



RPED #6

190

Interoffice Communication

*Exposure Level**2 pp.*

To Distribution Below

From D.A. Kuhn

Date March 10, 1975

Subject Detectable Odor Levels of Common Chemicals

Here is a list of chemicals including some of our feedstocks but also common laboratory re-agents with their threshold of smell. For comparison, I have included their threshold limit value which is the maximum concentration to which the worker can be exposed during an eight hour day. I hope these values will be helpful as you try to reduce worker exposure to chemicals in your plants.

Please understand that these odor values are guides only. They are selected from the "best values" available in the literature, however, odor is a subjective thing and different people will sense different levels. If you are around a chemical a lot, the threshold of smell may become much higher.

David A. Kuhn

jb
Attachment

Distribution:

H. Bitera
J. Cearley
E. Gremillion
A. Goldfarb
J. Hall
D. Jensen
G. Kerr

C. Lunn
D. Michels
J. Patterson
S. Pitts
C. Puschell
A. Russell
F. Willson

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<u>CHEMICAL</u>	<u>THRESHOLD OF SMELL</u>		<u>THRESHOLD LIMIT VALUE</u>	
Acetone	100	ppm	1000	ppm
Ammonia	5	ppm	50	ppm
Aniline	0.5	ppm	5	ppm
Benzene	<100	ppm	10	ppm
Bromine	<0.01	ppm	0.1	ppm
Carbon disulfide	1-2	ppm	20	ppm
Carbon tetrachloride	70	ppm	10	ppm
Chlorine	0.02-0.05	ppm	1	ppm
Chloroform	200	ppm	50	ppm
Ethanol	350	ppm	1000	ppm
Ethylene oxide	700	ppm	50	ppm
Hydrogen sulfide	0.1	ppm	10	ppm
Isopropyl alcohol	200	ppm	400	ppm
Methanol	2000	ppm	200	ppm
Methylethyl ketone	<25	ppm	200	ppm
Styrene	25	ppm	100	ppm
Ozone	0.015	ppm	0.1	ppm
Perchloroethylene	50	ppm	100	ppm
Phenol	0.5	ppm	5	ppm
Phosgene	0.5	ppm	0.1	ppm
n-Propyl alcohol	100	ppm	200	ppm
Sulfur dioxide	3-4	ppm	5	ppm
Toluene	50	ppm	200	ppm
Trichloroethylene	50-100	ppm	100	ppm
1,1,1-Trichloroethane	<100	ppm	350	ppm
o-Xylene	4	ppm	100	ppm

3/10/75

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