April 1971

carcinogen on rats

J M Williams 123-3967

3 GPM demonstr unit

less exp. than most alternatives

Cu

Ag

Hg

Pb

can't do Zn

Ci

Unknown - Zn

- Ti

prob use ion spec.
or opt.

Bob Dorsh - Zbg Dept 123.

flameless at. absor. method for

Pb @ 1 ppm

Jim Deolin is Pb anal. man
he knows Dorsh

W Z

Indians

R-66 solvents

FTJ

CSH-

→ allyl isothiocyanate

1/4 of 1%

0.25% by wt of glue

food flavor ad. in spices
how much is added

is it a carcinogen

— Does - FHSA tests run?

— Plastics

A.S.

Dick Diem - MC -

mfg. dir.

why in Hg

Ph -

regul. }

needs within
a couple

OSHA

EPA

Conform Unit

send him LA ann. Report

Rod Morgan

- EA Andre

Tale from UT - sent to EAA

Nancy Hunt -

To J A Z RSCW
CSA

Phil Harrison - (CM Smith replaced)
girl passed out
959- before

MIBK
DMA

Mark Krause
Glen Stech

must Thompson - 1-24-
Safety Comm

H - 367

Nov 72 TO

86116 ~~P~~

79 127 J

4 P

H - 367 Used in ↓

79, 992

Line No.

RC 944 ?

956 ?

3181 944/945

11005 310, 315, 345, 389, 548

11010 310, 389, 1389

11 —

14 311, 315, 394

15 315

110 25 310, 345, 389, 392, 548, 830

RCH 5129 3924

RKC 5958

RKC 8908

RKC 13083

RKH 14565

Paul Pringle

-W-106

Refinish

RF-02-366

946 Inst. Tinting Loc.

Siberling flake
(al flake)

JAN 24 1973

E.E.S.

John Emerich

~~can~~

Ind -

R-66 solvents

can be added to exempt list

Sherr Kelly

Moder report on Teflon

ICI adv. Teflon^R

Nancy Hunt

ACTA-1

26 wk study - @ 1000 - 10000 ppm

in rats - no macroscopic effect

50 mg/kg 20 d. on 10 rats

subcutis ulcers

conc. in food - mustard seed

Cabbage

broccoli

buy. horseradish

- 86% albuterol

87%

Reg Connor PPCA

NOTED

JAN 24 1973

Ind. as of 1/4/73

E.E.S.

~~R-66~~ solvents are exempt

Dean

hydroxy urea
teratogenic

Sept. '72 Pg 17
"FDA consumer" pg
FDA Scientist says
Tupper safe

Sherm Kelley

wants cc of any toxicity letters
of mfg or lab interest

J. Zapp

Propyleneimine
agrees to April 16, 71 "Mature"

Bob Crowe

CTB note

Walt Hagist

Burt Wright

Letter to Tanka

NOTED

JAN 25 1973

E.E.S.

OK so long as

includes press. of contain.

Tanka

Ph

U

Cu

As

WZ

A-66 be ind in 506

min. daily 40lb

Rm - 7007 2⁰⁰

CMH-

Ph welding

tell them to follow Page!

5th = 25 mm
UP

@ 25°C

Takes except if < 25 mm
@ 25°C
1 hr

Acetate benzene 74 mm

MEK 91

Butyl acetate 15

THF 180

MIBK 7.5

Toluene 28.

Xylene ~ 15

nitrated 96 at 25°C

Osgood 1032 - 421 not in

Bes Evans

- wants to see Canada

- Prop. Iminine + ethylene
thinks he has a good method
- will do NCO ASAP

Mancy Hunt

67 mg / 100 ml(?)

Andy Ruthiewicz + Tom Brady + EES
Brestone Hot Windshield Leicer

26% H₂O₂ - no dip tube $\therefore$ changed
wants to go to Haskell. ^{out 2d}
Temp. - out at RT - then $\geq 150^{\circ}\text{F}$ ^{insert}
test prod - ^{+ tilt}

~~Bar~~ L

Thurs Fri out
Tues - 10⁰⁰
9⁰⁰

Jack Lowe
27 Line Fillers

NOTED

JAN 26 1973

151 1459-50

E.E.S.

limonene may be ~~scanned~~
methoxy inden

JAN 26 1973

E.E.S.

Diphencyl cyanosarin

more

Ray W. Wadland - 162-315
Etowah Mfg Co

Pb content 11-22-72

963 Lin Hibak acrylic 375°F
exterior of Al corn poppers
6000 - 8000/day

concerned about emission

963 ASM - 121 - Gold	} ordered P.O. from Patterson
122 avocado	
123 Poppy Red	

Fix Med. Lab
production

look at formulas Mon
decide whether tests needed
at Temp 373° will there
be any dangerous emissions
inner shell Teflon coated
heating element attached to
bottom of outer shell

NOTE
JAN 29 1973

E.E.S.

What will mfg. drying / baking
conditions be?

NOTED

Harsh De Marsicis - send
NPS to Kirkpatrick E.E.S.
JAN 29 1973

Ray Connor NPCA

D. Zapp -

R.F. Browning

Allyl isochlor

not a carcinogen
mice tumors

variant + co carcinogen
A71 - Can - F + D Dis.

4 drawback

1. wide range of sensit.
2. A15 not too stable
effect lost 2-3 mo
gone by 6 mo.
3. snuffed in ketone + ester
solvents
4. In the amount - makes
work unpleasant

some v. sensitive

don't add to cosmetics or
aerosols

Toxicity depends on # free NCO
TDI more toxic than TDI - correct

Diff resp. tox. of HDT and Dec. W
is the same at same
conc. in lungs!

PTS address to KF Browning ^{2 PTS}
Discredit eye test paper

JAZ gave message to Sec.

Andy Ruthven

P-69

Rally L. Car Wash -

bot old can - no warnings
on it

now says $\Rightarrow$ "alghleryl sulfonate"

2-72

5-71 also says

Old $\Rightarrow$ Car wash conc.

Rally Car Wash Conc.

Len Johnson

Rally Lig. Car Wash 8-69

Oct 71 -

Dave Seebur

Osgood -

Texas ^{will adopt}
parted
pressures 9.5 lb

Reg. does not apply to coatings

EES say. we remain silent
on coatings indust.

called Ray Connor + told him

Sen J.

V2 247

2-16-70 JAN 29 1973
Entered in file

H 506 22.2

E.E.S.

H 797 78 Stegan agent

Ray

NOTED

JAN 30 1973

E.E.S.

Vern Osgood - saw 8 Texas Bd.

libel part pres on % Conc
~ 3%

after big process emissions

SPARR

Sten Igum - Spewer, Wade - ^{actually} write the reg
Borden leaves details up to Spewer

GL Evans

1 ppm

.02

Toni Nelson

White Urethane enamel

Spray 12 panels

15 x 40' booth - vented
~ 10' / min

① #35 Vapor - with filter mask
Urethane spray filter
spray mask

#36 vapor + overspray
same as Canadian
medget

37 Ethyl acetate only
cellulose acetate only

#35 5 1/2 min

#36 8 1/2 min

dos. will be in ppm air

3 ft. away from sprayer +
downwind

Al Bowen

R-66

NOTED

JAN 30 1973

E.E.S.

Geo Evan

02-35

± 0.02
0.03 ppm calc as HOT
factor in calc based on

any HCO which hyd.
to amine which
reacts $\rightarrow$ color
mask picked up visible

02-36

0.07 ppm

$\pm$

calib. curve

precision of reading poor

1 cm cell -

can use 5 cm cell increase

abs. + imp. precision

$$= \frac{\text{Dil. vol. req'd} / \text{gal solvent}}{4 (100 - \text{lel}) (\text{ft}^3 \text{ vapor/gal})}$$

lel

$$\text{lel} = \sim 1$$

$$= \sim 400 (\text{ft}^3 \text{ vapor/gal})$$

acetone = 44 ft³/gal (const)

$$\frac{44}{2 \text{ lel Acetone}} = 22$$

See OSHA reg.
 May '71
 Tot air vol. -
 25% of lel

C Spray Fin op.
 B-

Clay 5.

8³⁰ - 5275

NOTED

JAN 30 1973

E.E.S.

Solvent also

Smith
Lauer
Evans

ACO

Mix paint just before
spray

I. Adequate air Flow

1. with filter
2. - " no filter

NOTED

(Booth exhaust
JAN 31 1973 on)

E.E.S.

ReVelhin MS^P 585 double char. + fabric

II No air -

1. with filter
2. with no filter

NOTED

JAN 31 1973

E. Andre

Bengene will send letter ^{E.E.S.} this week

Ethyleneimine -
send him letter on

Dick Dein -

3-12-71 Hyon gave formula

eye - inst.

3-24-71 - WWM &

PHSA -

Stoll -

no change in Car Wash
formula since 1969 at least
we still use 78/22% H₂O

Geo Evans -

Li Polysulfate primer -
PTFE topcoat

NOTED

JAN 2 1973

Ray Wendlandt 162-315

Recommended bake 10-15 @ 350°F

Etowah - will do.

max. in service - 375°

test

4 min on

" " off

1000 X

heating element suspended

entire outer shell is painted

Told him -

wouldn't expect toxic emission at 375°F

can't sell poppers in Mass. & perhaps
other locals - he should advise
customer & check

Ray Morrow - doesn't feel strongly