

EMPLOYEE EXPOSURE SUMMARY
FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical VINYL CHLORIDE

(VCL)

IHG
or
TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	N.D.	PERSONNEL		8 HRS	N.D.
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	N.D.	"		"	N.D.
"	OPERATOR - ENTIRE PLANT AREA	O.T. ON SHIFT	2	N.D.	"		"	N.D.
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	N.D.	"		"	N.D.
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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On File

DO A 112227
CONFIDENTIAL

EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical Vinyl Chloride

(VCI)

IHG

or

TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	LAB, WARE HOUSE, PLANT, OFFICE	MATL. / LOADING CO-ORDINATOR	1	N.D.	PERSONNEL		8 HRS.	N.D.
"	ENTIRE PLANT AND C.I. RACK	LOADING S.O.T.	1	N.D.	"		"	N.D.
"	CENTRAL L. RACK, LAB, OFFICE	BLOCK 6 - LOADING OTT / OT	2	N.D.	"		"	N.D.
"	ENTIRE PLANT	ELECTRICIAN	1	N.D.	"		"	N.D.
"	ENTIRE PLANT	EDOC MAINTENANCE	3	N.D.	"		"	N.D.
"	ENTIRE PLANT	SUPERVISORS	3	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

IHG

or

TLV

Plant and
Block N.

(VLD)

GLYCOL T - BLOCK 15

Chemical VINYL CHLORIDE

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	N.D.	PERSONNEL		8 HRS	N.D.
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	N.D.	"		"	N.D.
"	OPERATOR - ENTIRE PLANT AREA	O.T. ON SHIFT	2	N.D.	"		"	N.D.
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	N.D.	"		"	N.D.
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units & Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist:

mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No. GLYCOL I - BLOCK 15

Chemical VINYLIDENE CHLORIDE

IHG

or

TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	LAB, WARE HOUSE, PLANT, OFFICE	MATL. / LOADING CO-ORDINATOR	1	N.D.	PERSONNEL		8 HRS.	N.D.
"	ENTIRE PLANT AND C.I. RACK	LOADING S.O.T.	1	0.04	"		"	0.04
"	CENTRAL L. RACK, LAB, OFFICE	BLOCK 6 - LOADING OTT / OT	2	3.44	"		"	4.58
"	ENTIRE PLANT	ELECTRICIAN	1	N.D.	"		"	N.D.
"	ENTIRE PLANT	EDOC MAINTENANCE	3	0.01	"		"	0.03
"	ENTIRE PLANT	SUPERVISORS	3	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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DO A 112230
CONFIDENTIAL

EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

ING

or

TLV

Plant and

Block No.

GLYCOL I - BLOCK 15

Chemical PPM (VOL) DATE 11-15-78

Units PPM (VOL) DATE 11-15-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel	Grab		
4th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	2.11	PERSONNEL		8 HRS	4.02
	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	2.54	"		"	2.94
	ENTIRE PLANT AREA	O.T. S.C.T.	2	2.03	"		"	2.62
	LAB AND PLANT AREA	71 S.C.T.	2	2.06	"		"	3.08
	LAB AND PLANT AREA	LAB OT	2	7.22	"		"	16.64
	LAB AND PLANT AREA	SR. ASST. (HEM.)	2	3.21	"		"	3.92
	MAIN OFFICE BLDG.	OFFICE TECH	2	0.53	"		"	0.73
	ENTIRE PLANT AREA	PIPE FITTER/Welder	2	1.5	"		"	0.32
	ENTIRE PLANT AREA	LAB USE	1	0.78	"		"	0.78
V	ENTIRE PLANT AREA	INST. TECH	2	0.34	"		"	0.42

Units of Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No. GLYCOL I - BLOCK 15

Chemical 1,2-ETHANEDITHIOL

IHG

or

TLV

Units Per 1000 Date 11-15-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
<u>1st</u>	<u>LAB. OFFICE</u>	<u>MAY 12 1978</u>	<u>1</u>	<u>1.05</u>	<u>PERSONNEL</u>		<u>8 15</u>	<u>1.05</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>LOADING S.C.G.</u>	<u>1</u>	<u>0.80</u>	<u>"</u>		<u>"</u>	<u>0.80</u>
<u>"</u>	<u>CENTRAL L. RACK</u>	<u>LOADING S.C.G.</u>	<u>2</u>	<u>2.20</u>	<u>"</u>		<u>"</u>	<u>2.20</u>
<u>"</u>	<u>LAB. OFFICE</u>	<u>BLOCK 15</u>	<u>1</u>	<u>1.07</u>	<u>"</u>		<u>"</u>	<u>1.07</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>ELC. MAINT.</u>	<u>5</u>	<u>1.07</u>	<u>"</u>		<u>"</u>	<u>1.07</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>SUPERVISORS</u>	<u>3</u>	<u>1.83</u>	<u>"</u>		<u>"</u>	<u>1.83</u>

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

IHG
or
TLV

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical

ACE-5011

Units

PPM (VOL)

Date

11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	0.82	PERSONNEL		8 HRS	1.02
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	0.43	"		"	0.53
"	OPERATOR-ENTIRE PLANT AREA	O.T. ON SHIFT	2	0.42	"		"	0.55
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	0.41	"		"	0.52
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	4.67	"		"	6.57
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	3.71	"		"	4.65
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	0.16	"		"	0.21
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	0.16	"		"	0.17
"	ENTIRE PLANT AREA	LABORER	1	0.41	"		"	0.41
"	ENTIRE PLANT AREA	INST. TECH.	2	0.31	"		"	0.34

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist:

mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No. GLYCOL I - BLOCK 15

Chemical

ACETONE

IHG

or

TLV

Units PPM (VOL)

Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
<u>4th</u>	<u>LAB, WARE HOUSE, PLANT, OFFICE</u>	<u>MATL. / LOADING CO-ORDINATOR</u>	<u>1</u>	<u>0.25</u>	<u>PERSONNEL</u>		<u>8 HRS.</u>	<u>0.25</u>
<u>"</u>	<u>ENTIRE PLANT AND C.I. RACK</u>	<u>LOADING S.O.T.</u>	<u>1</u>	<u>0.42</u>	<u>"</u>		<u>"</u>	<u>0.42</u>
<u>"</u>	<u>CENTRAL L. RACK, LAB, OFFICE</u>	<u>BLOCK 6 - LOADING OTT / OT</u>	<u>2</u>	<u>0.375</u>	<u>"</u>		<u>"</u>	<u>0.38</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>ELECTRICIAN</u>	<u>1</u>	<u>0.54</u>	<u>"</u>		<u>"</u>	<u>0.54</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>EDOC MAINTENANCE</u>	<u>3</u>	<u>0.47</u>	<u>"</u>		<u>"</u>	<u>0.61</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>SUPERVISORS</u>	<u>3</u>	<u>1.09</u>	<u>"</u>		<u>"</u>	<u>1.96</u>

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): The sum of hours in each area x average exposure for each area
Total duration of samples

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DO A 112234
CONFIDENTIAL

EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No.

GLYCOL I - BLOCK 15

Chemical PROPYLENE GLYCOL

IHG

or

TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
<u>4th</u>	<u>70 CONTROL ROOM</u> <u>BOARD OPERATOR</u>	<u>70 O.S.</u>	<u>2</u>	<u>N.D.</u>	<u>PERSONNEL</u>		<u>8 HRS</u>	<u>N.D.</u>
<u>"</u>	<u>71 CONTROL ROOM</u> <u>BOARD OPERATOR</u>	<u>71 O.S.</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>OPERATOR - ENTIRE</u> <u>PLANT AREA</u>	<u>O.T. ON SHIFT</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>BOARD OPERATOR</u> <u>AND PLANT AREA</u>	<u>71 S.O.T.</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>LAB AND PLANT AREA,</u> <u>SAMPLING & ANALYSIS</u>	<u>LAB. O.T.</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>LAB AND PLANT</u> <u>AREA</u>	<u>SR. ASST. CHEMIST</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>MAIN OFFICE</u> <u>BUILDING</u>	<u>OFFICE TECHNICIAN</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u> <u>AREA</u>	<u>PIPEFITTER/WELDER</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u> <u>AREA</u>	<u>LABORER</u>	<u>1</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u> <u>AREA</u>	<u>INST. TECH.</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No.

GLYCOL I - BLOCK 15

Chemical

Propion Acid

IHG

or

TLV

Units PPM (VOL)

Date

11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
<u>4th</u>	<u>LAB. WARE HOUSE,</u> <u>PLANT OFFICE</u>	<u>MATL. / LOADING</u> <u>CO-ORDINATOR</u>	<u>1</u>	<u>N.D.</u>	<u>PERSONNEL</u>		<u>8 HRS.</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u> <u>AND C.L. RACK</u>	<u>LOADING S.O.T.</u>	<u>1</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>CENTRAL L. RACK,</u> <u>LAB. OFFICE</u>	<u>BLOCK 6 - LOADING</u> <u>OTT / OT</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>ELECTRICIAN</u> <u>EDOC</u>	<u>1</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>MAINTENANCE</u>	<u>3</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>SUPERVISORS</u>	<u>3</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area x average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No.

GLYCOL I - BLOCK 15

Chemical

Propylene Glycol

IHG

or

TLV

Units

PPM (VOL)

Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	0.27	PERSONNEL		8 HRS	0.43
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	0.36	"		"	0.55
"	OPERATOR-ENTIRE PLANT AREA	O.T. ON SHIFT	2	0.26	"		"	0.48
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	0.40	"		"	0.50
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	0.38	"		"	0.61
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	0.22	"		"	0.33
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	0.16	"		"	0.32
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	0.44	"		"	0.41
"	ENTIRE PLANT AREA	LABORER	1	0.05	"		"	0.05
"	ENTIRE PLANT AREA	INST. TECH.	2	0.05	"		"	0.05

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist:

mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA) = $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical PROPYLENE GLYCOL

IHG
or
TLV
Units PPM (VOL)

Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	LAB, WARE HOUSE, PLANT OFFICE	MATL. / LOADING CO-ORDINATOR	1	0.15	PERSONNEL		8 HRS.	0.15
"	ENTIRE PLANT AND C.I. RACK	LOADING S.O.T.	1	0.24	"		"	0.24
"	CENTRAL L. RACK, LAB. OFFICE	BLOCK 6 - LOADING OTT / OT	2	0.05	"		"	0.05
"	ENTIRE PLANT	ELECTRICIAN	1	0.05	"		"	0.05
"	ENTIRE PLANT	EDOC MAINTENANCE	3	0.51	"		"	0.70
"	ENTIRE PLANT	SUPERVISORS	3	0.14	"		"	0.26

Units of Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): The sum of hours in each area x average exposure for each area
Total duration of samples

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EMPLOYEE EXPOSURE SUMMARY
FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical EPICHLOROHYD. PIN

ING
or
TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	0.44	PERSONNEL		8 HRS	0.75
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	0.035	"		"	0.05
"	OPERATOR - ENTIRE PLANT AREA	O.T. ON SHIFT	2	0.10	"		"	0.15
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	0.05	"		"	0.07
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	0.02	"		"	0.04
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units & Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Task No. GLYCOL T - BLOCK 15

Chemical EPI-PROTECT

IHG

or

TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
<u>4th</u>	<u>LAB, WARE HOUSE, PLANT OFFICE</u>	<u>MATL. / LOADING CO-ORDINATOR</u>	<u>1</u>	<u>N.D.</u>	<u>PERSONNEL</u>		<u>8 HRS.</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT AND C.I. RACK</u>	<u>LOADING S.O.T.</u>	<u>1</u>	<u>0.02</u>	<u>"</u>		<u>"</u>	<u>0.02</u>
<u>"</u>	<u>CENTRAL L. RACK, LAB. OFFICE</u>	<u>BLOCK 6 - LOADING OTT / OT</u>	<u>2</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>ELECTRICIAN</u>	<u>1</u>	<u>N.D.</u>	<u>"</u>		<u>"</u>	<u>N.D.</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>EDOC MAINTENANCE</u>	<u>3</u>	<u>0.04</u>	<u>"</u>		<u>"</u>	<u>0.07</u>
<u>"</u>	<u>ENTIRE PLANT</u>	<u>SUPERVISORS</u>	<u>3</u>	<u>0.043</u>	<u>"</u>		<u>"</u>	<u>0.10</u>

Units of Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No. GLYCOL I - BLOCK 15

Chemical

PROPYLENE GLYCOL

ING

or

TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	N.D.	PERSONNEL		8 HRS	N.D.
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	N.D.	"		"	N.D.
"	OPERATOR-ENTIRE PLANT AREA	O.T. ON SHIFT	2	N.D.	"		"	N.D.
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	0.12	"		"	N.D.
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	N.D.	"		"	N.D.
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and Block No. GLYCOL I - BLOCK 15 Chemical GLYCOL Units PPM (VOL) Date 11-14-78

IHG

or

TLV

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	LAB, WARE HOUSE, PLANT OFFICE	MATL. / LOADING CO-ORDINATOR	1	N.D.	PERSONNEL		8 HRS.	N.D.
"	ENTIRE PLANT AND C.I. RACK	LOADING S.O.T.	1	N.D.	"		"	N.D.
"	CENTRAL L. RACK, LAB. OFFICE	BLOCK 6 - LOADING OTT / OT	2	N.D.	"		"	0.26
"	ENTIRE PLANT	ELECTRICIAN	1	N.D.	"		"	N.D.
"	ENTIRE PLANT	EDOC MAINTENANCE	3	N.D.	"		"	N.D.
"	ENTIRE PLANT	SUPERVISORS	3	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical

(ICP)

ING
or
TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	0.215	PERSONNEL		8 HRS	0.22
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	0.17	"		"	0.24
"	OPERATOR - ENTIRE PLANT AREA	O.T. ON SHIFT	2	0.12	"		"	0.20
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	0.14	"		"	0.21
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	0.03	"		"	0.06
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	N.D.	"		"	N.D.
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	0.036	"		"	0.036
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No.

GLYCOL I - BLOCK 15

Chemical

GLYCOL I

IHG

or

TLV

Units PPM (VOL) Date

11-14-78

Ref.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4+5	LAB. WARE HOUSE, PLANT OFFICE	MATL. / LOADING CO-ORDINATOR	1	N.D.	PERSONNEL		8 HRS.	N.D.
"	ENTIRE PLANT AND C.I. RACK	LOADING S.O.T.	1	N.D.	"		"	N.D.
"	CENTRAL L. RACK, LAB. OFFICE	BLOCK 6 - LOADING OTT / OT	2	N.D.	"		"	N.D.
"	ENTIRE PLANT	ELECTRICIAN	1	N.D.	"		"	N.D.
"	ENTIRE PLANT	EDOC MAINTENANCE	3	0.043	"		"	0.07
"	ENTIRE PLANT	SUPERVISORS	3	0.065	"		"	0.12

Units of Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area x average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical ISOPROPYL ETHER

IHG

or

TLV

Units PPM (VOL) Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	N.D.	PERSONNEL		8 HRS	N.D.
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	N.D.	"		"	N.D.
"	OPERATOR-ENTIRE PLANT AREA	O.T. ON SHIFT	2	N.D.	"		"	N.D.
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	0.018	"		"	0.036
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	N.D.	"		"	N.D.
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Dust (not Asbestos) or Mist:

mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and
Block No.

GLYCOL T - BLOCK 15

Chemical

(DCIPE)
DILUTION FACTOR

IHG
or
TLV
Units

PPM (VOL)

Date

11-14-78

Per.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4th	LAB, WARE HOUSE, PLANT, OFFICE	MATL. / LOADING CO-ORDINATOR	1	N.D.	PERSONNEL		8 HRS.	N.D.
"	ENTIRE PLANT AND C.I. RACK	LOADING S.D.T.	1	N.D.	"		"	N.D.
"	CENTRAL L. RACK, LAB, OFFICE	BLOCK 6 - LOADING OTT / OT	2	N.D.	"		"	N.D.
"	ENTIRE PLANT	ELECTRICIAN EDOC	1	N.D.	"		"	N.D.
"	ENTIRE PLANT	MAINTENANCE	3	N.D.	"		"	D.O.T.
"	ENTIRE PLANT	SUPERVISORS	3	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No.

GLYCOL I - BLOCK 15

Chemical

TRICHLOROETHYLENE

IHG

or

TLV

Units

PPM (VOL)

Date 11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	N.D.	PERSONNEL		8 HRS	N.D.
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	N.D.	"		"	N.D.
"	OPERATOR - ENTIRE PLANT AREA	O.T. ON SHIFT	2	N.D.	"		"	N.D.
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	N.D.	"		"	N.D.
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist:

mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No.

GLYCOL I - BLOCK 15

Chemical

IHG

or

TLV

Units PPM (VOL)

Date

11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4th	LAB, WARE HOUSE, PLANT, OFFICE	MATL. / LOADING CO-ORDINATOR	1	N.D.	PERSONNEL		8 HRS.	N.D.
"	ENTIRE PLANT AND C.L. RACK	LOADING S.O.T.	1	N.D.	"		"	N.D.
"	CENTRAL L. RACK, LAB. OFFICE	BLOCK 6 - LOADING OTT / OT	2	N.D.	"		"	N.D.
"	ENTIRE PLANT	ELECTRICIAN	1	N.D.	"		"	N.D.
"	ENTIRE PLANT	EDOC MAINTENANCE	3	N.D.	"		"	N.D.
"	ENTIRE PLANT	SUPERVISORS	3	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area x average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical

IHG
or
TLV
Units

PPM (VOL) Date 11-14-78

Per.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	N.D.	PERSONNEL		8 HRS	N.D.
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	N.D.	"		"	N.D.
"	OPERATOR-ENTIRE PLANT AREA	O.T. ON SHIFT	2	N.D.	"		"	N.D.
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	N.D.	"		"	N.D.
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor: ppm (Volume)
 Cust (not Asbestos) or Mist: mg/Cubic Meter
 Asbestos: No. of Fibers 5 micron cc of Air Sampled
 Noise: Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical

(PCL)
PLANT HAZARD -
FUMES

IHG
or
TLV
Units PPM (VOL)

Date

11-14-78

No.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4:th	LAB. WARE HOUSE, PLANT OFFICE	MATL. / LOADING CO-ORDINATOR	1	N.D.	PERSONNEL		8 HRS.	N.D.
"	ENTIRE PLANT AND C.L. RACK	LOADING S.O.T.	1	N.D.	"		"	N.D.
"	CENTRAL L. RACK, LAB. OFFICE	BLOCK 6 - LOADING OTT / OT	2	N.D.	"		"	N.D.
"	ENTIRE PLANT	ELECTRICIAN	1	N.D.	"		"	N.D.
"	ENTIRE PLANT	EDOC MAINTENANCE	3	N.D.	"		"	N.D.
"	ENTIRE PLANT	SUPERVISORS	3	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and

Block No.

GLYCOL I - BLOCK 15

Chemical

EFFLUENT

IHG

or

TLV

Units

PPM (Vol.)

Date

11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	70 CONTROL ROOM BOARD OPERATOR	70 O.S.	2	N.D.	PERSONNEL		8 HRS	N.D.
"	71 CONTROL ROOM BOARD OPERATOR	71 O.S.	2	N.D.	"		"	N.D.
"	OPERATOR - ENTIRE PLANT AREA	O.T. ON SHIFT	2	N.D.	"		"	N.D.
"	BOARD OPERATOR AND PLANT AREA	71 S.O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA, SAMPLING & ANALYSIS	LAB. O.T.	2	N.D.	"		"	N.D.
"	LAB AND PLANT AREA	SR. ASST. CHEMIST	2	N.D.	"		"	N.D.
"	MAIN OFFICE BUILDING	OFFICE TECHNICIAN	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	PIPEFITTER/WELDER	2	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	LABORER	1	N.D.	"		"	N.D.
"	ENTIRE PLANT AREA	INST. TECH.	2	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Cust (not Asbestos) or Mist:

mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area x average exposure for each area}}{\text{Total duration of samples}}$

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EMPLOYEE EXPOSURE SUMMARY

FOR YEAR 1978

Plant and
Block No.

GLYCOL I - BLOCK 15

Chemical

DIOL

IHG

or

TLV

Units PPM (VOL)

Date

11-14-78

Qtr.	Job or Area Description	Job Classification	No. of Samples	Average of Samples Taken	Type Sample		Sampling Duration Hours, Minutes	Highest Exposure Measured
					Personnel Excursion	Grab Area		
4 th	LAB, WAREHOUSE, PLANT OFFICE	MATERIAL LOADING (CONCRETE)	1	N.D.	PERSONNEL		8 HRS.	N.D.
"	ENTIRE PLANT AND C.I. RACK	LOADING S.O.T.	1	N.D.	"		"	N.D.
"	CENTRAL L. RACK, LAB. OFFICE	BLOCK 15 - LOADING OUT / OFF	2	N.D.	"		"	N.D.
"	ENTIRE PLANT	ELECTRICIAN EDOL	1	N.D.	"		"	N.D.
"	ENTIRE PLANT	MAINTENANCE	3	N.D.	"		"	N.D.
"	ENTIRE PLANT	SUPERVISORS	3	N.D.	"		"	N.D.

Units of Measure: Gas or Vapor:

ppm (Volume)

Dust (not Asbestos) or Mist: mg/Cubic Meter

Asbestos:

No. of Fibers 5 micron cc of Air Sampled

Noise:

Percent of Allowable Exposure

Time-Weighted Average (TWA): $\frac{\text{The sum of hours in each area} \times \text{average exposure for each area}}{\text{Total duration of samples}}$

Copy to Industrial Hygiene Department, 2501 Building

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