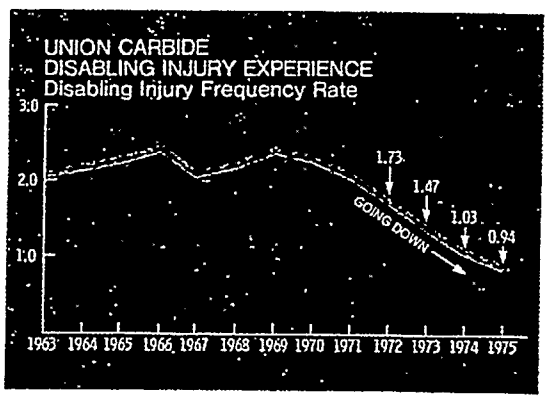
PLAINTIFF'S EXHIBIT
UC-5001

Beyond Safety Regulations

BY ROBERT W. WESSON

THOUGH many company records, including Union Carbide's, show that employees are safer at work than at home, as long as lives and limbs are being lost in the plant, industry cannot rest on its excellent safety records or regulations.

At Union Carbide, improving safety is a goal that everyone is constantly striving to achieve.



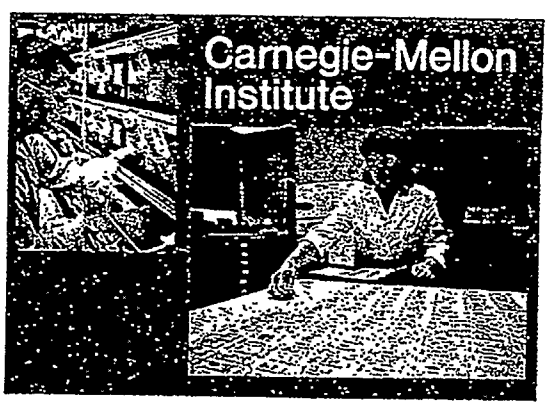
It is a way of life that begins with upper management. In addition to a corporate safety department and its committees, each division or operating unit of the Corporation has a safety and health organization devoted to its own particular needs. The Chemicals & Plastics people organized a group known as SHARE, which falls under the direction of a vice-president. The name is derived from safety, health and affairs related to the environment. SHARE further ensures that Union Carbide's Chemicals & Plastics operations meet all aspects of the Federal Occupational Safety and Health Act.

Union Carbide is extremely cautious with newly developed chemicals and resins. Before manufacture or use in plants, new substances are rated for their toxicological properties. Much of this work is done at the Carnegie-Mellon Institute of Research in Pittsburgh, Penna.

Union Carbide has long benefited from the services of this toxicology research laboratory. It was nearly 40 years ago that Union Carbide established its Chemical Hygiene Fellowship at the Mellon Institute. This was a full year before the enactment of the Food, Drug and Cosmetic Act, which required testing of food additives and other products that might be harmful.

4,000 Compounds Tested

During the ensuing four decades, the Fellowship has grown from a two-man operation to a staff of over 35. To date, over 4,000 compounds have been assayed to delineate



their toxicological properties. Each chemical is examined to answer the following:

Under what conditions can the compound be manufactured without injury to plant personnel? Can it be shipped without special han-

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dling procedures? If not, what procedure must be employed? And, *under what conditions can it be used safely by the public?*

Safety programs for the industry at large are, of course, as vital as the Corporation's internal programs. For example, results of the work done at Carnegie-Mellon by the Chemical Hygiene Fellowship are made available to the scientific community through publication and sharing of information. Product literature routinely includes precautionary labeling information, toxicological properties, FDA and EPA status where applicable, and special handling procedures when necessary.

Development of MSD Sheets

Another advance of which Union Carbide is proud is the development of its Material Safety Data (MSD) Program — perhaps the largest single endeavor undertaken to provide our customers and our customers' customers with pertinent safety data.

In 1970, the Department of Labor mandated that MSD sheets be issued on all hazardous products sold to the ship repairing, shipbuilding and shipbreaking industries (the so-called 3-S industries). These sheets were to be retained at the job site by those using the products. While safety data have always been published on Union Carbide's products, these new requirements were more detailed and were specific to these three industries.

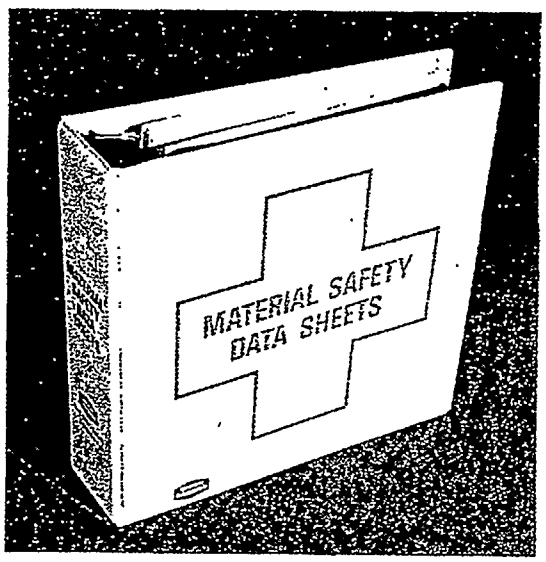
Beyond Government Programs

The first Department of Labor MSD regulation came out on July 1, 1970. Union Carbide meanwhile had outdistanced the government program both in time and in scope. By that time, the company had already devised its own modified MSD sheets — actually more comprehensive than required — which the Department of Labor approved on June 20, 1970. Union Carbide's first MSD sheet was issued a few months later. Since that time, over 600 sheets have been issued covering an enormous variety of products going into many different industries. Eventually, an MSD sheet will be issued on every product produced — even on those not officially considered hazardous. This program is much too valuable to limit its use to the legal requirements of the mandate.

When a request is made for a new MSD sheet by customers, distributors or internally, a team of experts, from chemists to lawyers, collaborates on developing a sheet that is as clear and helpful as possible. These sheets are so carefully done — so comprehensive and clear — that many other companies, and even OSHA, use them as models.

To gather the physical data, Union Carbide's labs do extensive testing in areas such as hazardous ingredients, fire and explosion, health, reactivity, spill or leak procedures, special protection and special precautions. As a result, much more is included in the data sheets than is required by current OSHA regulations. On each data sheet a list of phone numbers is included so that Union Carbide safety experts can provide assistance at any time, day or night.

Not only is a major effort made to prepare the sheets, but also to have them widely distrib-



uted and used. Customers are encouraged, via direct contact, newsletters, seminars, etc., to ask for the sheets. They can be obtained either through Union Carbide's sales force or distributors. Special binders are provided for convenient filing and efficient retrieval of information.

A comprehensive index, which lists all sheets issued to date, is also provided for ready reference. Holders of MSD binders automatically receive an updated index as soon as it is issued. And, of course, all MSD sheets are systematically reviewed for updating and/or revisions.

The MSD Program is only one of many recent efforts to make industry safer. Union Carbide is dedicated to the continued upgrading of all safety programs. Our lives depend on it.

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MANUFACTURE, APPLICATION, TECHNOLOGY, RESEARCH AND MARKETING
DECEMBER 1976

ire Limits mg./M³ [b]	Substance	Exposure Limits p.p.m.[a]	mg./M³ [b]
—	Uranium (soluble compounds)	—	0.05
5	Uranium (insoluble compounds)	—	0.25
15	C Vanadium:		
0.4	V_2O_5 dust	—	0.5
1.5	V_2O_3 fume	—	0.1
	Vinyl benzene, see Styrene	—	—
0.1	Vinylcyanide, see Acrylonitrile	—	—
0.001	Vinyl toluene	100	480
10	Warfarin	—	0.1
5	Xylene (xylol)	100	435
0.2	Xylidine — Skin	5	25
0.4	Yttrium	—	1
	Zinc chloride fume	—	1
0.01	Zinc oxide fume	—	5
	Zirconium compounds (as Zr)	—	5
0.05			
2			
0.5			
2,950			
0.15			
13			
6,000			
1			
6			
0.25			
20			
—			
10			
5			
0.2			
0.1			
0.2			
0.05			
9			
4,170			
4,170			
35			
—			
—			
2			
0.075			
590			
0.07			
3			
8			
1.5			
0.1			
5			
2			
0.1			
0.14			
22			
—			
5			
—			
45			

[a]Parts of vapor or gas per million parts of contaminated air by volume at 25°C. and 760 mm. Hg pressure.

[b]Approximate milligrams of particulate per cubic meter of air.

(No footnote "c" is used to avoid confusion with the "C" that precedes some materials to indicate ceiling value notations.)

[d]An atmospheric concentration of not more than 0.02 p.p.m., or personal protection may be necessary to avoid headache.

[e]As sampled by method that does not collect vapor.

[f]For control of general room air, biologic monitoring is essential for personnel control.

Other Materials

Individual standards have been issued for the following; consult referenced sections for details:

Material	Reference
Asbestos.	1910.1001
Coal tar pitch volatiles; interpretation of term.	1910.1002
4-Nitrobiphenyl.	1910.1003
alpha-Naphthylamine.	1910.1004
Methyl chloromethyl ether	1910.1006
3,3'-Dichlorobenzine (and its salts)	1910.1007
bis-Chloromethyl ether.	1910.1008
beta-Naphthylamine.	1910.1009
Benzidine.	1910.1010
4-Aminodiphenyl.	1910.1011
Ethyleneimine.	1910.1012
beta-Propiolactone.	1910.1013
2-Acetylaminofluorene.	1910.1014
4-Dimethylaminoazobenzine.	1910.1015
N-Nitrosodimethylamine.	1910.1016
Vinyl chloride.	1910.1017

Mineral Dusts

Substance	Mppcf[e]	Mg/M³
Silica:		
Crystalline:		
Quartz (respirable)	250[f] / % SiO_2 + 5	10mg/M³[g] / % SiO_2 + 2
Quartz (total dust)	—	30mg/M³ / % SiO_2 + 2
Cristobalite: Use ½ the value calculated from the count or mass formulae for quartz.		
Tridymite: Use ½ the value calculated from the formulae for quartz.		
Amorphous, including natural diatomaceous earth	20	80mg/M³ / % SiO_2
Silicates (less than 1% crystalline silica):		
Mica	20	
Soapstone	20	
Talc (non-asbestos-form)	20[h]	
Talc (fibrous). Use asbestos limit		
Tremolite (see talc, fibrous)		
Portland cement	50	
Graphite (natural)	15	
Coal dust (respirable fraction less than 5% SiO_2)	—	2.4mg/M³ or 10 mg/M³ / % SiO_2 + 2
For more than 5% SiO_2	—	
Inert or Nuisance Dust:		
Respirable fraction	15	5mg/M³
Total dust	50	15mg/M³

Note: Conversion factors — mppcf × 35.3 = million particles per cubic meter = particles per c.c.

[g]Millions of particles per cubic foot of air, based on impinger samples counted by light-field technics.

[f]The percentage of crystalline silica in the formula is the amount determined from air-borne samples, except in those instances in which other methods have been shown to be applicable.

[h]Both concentration and percent quartz for the application of this limit are to be determined from the fraction passing a size-selector with the following characteristics:

[i]Containing <1% quartz; if >1% quartz, use quartz limit.

8 Hour Time Weighted Averages and Acceptable Ceiling Concentrations

Acceptable maximum peak above

KMBE
664

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OSHA Compliance Checklist

Substance	Exposure Limits p.p.m.[a]	mg./M³ [b]
ride, see 1,1-		
ne	—	—
line — Skin	20	94
	—	15
dust	—	1
l	—	2.5
	0.1	0.2
methane	1,000	5,600
	5	9
in	5	20
ol	50	200
Epoxy-1-propanol)	50	150
yl ether, see		
anol	—	—
e Azinphosmethyl	—	—
	—	0.5
Skin	—	0.5
ptane)	500	2,000
ane — Skin	1	10
phthalene — Skin	—	0.2
kane)	500	1,800
	100	410
yl isobutyl ketone)	100	410
tate	50	300
Skin	1	1.3
nide	3	10
hloride	5	7
ide — Skin	10	11
xide (90%)	1	1.4
nide	0.05	0.2
	—	2
	0.1	1
ne	—	10
te	100	525
ol	100	360
ate	150	700
ol	100	300
	25	140
late	250	950
hol	400	980
e	5	12
	500	2,100
idyl ether (IGE)	50	240
	0.5	0.9
e	—	0.15
din	—	0.5
de	—	0.025
d petroleum		
	1,000	1,800
cide fume	—	15
Skin	—	15
ride	0.25	1
	—	5
	25	100
see Methyl		
	—	—
	—	15
anol, see Methyl		
	—	—
e	200	610
ene (propyne)	1,000	1,650
ene-propadiene		
APP)	1,000	1,800
te — Skin	10	35
ethoxymethane)	1,000	3,100
ol (methanol)	200	260
	10	12
lcohol, see		

Substance	Exposure Limits p.p.m.[a]	mg./M³ [b]
Methyl isobutyl carbinol — Skin	25	100
Methyl isobutyl ketone, see Hexone	—	—
Methyl isocyanate — Skin	0.02	0.05
C Methyl mercaptan	10	20
Methyl methacrylate	100	410
Methyl propyl ketone, see 2-Pentanone	—	—
Cα Methyl styrene	100	480
C Methylene bisphenyl isocyanate (MDI)	0.02	0.2
Molybdenum:		
Soluble compounds	—	5
Insoluble compounds	—	15
Monomethyl aniline — Skin	2	9
C Monomethyl hydrazine — Skin	0.2	0.35
Morpholine — Skin	20	70
Naphtha (coal tar)	100	400
Naphthalene	10	50
Nickel carbonyl	0.001	0.007
Nickel, metal and soluble cmpds, as Ni	—	1
Nicotine — Skin	—	0.5
Nitric acid	2	5
Nitric oxide	25	30
p-Nitroaniline — Skin	1	6
Nitrobenzene — Skin	1	5
p-Nitrochlorobenzene — Skin	—	1
Nitroethane	100	310
Nitrogen dioxide	5	9
Nitrogen trifluoride	10	29
Nitroglycerin — Skin	0.2	2
Nitromethane	100	250
1-Nitropropane	25	90
2-Nitropropane	25	90
Nitrotoluene — Skin	5	30
Nitrotrichloromethane, see Chloropicrin	—	—
Octachloronaphthalene — Skin	—	0.1
Octane	500	2,350
Oil mist, mineral	—	5
Osmium tetroxide	—	0.002
Oxalic acid	—	1
Oxygen difluoride	0.05	0.1
Ozone	0.1	0.2
Paraquat — Skin	—	0.5
Parathion — Skin	—	0.11
Pentaborane	0.005	0.01
Pentachloronaphthalene — Skin	—	0.5
Pentachlorophenol — Skin	—	0.5
Pentane	1,000	2,950
2-Pentanone	200	700
Perchloromethyl mercaptan	0.1	0.8
Perchloryl fluoride	3	13.5
Petroleum distillates (naphtha)	500	2,000
Phenol — Skin	5	19
p-Phenylene diamine — Skin	—	0.1
Phenyl ether (vapor)	1	7
Phenyl ether-biphenyl mixture (vapor)	1	7
Phenylethylene, see Styrene	—	—
Phenyl glycidyl ether (PGE)	10	60
Phenylhydrazine — Skin	5	22
Phosdrin (Mevinphos[k]) — Skin	—	0.1
Phosgene (carbonyl chloride)	0.1	0.4
Phosphine	0.3	0.4
Phosphoric acid	—	1
Phosphorus (yellow)	—	0.1

Substance	Expo p.p.m
Propyne, see Methylacetylene	—
Pyrethrum	—
Pyridine	5
Quinone	0.1
RDX — Skin	—
Rhodium, Metal fume and dusts, as Rh	—
Soluble salts	—
Ronnel	—
Rotenone (commercial)	—
Selenium compounds (as Se)	—
Selenium hexafluoride	0.05
Silver, metal and soluble compounds	—
Sodium fluoroacetate (1080) — Skin	—
Sodium hydroxide	—
Stibine	0.1
Stoddard solvent	500
Strychnine	—
Sulfur dioxide	5
Sulfur hexafluoride	1,000
Sulfuric acid	—
Sulfur monochloride	1
Sulfur pentafluoride	0.0
Sulfuryl fluoride	5
Systox, see Demeton[k]	—
2,4,5T	—
Tantalum	—
TEDP — Skin	—
Tellurium	—
Tellurium hexafluoride	0.0
TEPP — Skin	—
C Terphenyls	1
1,1,1,2-Tetrachloro-2,2-difluoro-ethane	500
1,1,2,2-Tetrachloro-1,2-difluoro-ethane	500
1,1,2,2-Tetrachloroethane — Skin	5
Tetrachloroethylene, see Perchloroethylene	—
Tetrachloromethane, see Carbon tetrachloride	—
Tetrachloronaphthalene — Skin	—
Tetraethyl lead (as Pb) — Skin	—
Tetrahydrofuran	200
Tetramethyl lead (as Pb) — Skin	—
Tetramethyl succinonitrile — Skin	0.5
Tetranitromethane	1
Tetryl (2,4,6-trinitrophenyl-methylnitramine) — Skin	—
Thallium (soluble compounds) — Skin as Tl	—
Thiram	—
Tin (inorganic cmpds, except oxides)	—
Tin (organic cmpds)	—
C Toluene-2,4-diisocyanate	0.0
o-Toluidine — Skin	5
Toxaphene, see Chlorinated camphene	—
Tributyl phosphate	—
1,1,1-Trichloroethane, see Methyl chloroform	
1,1,2-Trichloroethane — Skin	10

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DECEMBER 1976

AIR CONTAMINANTS

Reference: 1910.1000, OSHA General Industry Standards.

Items that apply most directly to the adhesives industry appear in red.

Substance	Exposure Limits p.p.m.[a]	mg./M³[b]
Acetaldehyde	200	360
Acetic acid	10	25
Acetic anhydride	5	20
Acetone	1,000	2,400
Acetonitrile	40	70
Acetylene dichloride, see 1, 2-Dichloroethylene	—	—
Acetylene tetrabromide	1	14
Acrolein	0.1	0.25
Acrylamide — Skin	—	0.3
Acrylonitrile — Skin	20	45
Aldrin — Skin	—	0.25
Allyl alcohol — Skin	2	5
Allyl chloride	1	3
C Allyl glycidyl ether (AGE)	10	45
Allyl propyl disulfide	2	12
2-Aminoethanol, see Ethanolamine	—	—
2-Aminopyridine	0.5	2
Ammonia	50	35
Ammonium sulfamate (Ammate)	—	15
n-Amyl acetate	100	525
sec-Amyl acetate	125	650
Aniline — Skin	5	19
Anisidine (o, p-isomers) — Skin	—	0.5
Antimony and compounds (as Sb)	—	0.5
ANTU (alpha naphthyl thiourea)	—	0.3
Arsenic and compounds (as As)	—	0.5
Arsine	0.05	0.2
Azinphos-methyl — Skin	—	0.2
Barium (soluble compounds)	—	0.5
p-Benzoquinone, See Quinone	—	—
Benzoyl peroxide	—	5
Benzyl chloride	1	5
Biphenyl, see Diphenyl	—	—
Bisphenol A, see Diglycidyl ether	—	—
Boron oxide	—	15
C Boron trifluoride	1	3
Bromine	0.1	0.7
Bromoform — Skin	0.5	5
Butadiene (1,3-butadiene)	1,000	2,200
Butanethiol, see Butyl mercaptan	—	—
2-Butanone	200	590
2-Butoxy ethanol (Butyl Cellosolve) — Skin	50	240
Butyl acetate (n-butyl acetate)	150	710
sec-Butyl acetate	200	950
tert-Butyl acetate	200	950
Butyl alcohol	100	300
sec-Butyl alcohol	150	450
tert-Butyl alcohol	100	300
C Butylamine — Skin	5	15
C tert-Butyl chromate (as CrO_3) — Skin	—	0.1
n-Butyl glycidyl ether (BGE)	50	270
Butyl mercaptan	10	35
p-tert-Butyltoluene	10	60
Calcium arsenate	—	1
Calcium oxide	—	5
Crotonaldehyde	2	6
Cumene — Skin	50	245
Cyanide (as CN) — Skin	—	5
Cyclohexane	300	1,050
Cyclohexanol	50	200
Cyclohexanone	50	200
Cyclohexene	300	1,015
Cyclopentadiene	75	200
2, 4-D	—	10
DDT — Skin	—	1
DDVP, see Dichlorvos	—	—
Decaborane — Skin	0.05	0.3
Demeton[x] — Skin	—	0.1
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	50	240
1,2-diaminoethane, see Ethylenediamine	—	—
Diazomethane	0.2	0.4
Diborane	0.1	0.1
Dibutylphthalate	—	5
C o-Dichlorobenzene	50	300
p-Dichlorobenzene	75	450
Dichlorodifluoromethane	1,000	4,950
1,3-Dichloro-5, 5-dimethyl hydantoin	—	0.2
1,1-Dichloroethane	100	400
1,2-Dichloroethylene	200	790
C Dichloroethyl ether — Skin	15	90
Dichloromethane, see Methylenechloride	—	—
Dichloromonofluoromethane	1,000	4,200
C-1,1-Dichloro-1-nitroethane	10	60
1,2-Dichloropropane, see Propylenedichloride	—	—
Dichlorotetrafluoroethane	1,000	7,000
Dichlorvos (DDVP) — Skin	—	1
Dieldrin — Skin	—	0.25
Diethylamine	25	75
Diethylamino ethanol — Skin	10	50
Diethylether, see Ethyl ether	—	—
Difluorodibromomethane	100	860
C Diglycidyl ether (DGE)	0.5	2.8
Dihydroxybenzene, see Hydroquinone	—	—
Diisobutyl ketone	50	290
Diisopropylamine — Skin	5	20
Dimethoxymethane, see Methylal	—	—
Dimethyl acetamide — Skin	10	35
Dimethylamine	10	18
Dimethylaminobenzene, see Xylidene	—	—
Dimethylaniline(N-dimethyl-aniline) — Skin	5	25
Dimethylbenzene, see Xylene	—	—
Dimethyl 1,2-dibromo-2,2-dichloroethyl phosphate, (Dibrom)	—	3
Dimethylformamide — Skin	10	30
2,6-Dimethylheptanone, see Diisobutyl ketone	—	—
1,1-Dimethylhydrazine — Skin	0.5	1
Dimethylphthalate	—	5
Dimethylsulfate — Skin	1	5
Dinitrobenzene (all isomers) — Skin	—	1
Dinitro-o-cresol — Skin	—	0.2
Dinitrotoluene — Skin	—	1.5
Dioxane (Diethylene dioxide) —		

Substance

Ethylidine ch
Dichloroet
N-Ethylmorp
Ferbam
Ferrovanadi
Fluoride (as
Fluorine
Fluorotrichlc
Formic acid
Furfural —
Furfuryl alc
Glycidol (2,
Glycol mono
2-Ethoxye
Guthion[x],
Hafnium
Heptachlor
Heptane (n-
Hexachloroe
Hexachloror
Hexane (n-
2-Hexanone
Hexone (Me
sec-Hexyl a
Hydrazine –
Hydrogen b
C Hydrogen
Hydrogen cy
Hydrogen pe
Hydrogen si
Hydroquinor
C Iodine
Iron oxide
Isoamyl ace
Isoamyl alc
Isobutyl ac
Isobutyl alc
Isophorone
Isopropyl a
Isopropyl al
Isopropylam
Isopropyleth
Isopropyl gl
Ketene
Lead arsen
Lindane —
Lithium hyc
L.P.G. (liqui
gas
Magnesium
Malathion -
Maleic anh
C Mangane
Mesityl oxi
Methanethic
mercapta
Methoxychl
2-Methoxye
Cellosolv
Methyl ace
Methyl acet
Methyl acet
mixture
Methyl acry
Methylal (di
Methyl alcc
Methylamin
Methyl bro
Methyl iso

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Material	8-hour time weighted average	Acceptable ceiling concentration	Concentration	Maximum duration
Benzene (Z37.4-1969)	10 p.p.m	25 p.p.m	50 p.p.m	10 minutes.
Beryllium and beryllium compounds (Z37.29-1970).	2 μg./M³	5 μg./M³	25 μg./M³	30 minutes.
Cadmium fume (Z37.5-1970)	0.1 mg./M³	3 mg./M³	—	
Cadmium dust (Z37.5-1970)	0.2 mg./M³	0.6 mg./M³	—	
Carbon disulfide (Z37.3-1968)	20 p.p.m	30 p.p.m	100 p.p.m	Do.
Carbon tetrachloride (Z37.17-1967)	10 p.p.m	25 p.p.m	200 p.p.m	5 minutes in any 4 hours.
Chromic acid and chromates (Z37.7-1971)	—	do	—	
Ethylene dibromide (Z37.31-1970)	20 p.p.m	30 p.p.m	50 p.p.m	5 minutes.
Ethylene dichloride (Z37.21-1969)	50 p.p.m	100 p.p.m	200 p.p.m	5 minutes in any 3 hours.
Fluoride as dust (Z37.28-1969)	2.5 mg./M³	—	—	
Formaldehyde (Z37.16-1967)	3 p.p.m	5 p.p.m	10 p.p.m	30 minutes.
Hydrogen fluoride (Z37.28-1969)	do	—	—	
Hydrogen sulfide (Z37.2-1966)	—	20 p.p.m	50 p.p.m	10 minutes once only if no other measurable exposure occurs.
Lead and its inorganic compounds (Z37.11-1969).	0.2 mg./M³	—	—	
Mercury (Z37.8-1971)	—	1 mg./10M³	—	
Methyl chloride (Z37.18-1969)	100 p.p.m	200 p.p.m	300 p.p.m	5 minutes in any 3 hours.
Methylene chloride (Z37.3-1969)	500 p.p.m	1,000 p.p.m	2,000 p.p.m	5 minutes in any 2 hours.
Organo (alkyl) mercury (Z37.30-1969)	0.01 mg./M³	0.04 mg./M³	—	
Styrene (Z37.15-1969)	100 p.p.m	200 p.p.m	600 p.p.m	5 minutes in any 3 hours.
Tetrachloroethylene (Z37.22-1967)	do	do	do	5 minutes in any 3 hours.
Toluene (Z37.12-1967)	200 p.p.m	300 p.p.m	500 p.p.m	10 minutes.
Trichloroethylene (Z37.19-1967)	do	do	300 p.p.m	5 minutes in any 2 hours.

300
7,600
100
6,100
—
—
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E PROTECTION

ed	Reference
re Extinguishers	1910.157
and Hose Systems	1910.158
Sprinkler Systems	1910.159
Chemical shing Systems	1910.160
oxide Extinguishing	1910.161
Alarm Signaling	1910.163

ENVIRONMENTAL

ELECTRICAL REQUIREMENTS

Reference: 1910.309

(a) The requirements contained in the following articles and sections of the National Electrical Code, NFPA No. 70-1971; ANSI C1-1971 (Rev. of C1-1968) shall apply to all electrical installations and utilization equipment:

Articles:
- 500 Hazardous Locations.
- 501 Class I Installations (Hazardous Locations).
- 502 Class II Installations (Hazardous Locations).
- 503 Class III Installations (Hazardous Locations).

Sections:
- 250-58 (a)-(b). Equipment on Structural Metal.
- 250-59 (a), (b), and (c). Portable and/or Cord Connected and Plug Connected Equipment, Grounding Method.
- 400-3 (a)-(b). Flexible Cords and Cable, Uses.
- 400-4 Flexible Cords and Cable Prohibited.
- 400-5 Flexible Cords and Cables, Splices.
- 400-9 Overcurrent Protection and Ampacities of Flexible Cords.
- 410-10 Pull at Joints and Terminals of Flexible Cords and Cables.
- 422-8 Installation, Appliances w/Flexible Cords.
- 422-9 Installation, Portable Immersion Heaters.
- 422-10 Installation, Appliances Adjacent to Combustible Material.
- 422-11 Stands for Portable Appliances.
- 422-12 Signals for Heated Appliances.

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ətone, see 2-	—	—
olve — Skin	25	80
olve acetate	25	120
form	350	1,900
xane	500	2,000
xanol	100	470
ıexanone — Skin	100	460
ətone (MEK),	—	—
one	100	250
— Skin	5	28

Picric acid — Skin	—	0.1
Pival* (2-Pivalyl-1,3-indandione)	—	0.1
Platinum (Soluble Salts) as Pt	—	0.002
Propargyl alcohol — Skin	1	—
Propane	1,000	1,800
n-Propyl acetate	200	840
Propyl alcohol	200	500
n-Propyl nitrate	25	110
Propylene dichloride	75	350
Propylene imine — Skin	2	5
Propylene oxide	100	240

1,2,3-Trichloropropane	50
1,1,2-Trichloro 1,2,2-trifluoroethane	1,000
Triethylamine	25
Trifluoromonobromomethane	1,000
2,4,6-Trinitrophenol, see Picric acid	—
2,4,6-Trinitrophenylmethylnitramine, see Tetryl	—
Trinitrotoluene — Skin	—
Triorthocresyl phosphate	—
Triphenyl phosphate	—
Turpentine	100

How To Use This Checklist

ɜ various sections within this chart represent as designated under the Occupational Safety l Health Act as crucial to the safe operation of ır plant. To see how your plant measures up to HA standards, evaluate conditions in each of areas that appear on this checklist. The reences indicate the sections of the Act that ɔly. This checklist does not represent the comte scope of the Act. For specific situations not covered here, a thorough study of the compl OSHA Standards is recommended. An ongoi subscription to the OSHA General Industry St dards and Interpretations and all changes as th are enacted can be obtained for $21.00 from t Occupational Safety and Health Subscription Se vice, care of the Superintendent of Documen U.S. Government Printing Office, Washingt D.C. 20402.

;TIVE

Reference

1910.133

1910.134

1910.135

on 1910.136

ɜs 1910.137

SS

Reference

HAZARDOUS MATERIALS

Material	Reference
☐ Compressed Gas	1910.101
☐ Acetylene	1910.102
☐ Hydrogen	1910.103
☐ Oxygen	1910.104
☐ Nitrous Oxide	1910.105
☐ Flammable and Combustible Liquids	1910.106
☐ Spray Finishing Using Flammable and Combustible Liquids	1910.107
☐ Dip Tanks Containing Flammable or Combustible Liquids	1910.108
☐ Explosives and Blasting	

FI

To Be Chec

☐ Portable

☐ Standpip

☐ Automati

☐ Fixed Dry Extingu

☐ Carbon D System

☐ Local Fire System

GENER

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Carbon monoxide	50	55
Chlordane — Skin	—	0.5
Chlorinated camphene — Skin	—	0.5
Chlorinated diphenyl oxide	—	0.5
Chlorine	1	3
Chlorine dioxide	0.1	0.3
C Chlorine trifluoride	0.1	0.4
C Chloroacetaldehyde	1	3
α-Chloroacetophenone (phenacylchloride)	0.05	0.3
Chlorobenzene (monochlorobenzene)	75	350
o-Chlorobenzylidene malononitrile (OCBM)	0.05	0.4
Chlorobromomethane	200	1,050
2-Chloro-1,3-butadiene, see Chloroprene	—	—
Chlorodiphenyl (42 percent Chlorine) — Skin	—	1
Chlorodiphenyl (54 percent Chlorine) — Skin	—	0.5
1-Chloro,2,3-epoxypropane, see Epichlorhydrin	—	—
2-Chloroethanol, see Ethylene chlorohydrin	—	—
Chloroethylene, see Vinyl chloride	—	—
C Chloroform (trichloromethane)	50	240
1-Chloro-1-nitropropane	20	100
Chloropicrin	0.1	0.7
Chloroprene (2-chloro-1,3-butadiene) — Skin	25	90
Chromium, sol. chromic, chromous salts as Cr	—	0.5
Metal and insol. salts	—	1
Coal tar pitch volatiles (benzene soluble fraction) anthracene, BaP, phenanthrene, acridine, chrysene, pyrene	—	0.2
Cobalt, metal fume and dust	—	0.1
Copper fume	—	0.1
Dusts and Mists	—	1
Cotton dust (raw)	—	1
Crag® herbicide	—	15
Cresol (all isomers) — Skin	5	22

cyanate (MDI)	—	—
Dipropylene glycol methyl ether — Skin	100	600
Di-sec, octyl phthalate (Di-2-ethylhexylphthalate)	—	5
Endrin — Skin	—	0.1
Epichlorhydrin — Skin	5	19
EPN — Skin	—	0.5
1,2-Epoxypropane, see Propyleneoxide	—	—
2,3-Epoxy-1-propanol, see Glycidol	—	—
Ethanethiol, see Ethylmercaptan	—	—
Ethanolamine	3	6
2-Ethoxyethanol — Skin	200	740
2-Ethoxyethylacetate (Cellosolve acetate) — Skin	100	540
Ethyl acetate	400	1,400
Ethyl acrylate — Skin	25	100
Ethyl alcohol (ethanol)	1,000	1,900
Ethylamine	10	18
Ethyl sec-amyl ketone (5-methyl-3-heptanone)	25	130
Ethyl benzene	100	435
Ethyl bromide	200	890
Ethyl butyl ketone (3-Heptanone)	50	230
Ethyl chloride	1,000	2,600
Ethyl ether	400	1,200
Ethyl formate	100	300
C Ethyl mercaptan	10	25
Ethyl silicate	100	850
Ethylene chlorohydrin — Skin	5	16
Ethylenediamine	10	25
Ethylene dibromide, see 1,2-Dibromoethane	—	—
Ethylene dichloride, see 1,2-Dichloroethane	—	—
C Ethylene glycol dinitrate and/or Nitroglycerin — Skin	0.2	1
Ethylene glycol monomethyl ether acetate, see Methyl Cellosolve acetate	—	—
Ethylene imine — Skin	0.5	1
Ethylene oxide	50	90

Methyl buty
Hexanon
Methyl Ce
Methyl Ce
Skin
Methyl chl
Methylcycl
Methylcycl
o-Methylcy
Methyl eth
see 2-Bu
Methyl for
Methyl iodi

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WALKING — WORKING SURFACES

To Be Checked	Reference
Floor and Wall Openings and Holes	1910.23
Fixed Industrial Stairs	1910.24
Portable Wood Ladders	1910.25
Portable Metal Ladders	1910.26
Fixed Ladders	1910.27
Scaffolding	1910.28
Manually Propelled Mobile Ladder Stands and Scaffolds	1910.29
Other Working Surfaces	1910.30

PERSONAL PROT EQUIPMEN

To Be Checked

- Eye and Face Protection
- Respiratory Protection
- Occupational Head Protection
- Occupational Foot Prote
- Electrical Protective Dev

MEANS OF EGR

Exhibit 865

	Reference
	1910.141
arriage Disposal	1910.143
Physical Hazards	1910.144
evention Signs	1910.145

AL SERVICES AND FIRST AID

1

shall ensure the ready availability nel for advice and consultation on alth.

of an infirmary, clinic, or hospital in he workplace which is used for the jured employees, a person or per- quately trained to render first aid. pproved by the consulting physician ailable.

s or body of any person may be ious corrosive materials, suitable drenching or flushing of the eyes and ovided within the work area for ncy use.

110-17 (a)-(c).	Guarding Live Part.
110-18	Arcing Parts.
110-21	Marking.
110-22	Identification.
240-16 (a), (b), (c), and (d).	Location in Premises (for Overcurrent Protection Devices).
240-19 (a) and (b).	Guarding of Arcing or Suddenly Moving Parts of Overcurrent Protection Devices.
250-3 (a)-(b).	D.C. System Grounding.
250-5 (a)-(c).	A.C. Circuits & Systems To Be Grounded.
250-7	Circuits Not To Be Grounded.
250-42 (a)-(d).	Fixed Equipment Grounding, General.
250-43 (a)-(i).	Fixed Equipment Grounding, Specific.
250-44 (a)-(e).	Nonelectrical Equipment Grounding.
250-45 (a), (b), (c), and (d).	Equipment Connected by Cord and Plug, Grounding.
430-142 (a)-(d).	Stationary Motor, Grounding.
430-143	Portable Motors, Grounding.
250-50 (a)-(b).	Equipment Grounding Connections.
250-51	Effective Grounding.
250-57 (a)-(b).	Fixed Equipment Method of Grounding.
422-16	Appliance Grounding.
422-17	Installation of Wall-mounted Ovens and Counter-mounted Cooking Units.

(b) Every new electrical installation and all new utilization equipment installed after March 15, 1972, and every replacement, modification, or repair or rehabilitation, after March 15, 1972, of any part of any electrical installation or utilization equipment installed before March 15, 1972, shall be installed or made, and maintained, in accordance with the Provisions of the 1971 National Electrical Code, NFPA No. 70-1971; ANSI C1-1971 (Rev. of C1-1968).

(c) Notwithstanding the provisions of paragraphs (a) and (b) of this section, the effective date of the requirement in section 210-7 of the National Electrical Code, that all 15- and 20-ampere receptacle outlets on single-phase circuits for construction sites shall have approved ground-fault circuit protection for personnel, is postponed pending reconsideration of the requirement.

Louisville (Cincinnati, Ohio Sales Office) Enterprise-2226
Metropolitan Area Sales Office;
Hackensack, N.J. 07601..... One University Plaza 201-646-1111
Minneapolis (Chicago, Ill. Sales Office) 800-621-2510
Moorestown, N.J. 08057 ..... 308 Harper Drive 609-235-6200
New York (Metropolitan Area Sales Office; Hackensack, N.J.) 212-695-5054
Philadelphia (Moorestown, N.J. Sales Office) 215-923-3200
Pittsburgh (Moorestown, N.J. Sales Office) 412-922-5700
St. Louis (Chicago, Ill. Sales Office) 314-726-0324
San Francisco (Long Beach, Calif. Sales Office) 800-352-3789
From Arizona, Idaho, Montana, Nevada, Oregon, Utah, Washington, or Wyoming 800-421-3724
Southfield, Mich. 48037 ..... 26500 Northwestern Hway. 313-354-0800

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1910.37

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☐ Liquid Petroleum Gases 1910.110

☐ Anhydrous Ammonia 1910.111

OCCUPATIONAL NOISE EXPOSURE

Reference: 1910.95
Permissible Noise Exposures[1] (Table G-16)

Duration per day (hours)	Sound level dBA slow response
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

[1]When the daily noise exposure is composed of two or more periods of noise exposure of different levels, their combined effect should be considered, rather than the individual effect of each. If the sum of the following fractions: *C1/T1 + C2/T2 . . . Cn/Tn* exceeds unity, then, the mixed exposure should be considered to exceed the limit value. *Cn* indicates the total time of exposure at a specified noise level, and *Tn* indicates the total time of exposure permitted at that level.

Exposure to impulsive or impact noise should not exceed 140 dB peak sound pressure level.

To Be Check

☐ Sanitation

☐ Nonwater S Systems

☐ Marking of

☐ Accident P and Tags

MEDIC

Reference 1910.15

(a) The employer of medical perso matters of plant h (b) In the absence near proximity to treatment of all in sons shall be ade First aid supplies a shall be readily av (c) Where the ey exposed to injur facilities for quick body shall be p immediate emerg

U.S. Sales Offices

Atlanta, Ga. 30329	17 Executive Park Dr.	404-633-6161
Baltimore (Moorestown, N.J. Sales Office)		301-944-8211
Boston, Mass. 02194	300 First Ave., Needham Hgts.	617-444-5400
Charlotte (Atlanta, Ga. Sales Office)		704-364-1400
Chicago, Ill. 60606	120 South Riverside Plaza	312-454-2000
Cincinnati, Ohio 45227	West Street & Madisonville Road	513-272-0206
Cleveland, Ohio 44114	1300 Lakeside Ave.	216-621-4200
Dallas, Texas 75207	2710 Stemmons Freeway	214-631-0010
Detroit (Southfield, Mich. Sales Office)		313-354-0800
Houston (Dallas, Texas Sales Office)		214-631-0010
Indianapolis (Cincinnati, Ohio Sales Office)		Enterprise-2226
Kansas City (Chicago, Ill. Sales Office)		800-621-8236
Long Beach, Calif. 90802	100 Oceangate, 11 Fl.	213-435-3721

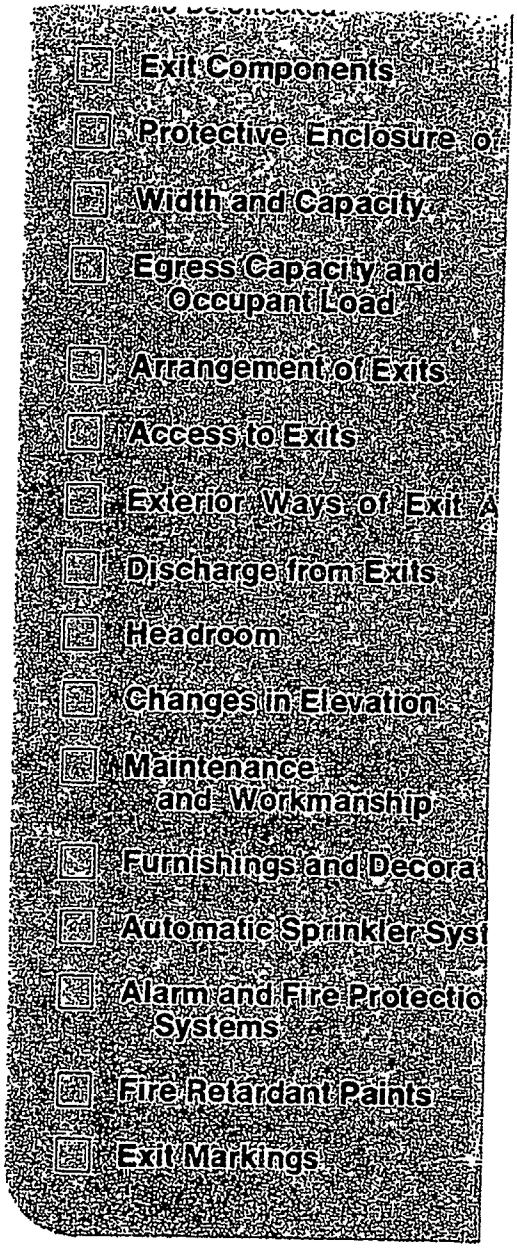
KmBB 665

MATERIALS HANDLING AND STORAGE

To Be Checked		Reference
☐	Handling Materials-General	1910.176
☐	Indoor General Storage	1910.177
☐	Powered Industrial Trucks	1910.178

MACHINERY AND MACHINE GUARDING

		Reference
	General Requirements	1910.212
	To Be Checked	
☐	Types of Guarding	1910.212
☐	Point of Operation Guarding	1910.212
☐	Barrels, Containers, Drums	1910.212
☐	Exposure of Blades	1910.212
☐	Anchoring of Fixed Machinery	1910.212



UNION CARBIDE

Adhesives and Sealants Materials

270 Park Avenue, New York, N.Y. 10017

PEOPLE PLANNING THE FUTURE.

KMBB 665.



B. J. Kotsher
Publisher
Adhesives Age



Mary C. McMurrer
Editor
Adhesives Age

THE Occupational Safety and Health Act has far-reaching implications for all who engage in the manufacture of goods or who provide commercial services. In the adhesives industry, which is but a single segment of all U.S. industrial activity, OSHA has received a great deal of attention and has been the subject of many hours of discussion and planning within individual companies and by industry organizations.

Nevertheless, the very scope of the Act has made its comprehension a formidable undertaking for harried management in the average adhesives manufacturing company. The everyday concerns of business operations, the many environmental regulations that demand compliance, and a host of hazardous material and consumer safety controls leave little of management's working time for concentration on so broad and all-inclusive a subject as the safety of workers in the manufacturing environment.

With these considerations in mind, the staff of ADHESIVES AGE has undertaken to provide adhesives management with a working checklist of what is required to achieve compliance with the Occupational Safety and Health Act. In compiling this checklist, we have reviewed the provisions of the Act and have culled out those that most directly apply to such installations as may be found in the adhesives industry. The checklist in this fold-out insert is intended to spotlight the most common areas of safety concern for adhesives plants; it is not intended to be a complete digest of the entire Act.

We strongly urge company management to obtain complete copies of the OSHA Standards, and to become familiar with them. Perhaps the best way is to secure a subscription to the OSHA Standards service provided by the U.S. Government Printing Office, Washington, D.C. 20402. At a one-time cost of $21.00, such a subscription furnishes a complete copy of the Act, plus all changes as they are enacted from time to time.

The ADHESIVES AGE OSHA compliance checklist has been referenced to provide management with a guide to the sections of the Act that apply to the areas covered. With a copy of the Standards in hand, the plant manager can tell at a glance what safety measures must be taken, and where to find the appropriate regulations.

One word of caution: It is impossible to anticipate every manufacturing situation and every plant feature. Where conditions not covered by the checklist exist, a thorough search of the OSHA Standards must be carried out by plant management, in order to accurately determine specific compliance requirements.

Safety in the workplace is everyone's business. We trust that this OSHA checklist will assist adhesives management in the performance of this important obligation.

We at ADHESIVES AGE welcome the participation of the Coatings and Adhesives Materials Department of Union Carbide Corporation as the sponsor of this special fold-out OSHA compliance checklist. The long history of devotion to high safety standards at Union Carbide makes it most appropriate for that company to join in this effort toward the achievement of higher safety standards for the entire adhesives industry.

KMOB 6655

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allenwest inc.

Labeling Systems for Shipping Hazardous Materials



- D.O.T. Labels and Placards
- Special Handling Labels
- Compressed Gas Labels and Tags
- Safety Signs • Shipping Labels and Tags

Kmcc 6655

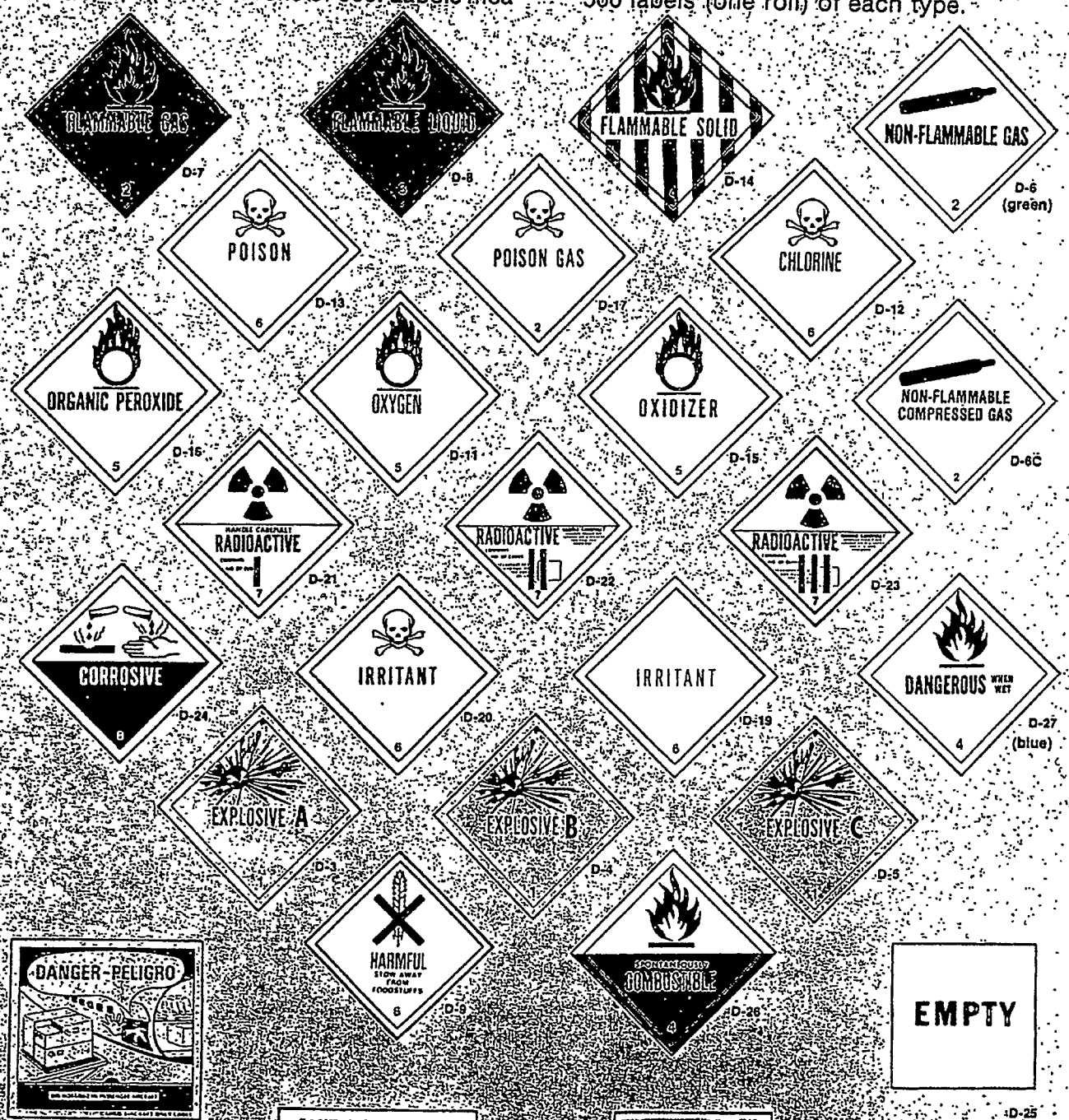
STANDARD D.O.T. LABELS

ITEMS D-1 THROUGH D-28

Allenwest carries in stock all labels required by the Department of Transportation for labeling hazardous materials for use by highway, rail, air and water.

All labels are of the "self-stick" type, with permanent, pressure-sensitive adhesive, and are provided in rolls of 500. Labels measure a standard 4" x 4" and are printed in bright, long-lasting ink colors.

Each label can be easily peeled off the continuous backing paper and applied. All labels on this page can be grouped together for best quantity price breaks. **Minimum:** 500 labels (one roll) of each type.



All labels in stock for immediate delivery.

KMBG 6657

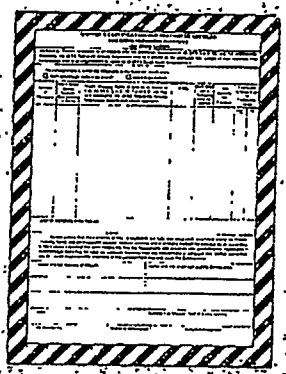
Hazardous Materials

SHIPPING DOCUMENTS

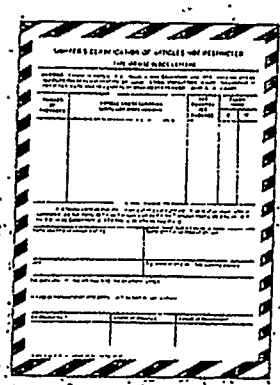
ITEMS SD-1, SD-2, and SD-3

These shipping forms for use in domestic and international transportation are provided in pad-form, 100 8½" x 11" sheets per pad.

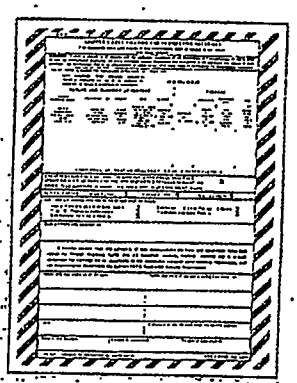
Shippers Certification of articles Not Restricted (Item SD-2) is carbonized between each sheet.



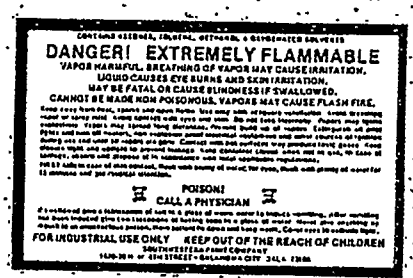
SD-1
RESTRICTED ARTICLES



SD-2
NON-RESTRICTED ARTICLES

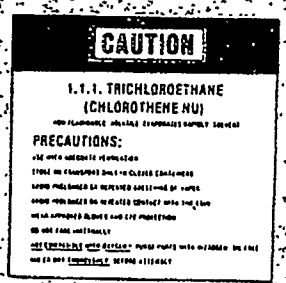


SD-3
RADIOACTIVE MATERIALS



WATER TREATMENT COMPOUNDS, LIQUID

DISINFECTANT, LIQUID



CUSTOM WARNING and SHIPPING NAME LABELS

Custom labels with colors, size, and wording to your specifications are also available through **Allenwest.**

Samples shown illustrate possible styles you can design for large Shipping Name Labels or Warning Labels. Anything is possible! Write for pricing and ordering information. We welcome all inquiries.

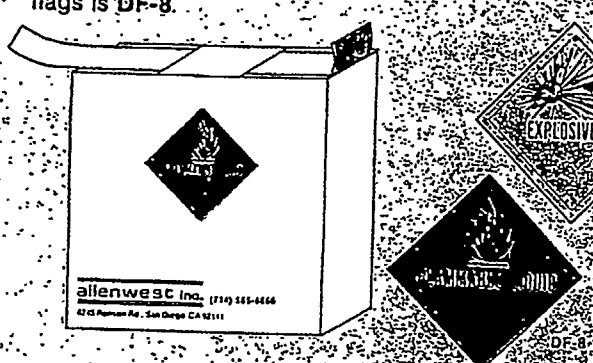
MINIATURE D.O.T. "FLAGS"

ITEMS DF-1 THROUGH DF-28

All standard D.O.T. labels pictured on page 2 are available in miniature, for use on shipping papers and other documents.

Miniature "flags" are approximately ¾" x ¾" in size. They are printed in the same bright colors and on the same pressure-sensitive stock as standard size D.O.T. labels, and are provided in handy dispenser boxes of 500 labels.

Order as **Item DF-** , plus the number designating the type of D.O.T. label as shown on page 2. Example: the item number for miniature "Flammable Liquid" flags is **DF-8.**



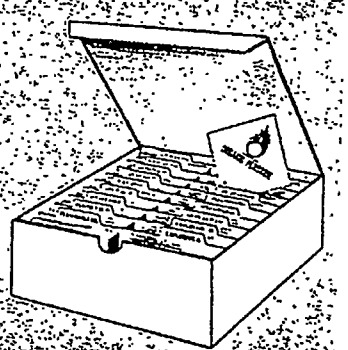
D.O.T. LABEL SUPPLY BOX

ITEM D-100

Supply boxes satisfy the requirement that one must keep an adequate supply of labels on hand at each location where shipments are loaded.

Allenwest's Supply Boxes include printed file card dividers and 50 pressure-sensitive standard D.O.T. labels of each style required.

There are four different types of Supply Boxes, each containing only those labels required for that method of transportation. Labels in each box (specified by item numbers on page 2) are as follows:



SUPPLY BOX ITEM NO. TO ORDER	TYPE OF TRANSPORTATION	D.O.T. LABELS INCLUDED, BY ITEM NO. (See page 2), (50 of each style)
D-100-A	AIR	1,2,5,6,7,8,13,14,15,16,17,19,21,24,28.
D-100-H	HIGHWAY	2,3,4,5,6,7,8,13,14,15,16,17,19,21,22,23,24,27.
D-100-R	RAIL	2,3,4,5,6,7,8,13,14,15,16,17,19,21,22,23,24,27.
D-100-W	WATER	2,3,4,5,6,7,8,9,13,14,15,16,17,19,20,21,22,23,24,26,27.

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LABELS FOR OTHER REGULATED MATERIALS

These pressure-sensitive labels for "Other Regulated Materials" measure 1½" x 2½", are printed in bright blue, and are provided in rolls of 1000 labels.

The "ORM-D Air" labels meet the requirements for shipping Consumer Commodities by aircraft. They may be grouped with "Standard ORM" labels for best quantity price break.

Minimum order: 1,000 labels of each type.

ORM-D AIR LABELS

SIZE 1½" x 2½" (blue)



OR-1 OR-2 OR-3 OR-4 OR-5 OR-6

OR-7 OR-8 OR-9 OR-10 OR-11 OR-12

LIMITED QUANTITY LABELS

There are various exemptions afforded shipments containing limited quantities of Flammable Liquids (except by air).

Also, the outside of the carton is to be marked if the flash point (lowest temperature at which the liquid's vapor will ignite) is 73° F or higher.

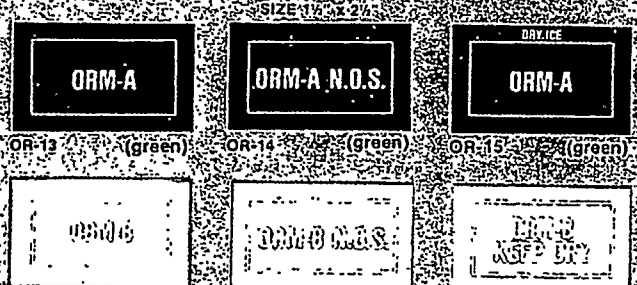
Using our Limited Quantity labels provides instant recognition of the shipment's status. Size 1½ x 2½, printed in bright red, labels are supplied in rolls of 1,000.



OR-21 SIZE 1½" x 2½" OR-22

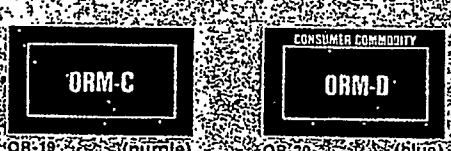
STANDARD ORM LABELS

SIZE 1½" x 2½"



OR-13 (green) OR-14 (green) OR-15 (green)

OR-16 OR-17 OR-18



OR-19 (purple) OR-20 (blue)

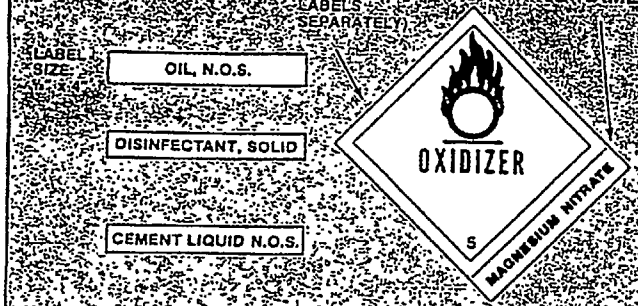
SHIPPING NAME LABELS

These pressure-sensitive labels measure ¾" x 4" and are available in rolls of 500. They are to be used in conjunction with the standard D.O.T. labels to mark packages with the proper required shipping name.

Different styles may be grouped together for best quantity price break. Minimum of 500 labels of each type. Order D.O.T. labels separately.

PROPER USE OF SHIPPING NAME LABEL

(ORDER D.O.T. LABELS SEPARATELY)



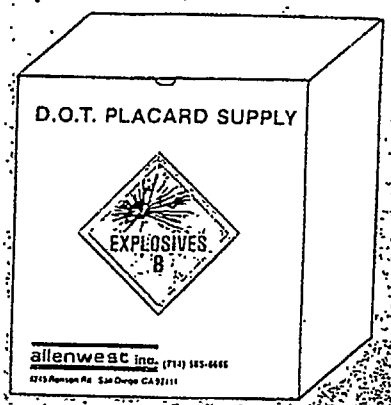
ITEM NO.	SHIPPING NAME	CORRESPONDING D.O.T. LABEL (Order Separately)
SN-1	Acid, Liquid, N.O.S.	Corrosive
SN-2	Alcohol, N.O.S.	Flammable Liquid
SN-3	Adhesive, N.O.S.	Flammable Liquid
SN-4	Alkaline Liquid, N.O.S.	Corrosive
SN-5	Cement, Liquid, N.O.S.	Flammable Liquid
SN-6	Cleaning Compound, Liquid, N.O.S.	Corrosive Flammable Liquid
SN-8	Compressed Gas, N.O.S.	Flammable Gas Non-Flammable Gas
SN-10	Corrosive Liquid, N.O.S.	Corrosive
SN-11	Corrosive Solid, N.O.S.	Corrosive
SN-12	Disinfectant, Liquid	Corrosive Poison
SN-14	Disinfectant, Solid	Poison
SN-15	Flammable Liquid, N.O.S.	Flammable Liquid
SN-16	Flammable Solid, N.O.S.	Flammable Solid
SN-17	Ink	Flammable Liquid
SN-18	Insecticide, Dry, N.O.S.	Poison
SN-19	Insecticide, Liquid, N.O.S.	Flammable Liquid Poison
SN-21	Irritating Agent, N.O.S.	Irritant
SN-22	Nitrate, N.O.S.	Oxidizer
SN-23	Oil, N.O.S.	Flammable Liquid
SN-24	Organic Peroxide, Liquid, N.O.S.	Organic Peroxide
SN-25	Organic Peroxide, Solid, N.O.S.	Organic Peroxide
SN-26	Organic Peroxide, Liquid	Flammable Liquid
SN-27	Oxidizing Material, N.O.S.	Oxidizer
SN-28	Plastic Solvent, N.O.S.	Flammable Liquid
SN-29	Poisonous Liquid, N.O.S.	Poison
SN-30	Poisonous Gas, N.O.S.	Poison Gas
SN-31	Poisonous Solid, N.O.S.	Poison
SN-32	Pyrophoric Liquid, N.O.S.	Flammable Liquid
SN-33	Solvent, N.O.S.	Flammable Liquid
SN-34	Water Reactive Solvent, N.O.S.	Flammable Solid
SN-35	Water Treatment Compound, Liquid	Corrosive

D.O.T. PLACARD SUPPLY BOX

These fully-indexed storage boxes contain a selection of placards for emergency use.

Item DP-100-T (TAGS) contains a total of 216 Placards: 24 each of tags #1 through #8 and 12 each of tags #13 and #14.

Item DP-100-L (VINYL LABELS) contains a total of 144 Placards: 16 each of #1 through #8 and 8 each of #13 and #14.



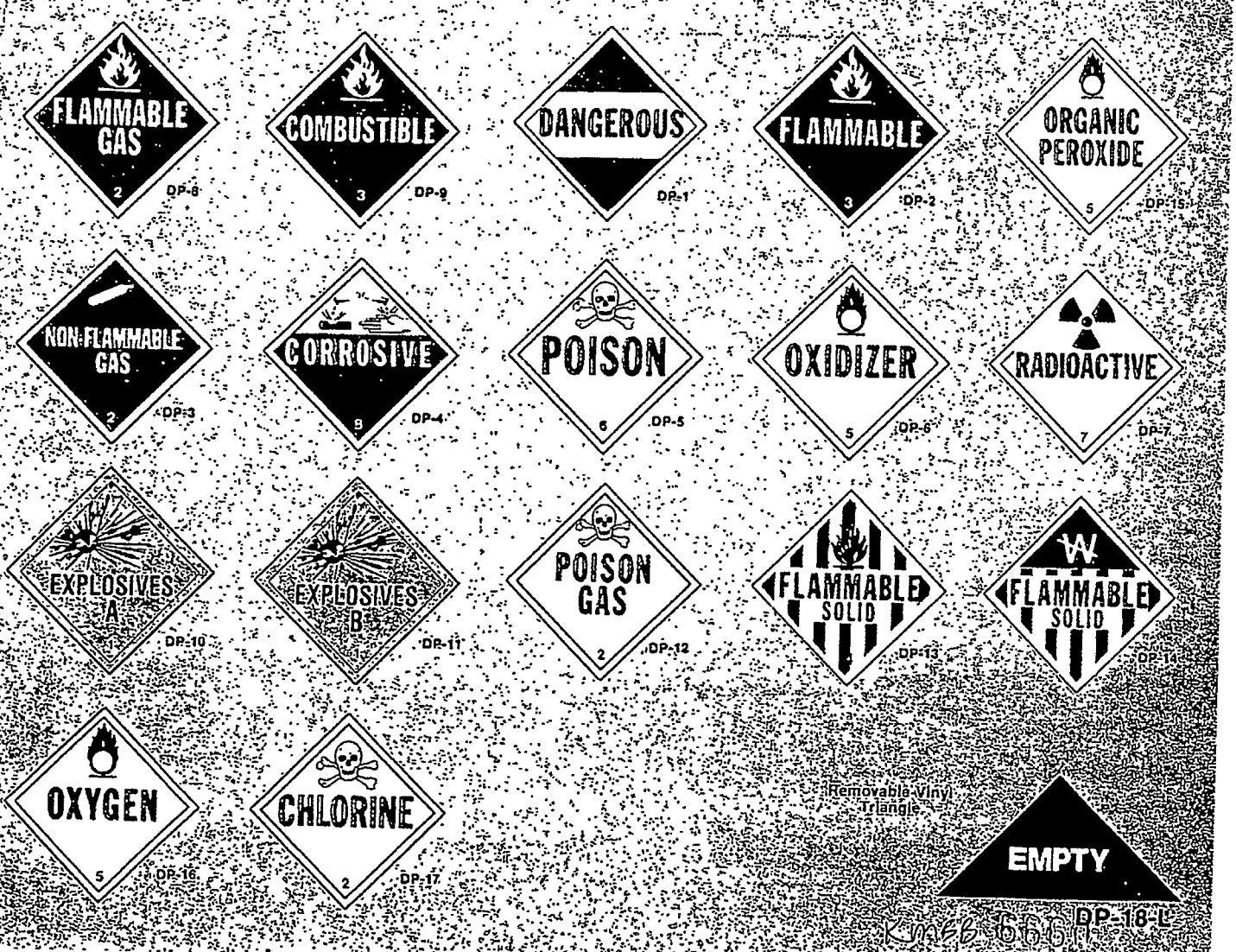
DP-100-T DP-100-L

D.O.T. PLACARDS

ITEMS DP-1 THROUGH DP-18

Standard Placards measure 10¾" square and are available both as a 155-lb. tag, printed one-side, and as a pressure-sensitive label on removable vinyl.

For tags, order item no. DP - number - T. (EXAMPLE: CORROSIVE tag is item no. **DP-4-T.**) For labels, order DP - number - L. (ie., CORROSIVE label is item no. **DP-4-L.**)



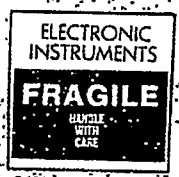
"SPECIAL HANDLING" LABELS

Allenwest offers a large selection of pressure-sensitive warning labels for shipping items which require delicate or special treatment.

Labels are provided 500 or 250 per roll. Labels of similar size may be grouped together for quantity price break. See price list.



D-30 SIZE 3½" x 5"



D-29 3½" x 3½"



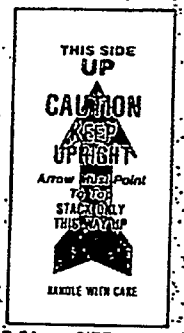
D-31 SIZE 3½"



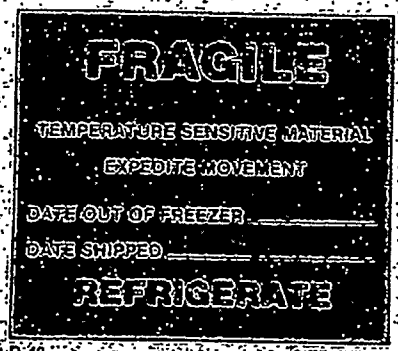
D-33 2½" x 5"



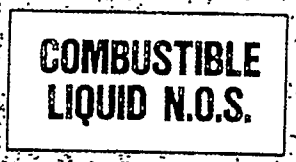
D-32 3" x 5"



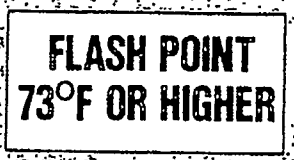
D-34 SIZE 3½" x 6"



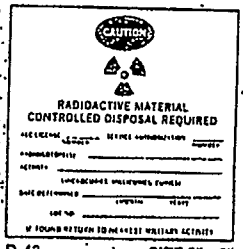
D-40 SIZE 6¼" x 8"



D-41 SIZE 4" x 6"



D-42 SIZE 4" x 6"



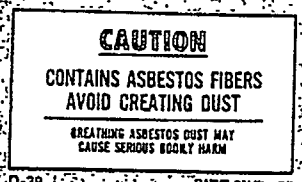
D-43 SIZE 6" x 6"



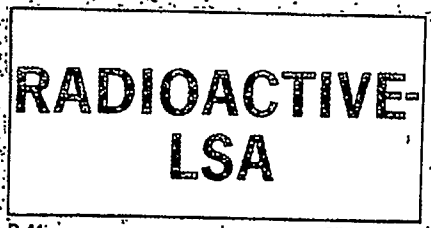
D-37 SIZE 4" x 4¼"



D-38 SIZE 4" x 4¼"



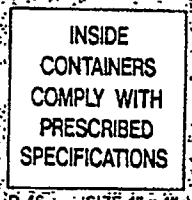
D-39 SIZE 2¾" x 5"



D-44 SIZE 5" x 10"



D-45 SIZE 4" x 4"



D-46 SIZE 4" x 4"



D-47 SIZE 4" x 4"



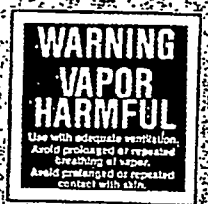
D-48 SIZE 4" x 4"



D-49 SIZE 4" x 4"



D-50 SIZE 4" x 4"



D-51 SIZE 4" x 4"



D-52 SIZE 3" x 6"



D-56 SIZE 4" x 5"



D-53 SIZE 3" x 5"



D-54 SIZE 3" x 5"



D-55 SIZE 3"

KMEB 6661

allenwest inc.
8245 Ronson Road, San Diego, CA 92111
(714) 565-8666

LABELING SYSTEMS
for shipping Hazardous Materials

PRICE LIST
Effective May, 1978

Our pricing structure may change in the future, so we will update this information from time to time.

If there is a pricing change at the time of your order, we will advise you before work is started.

See Order Form for Terms & Conditions

KmBB 6662

allenwest inc.
8245 Ronson Road, San Diego, CA 92111
(714) 565-8666

PRICE LIST
for hazardous materials
MAY 1978

★LABELS ★TAGS ★SILKSCREEN ★METALPHOTO ★PHOTO ETC

D.O.T. LABELS

ITEM NUMBER	500	1M	3M	6M	12M	24M	48M
D-1 thru D-27 (except D-25)	12.75 LOT	19.75 M	13.90 M	11.85 M	10.89 M	9.85 M	9.40 M
D-25	16.50 LOT	27.50 M	24.50 M	19.73 M	18.45 M	17.20 M	16.10 M
D-28	14.75 LOT	21.75 M	15.50 M	13.70 M	12.78 M	11.70 M	11.48 M

SHIPPING DOCUMENTS

(Lot prices based on number of sheets. 100 sheets per pad.)

ITEM	100	200	500	1M	2500	5M	10M
SD-1, SD-2, SD-3	14.50 LOT	24.65 LOT	44.50 LOT	64.45 LOT	144.00 LOT	261.00 LOT	493.00 LOT

MINIATURE D.O.T. FLAGS

(Minimum Order: 5 boxes)

ITEM DF-1 to DF-28	**5 - 10 BOXES:** 7.59 BOX	**OVER 10 BOXES:** 7.39 BOX

D.O.T. LABEL SUPPLY BOX

ITEM	1 - 4	5 - 9	10 - 24	25 - 99	100 - UP
D-100-A	18.85 ea.	16.20 ea.	14.95 ea.	14.10 ea.	12.95 ea.
D-100-H and D-100-R	19.65 ea.	16.95 ea.	15.90 ea.	14.95 ea.	14.20 ea.
D-100-W	20.88 ea.	18.10 ea.	17.10 ea.	15.95 ea.	16.10 ea.

ORM-D-AIR, STANDARD ORM, & LIMITED QUANTITY LABELS

ITEM	1M	2M	3M	6M	12M	24M	48M
OR-1 to OR-22	9.95 M	7.80 M	6.90 M	6.45 M	5.60 M	4.90 M	4.45 M

SHIPPING NAME LABELS

ITEM	500	1M	3M	6M	12M	24M	48M
SN-1 to SN-35	9.75 LOT	7.50 M	6.80 M	6.20 M	5.25 M	4.45 M	3.95 M

D.O.T. PLACARD SUPPLY BOX

ITEM	1 - 4	5 - 24	25 - 99	OVER 100
DP-100-T (TAGS)	29.00 ea.	25.90 ea.	23.85 ea.	22.48 ea.
DP-100-L (LABELS)	42.60 ea.	38.45 ea.	35.85 ea.	33.48 ea.

D.O.T. PLACARDS

ITEM	100	500	1M	2500	5M	10M	25M
DP-1-T to DP-17-T	13¢ ea.	10½¢ ea.	9¢ ea.	8½¢ ea.	7¢ ea.	6½¢ ea.	6¢ ea.
DP-1-L to DP-17-L	28¢ ea.	25¢ ea.	21½¢ ea.	20¢ ea.	19½¢ ea.	18¢ ea.	17½¢ ea.
DP-18-L	19¢ ea.	16½¢ ea.	13¢ ea.	12½¢ ea.	12¢ ea.	11¢ ea.	10¢ ea.

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allenwest inc.
8245 Ronson Road, San Diego, CA 92111
(714) 565-8666

PRICE LIST
for hazardous materials
MAY 1978

"SPECIAL HANDLING" LABELS

ITEM	500	1M	3M	6M	12M
D-29 to D-34; D-37 to D-39; D-45 to D-53	14.78 LOT	22.45 M	19.73 M	18.46 M	17.65 M
D-40 and D-44	34.10 LOT	57.95 M	51.90 M	48.10 M	46.05 M
D-41 to D-43	18.20 LOT	28.55 M	25.95 M	24.65 M	23.20 M
D-54	21.13 LOT	33.88 M	30.95 M	28.89 M	28.15 M
D-55	14.73 LOT	21.74 M	15.95 M	14.10 M	12.98 M
D-56	24.12 LOT	38.48 M	35.96 M	33.47 M	31.47 M

ILLUSTRATIVE "SPECIAL HANDLING" LABELS

ITEM	500	1M	3M	6M	12M	24M	48M
P-1 to P-12	16.50 LOT	24.50 M	21.50 M	19.73 M	18.42 M	17.40 M	16.70 M

INJURIOUS SUBSTANCES LABELS

ITEM	500	1M	3M	6M	12M	24M	48M
IJ-1 to IJ-12	12.73 LOT	17.48 M	14.78 M	13.52 M	12.23 M	11.40 M	10.88 M

INTERNATIONAL SHIPPING LABELS

ITEM	1M	2500	5M	10M	25M	50M	100M
All except IN-3 & IN-4	14½¢ ea.	12½¢ ea.	9½¢ ea.	9¢ ea.	8¢ ea.	7½¢ ea.	7¢ ea.
IN-3 and IN-4	16¢ ea.	—	15¢ ea.	14½¢ ea.	14¢ ea.	13½¢ ea.	13¢ ea.

U.S. CUSTOMS LABELS

ITEM	1M	2500	5M	10M	25M	50M	100M
C-1	55.00 M	48.00 M	40.00 M	35.50 M	31.50 M	29.00 M	27.50 M
C-2	35.00 M	21.00 M	17.60 M	15.84 M	12.10 M	9.97 M	8.89 M

BLAZERS — Not Printed ("Blank")

Be sure to specify stock color when ordering.

ITEM	500	1M	3M	6M	12M	24M
B-1	8.30 LOT	11.70 M	8.45 M	7.25 M	6.40 M	5.75 M
B-2	9.80 LOT	13.73 M	9.98 M	8.45 M	7.48 M	6.72 M
B-3	12.80 LOT	18.20 M	15.15 M	14.00 M	12.80 M	11.80 M
B-4	16.20 LOT	22.76 M	19.00 M	17.53 M	15.95 M	14.70 M

BLAZERS — Custom Printed

Be sure to specify stock color and send sketch or black & white art when ordering.

ITEM	SET-UP	3M	6M	12M	18M	24M	48M
B-1	26.00	24.25 M	20.00 M	16.00 M	13.20 M	10.20 M	7.25 M
B-2	28.00	28.60 M	23.45 M	18.65 M	15.48 M	11.90 M	8.46 M
B-3	26.00	46.80 M	34.00 M	27.60 M	22.80 M	18.80 M	14.00 M
B-4	28.00	58.65 M	42.44 M	34.39 M	28.48 M	23.52 M	17.46 M

Km. 666

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8245 Ronson Road, San Diego, CA 92111
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PRICE LIST
for hazardous materials
MAY 1978

ITEM NO.	DESCRIPTION	50 PCS	75 PCS	100 PCS	250 PCS
S-12	"This Door to Remain"	1.25 ea.	1.00 ea.	.85 ea.	.75 ea.

ITEM NO.	DESCRIPTION	5 PCS	50 PCS	100 PCS
S-7 thru S-11	Safety Signs	1.45 ea.	1.30 ea.	1.00 ea.

ITEM NO.	DESCRIPTION	1000	2000	3000	5000	6000	10,000	12,000	20,000	24,000	48,000	50,000	100,000
S-13	Packing List Envelopes	23.00 lot	22.00 M	21.00 M	19.50 M	19.00 M	18.50 M	18.00 M	17.50 M	17.00 M	16.00 M	15.50 M	14.50 M

SHIPPING LABELS
Prices shown are for **BLUE** imprinting. For printing red, green, black or brown, add 10.00 ink charge. For 2-color labels, increase set-up and prices by 20%.

ITEM NO.	DESCRIPTION	SET-UP CHARGE	500	1000	2000	5000	10,000	15,000	25,000
S-1 & S-2	Shipping Labels	(Type): 12.50 (Plate): 15.00	15.95 lot	27.50 lot	24.50 M	22.72 M	21.54 M	21.07 M	20.60 M

ADVERTISING LABELS
Prices are for **WHITE GLOSS** stock only. For other stocks, increase prices by 20%. Specify stock type and ink color when ordering. If sending art, plate charge is 15.00.

ITEM NO.	DESCRIPTION	SET-UP CHARGE	1000	2000	5000	10,000	15,000	20,000	25,000
S-3	Adv. labels size 1"x2"	(Type): 12.50 (Plate): 15.00	31.00	25.50 M	12.50 M	7.50 M	5.50 M	4.60 M	4.10 M
S-4	Adv. labels size 1½"x2½"	(Type): 12.50 (Plate): 15.00	33.50	27.50 M	15.00 M	8.50 M	6.90 M	6.10 M	5.70 M
S-5	Adv labels size 1¼"x3½"	(Type): 12.50 (Plate): 15.00	35.50	28.50 M	—	—	—	—	—
S-6	Adv labels size 1½"x3½"	(Type): 12.50 (Plate): 15.00	—	—	18.30 M	10.30 M	7.50 M	6.40 M	6.00 M

SHIPPING TAGS
Minimum Order: 5,000.
May be grouped together, minimum of 1M of each type.

SIZE NUMBER	COLORED TAGS ITEMS 311 to 348	MANILA ITEMS 301 to 310	MANILA-STRUNG ITEMS 501 to 508	MANILA-STRUNG ITEMS 601 to 604
1	8.70 M	5.80 M	14.70 M	15.80 M
2	9.90 M	7.00 M	16.05 M	17.00 M
3	12.65 M	8.25 M	17.20 M	18.30 M
4	13.95 M	9.95 M	19.00 M	20.10 M
5	15.10 M	10.90 M	19.75 M	20.85 M
6	17.20 M	12.55 M	21.55 M	21.90 M
8	24.40 M	14.55 M	26.00 M	26.15 M

COMPRESSED GAS LABELS AND TAGS

ITEM NO.	DESCRIPTION	SET UP	1000	3000	5000	8000	10,000	15,000	20,000	25,000
G-1 thru G-17	Gas Cylinder Labels	12.50 ea. copy	85.00 lot	50.00 M	40.00 M	39.00 M	38.00 M	37.00 M	36.00 M	35.00 M
G-19	Oxidizer Label	none	70.00 lot	38.00 M	30.00 M	—	21.50 M	19.00 M	—	15.50 M
T-1, T-2-A and T-2-B	Compressed Gas Tags	none	35.00 lot	30.00 M	28.50 M	27.00 M	26.00 M	—	—	—
T-1-P, T-2-A-P and T-2-B-P	Compressed Gas Tags — Personalized	12.50	75.00 lot	40.00 M	37.00 M	36.00 M	35.00 M	—	—	—

For all special "custom" items, please send us a sketch designating color scheme and layout (and black & white, camera-ready art if you have it), and information regarding size, type of stock, colors, type of packaging (pieces, strips, or rolls) and **QUANTITY.** We will be happy to call or write back with a quotation.

KmBB 666:

ILLUSTRATIVE "SPECIAL HANDLING" LABELS

ITEMS P-1 THROUGH P-12

A descriptive illustration of the necessary special handling procedures characterizes these original **Allenwest** labels.

Printed in bright colors on white pressure-sensitive material, all labels measure 3½" x 6" and are provided 500 per roll.

All "This End Up" labels have dotted line printed at top to indicate position for folding over the top carton edge. This procedure will insure correct "this end up" orientation.

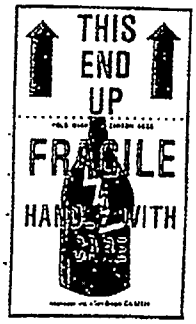
Different styles may be grouped together for quantity price break. Minimum of 500 labels of each style.



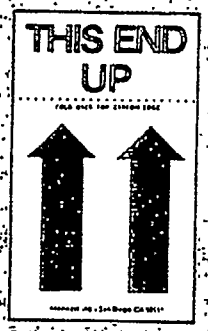
P-6



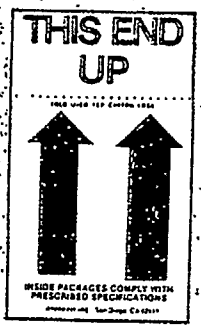
P-7



P-8



P-9

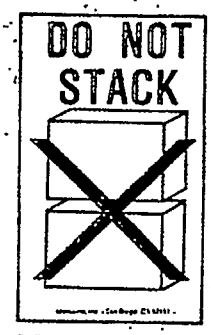


P-12



P-10

All labels in stock for immediate delivery.



P-5



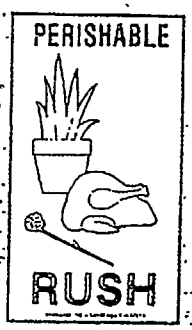
P-4



P-3



P-1



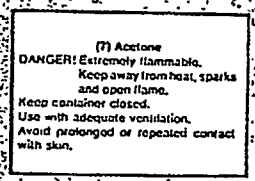
P-2

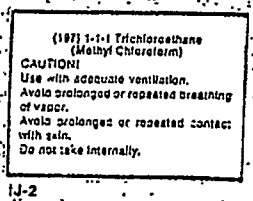
INJURIOUS SUBSTANCES LABELS IJ-1 THROUGH IJ-12

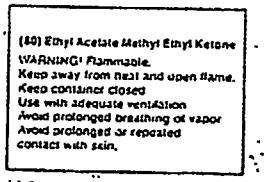
Printed in black on bright yellow vinyl, these labels satisfy the safety requirements for labeling of injurious substances.

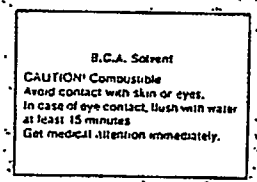
Labels measure 2¼" x 3¼", and are provided in rolls of 500. Those styles shown are stock items and may be grouped together for quantity price break.

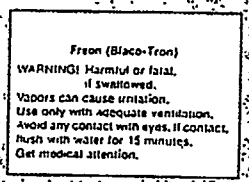
Other styles (for labeling different substances) are available on a custom basis. Write for pricing.

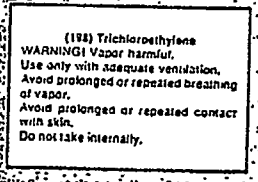

(7) Acetone
DANGER! Extremely flammable.
Keep away from heat, sparks and open flame.
Keep container closed.
Use with adequate ventilation.
Avoid prolonged or repeated contact with skin.
IJ-1

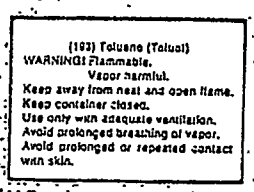

(197) 1-1-1 Trichloroethane (Methyl Chloroform)
CAUTION!
Use with adequate ventilation.
Avoid prolonged or repeated breathing of vapor.
Avoid prolonged or repeated contact with skin.
Do not take internally.
IJ-2

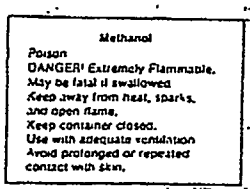

(60) Ethyl Acetate Methyl Ethyl Ketone
WARNING! Flammable.
Keep away from heat and open flame.
Keep container closed
Use with adequate ventilation
Avoid prolonged breathing of vapor
Avoid prolonged or repeated contact with skin.
IJ-3

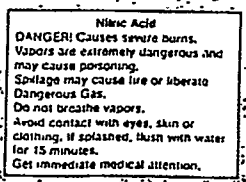

B.C.A. Solvent
CAUTION! Combustible
Avoid contact with skin or eyes.
In case of eye contact, flush with water at least 15 minutes
Get medical attention immediately.
IJ-4

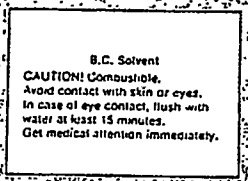

Freon (Blaco-Tron)
WARNING! Harmful or fatal if swallowed.
Vapors can cause irritation.
Use only with adequate ventilation.
Avoid any contact with eyes. If contact, flush with water for 15 minutes.
Get medical attention.
IJ-5

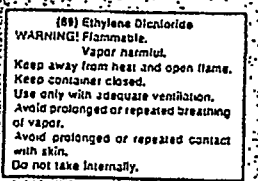

(192) Trichloroethylene
WARNING! Vapor harmful.
Use only with adequate ventilation.
Avoid prolonged or repeated breathing of vapor.
Avoid prolonged or repeated contact with skin.
Do not take internally.
IJ-6

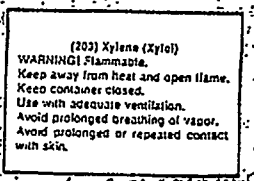

(193) Toluene (Toluol)
WARNING! Flammable.
Vapor harmful.
Keep away from heat and open flame.
Keep container closed.
Use only with adequate ventilation.
Avoid prolonged breathing of vapor.
Avoid prolonged or repeated contact with skin.
IJ-7


Methanol
Poison
DANGER! Extremely Flammable.
May be fatal if swallowed
Keep away from heat, sparks, and open flame.
Keep container closed.
Use with adequate ventilation
Avoid prolonged or repeated contact with skin.
IJ-8


Nitric Acid
DANGER! Causes severe burns.
Vapors are extremely dangerous and may cause poisoning.
Spillage may cause fire or liberate Dangerous Gas.
Do not breathe vapors.
Avoid contact with eyes, skin or clothing. If splashed, flush with water for 15 minutes.
Get immediate medical attention.
IJ-9


B.C. Solvent
CAUTION! Combustible.
Avoid contact with skin or eyes.
In case of eye contact, flush with water at least 15 minutes.
Get medical attention immediately.
IJ-10

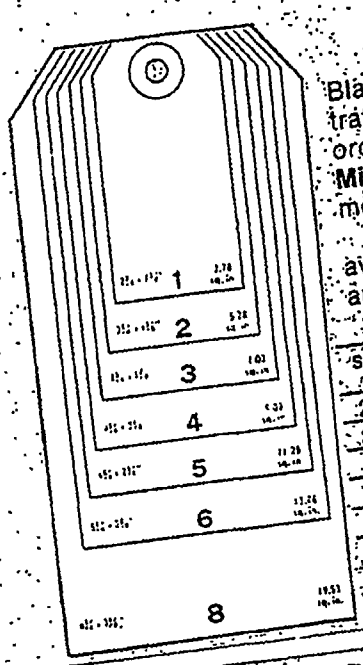

(69) Ethylene Dichloride
WARNING! Flammable.
Vapor harmful.
Keep away from heat and open flame.
Keep container closed.
Use only with adequate ventilation.
Avoid prolonged or repeated breathing of vapor.
Avoid prolonged or repeated contact with skin.
Do not take internally.
IJ-11


(203) Xylene (Xylol)
WARNING! Flammable.
Keep away from heat and open flame.
Keep container closed.
Use with adequate ventilation.
Avoid prolonged breathing of vapor.
Avoid prolonged or repeated contact with skin.
IJ-12

KmBB bbbh

SHIPPING TAGS

BLANK and CUSTOM PRINTED



Blank Shipping Tags are available as a stock item in seven standard sizes as illustrated at left, and are available in manila and seven colors. Manila tags may be ordered with or without strings or wires. Order by stock number as listed below. **Minimum order: 5,000.** Different sizes and colors may be grouped together to meet minimum quantity, with minimum of 1,000 of each type.

Custom printed tags, with or without strings, wires, or perforations, are also available. Send us a sketch, plus information regarding size, colors, and quantity, and we will be happy to send you a quotation.

BLANK SHIPPING TAGS — ORDER BY ITEM NUMBER

SIZE	Size #	White	Yellow	Red	Blue	Green	Orange	Pink	Manila-	Manila- Strung	Manila- Wired	Size #
2¾" x 1⅜"	1	311	321	341	351	361	371	381	301	501	601	1
3¼" x 1⅝"	2	312	322	342	352	362	372	382	302	502	602	2
3¾" x 1⅞"	3	313	323	343	353	363	373	383	303	503	603	3
4¼" x 2⅛"	4	314	324	344	354	364	374	384	304	504	604	4
4¾" x 2⅜"	5	315	325	345	355	365	375	385	305	505	605	5
5¼" x 2⅝"	6	316	326	346	356	366	376	386	306	506	606	6
6¼" x 3⅛"	8	318	328	348	358	368	378	388	308	508	608	8

COMPRESSED GAS CYLINDER LABELS

ITEMS G-1 through G-17 and G-19

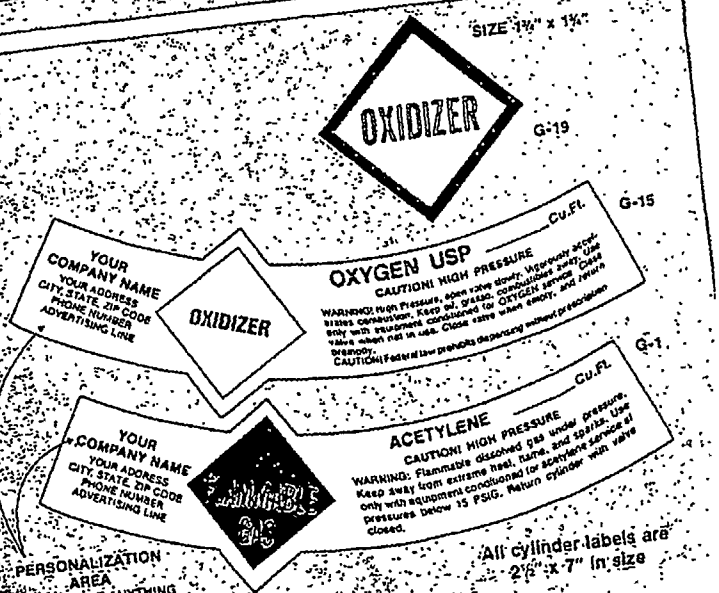
Allenwest Compressed Gas labels are printed with fade-resisting inks on white vinyl #9600, and shaped to fit smoothly and evenly on gas cylinders. Labels are provided die cut in rolls of 500 for convenient storage and application. Each label may be personalized with your company name, address, phone number, and any other information you would like to include, at no extra cost. Please specify wording up to 5 lines, with a maximum of 23 letters and spaces per line. You may order a variety of rolls to meet a price break, with a minimum of 1000 labels (2 rolls) per item. See below for complete list of the many styles available. Additional Gas Cylinder labels are available upon request.

THE FOLLOWING GAS CYLINDER LABELS ARE AVAILABLE AS A STANDARD ITEM:

Item	Name
G-1	Acetylene
G-2	Air Compressed (Breathing Qual.)
G-3	Air Compressed
G-4	Argon
G-5	Carbon Dioxide - Welding Grade
G-6	Carbon Dioxide - Comm. Grade
G-7	Carbon Dioxide - Liquified
G-8	Helium
G-9	Hydrogen
G-10	Liq. Petroleum Gas (Mapp Gas)
G-11	Liq. Petroleum Gas (Propane)
G-12	Nitrogen - Prepurified
G-13	Nitrogen
G-14	Oxygen
G-15	Oxygen U.S.P.
G-16	Mixtures - Non-Flammable
G-17	Mixtures - Flammable
G-19	Oxidizer (1¾" x 1¾")

OTHER STYLES AVAILABLE UPON REQUEST

PERSONALIZATION AREA — WE WILL PRINT ANYTHING UP TO 5 LINES



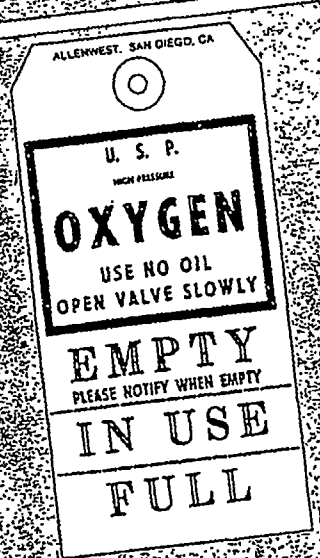
All cylinder labels are 2" x 7" in size

COMPRESSED GAS TAGS

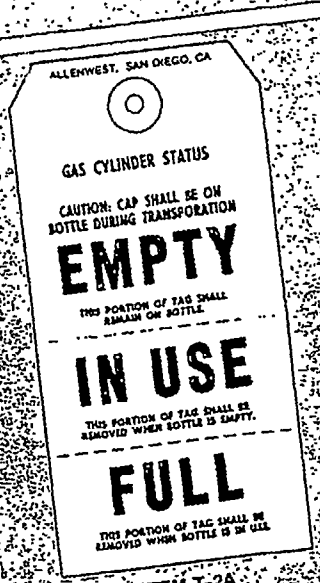
ITEMS T-1, T-2A, and T-2B

Tags are printed with same copy on two sides with black ink, and have two perforations where shown. Reinforced holes are wired with 26 gauge by 12" wires, or strung.

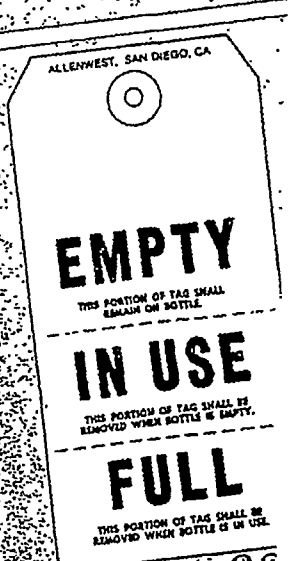
Item T-1 (green), and items T-2A and T-2B (gray) are stock items. All 3 items may be personalized if desired, with one line only, and in your choice of tag color. (See colors available under "Shipping Tags".) For Personalized Tags, specify tag color and wording, and order T-1P, T-2A-P, or T-2B-P.



ITEM T-1
SIZE 2¼" x 4¾"



ITEM T-2A
TAG SIZE: 2¼" x 5¼"
(GRAY)



ITEM T-2B
TAG SIZE: 2¼" x 5¼"
(GRAY)

allenwest inc.

8245 Ronson Road, San Diego, CA 92111
(714) 565-8666

HOW TO ORDER:

Please enclose full payment with all orders, OR send 5 references. We may ship C.O.D.

NOTE: We will pay shipping charges on all orders accomp by a check for payment in full.

For custom or personalized items, attach a sketch with showing exact wording and layout. Specify either ALL (or Upper/Lower case letters.

Indicate choice of stock and ink color where available.

MINIMUM ORDER: $10.00

ORDER FORM

BILLING ADDRESS:

Customer Name

Street Address

City, State, Zip Code

Phone No. Purchase Order No.

SHIPPING ADDRESS

Customer Name

Street Address

City, State, Zip Code

Phone No.

Ordered by

Signature of Buyer
(ALL ORDERS MUST BE SIGNED)

Date Signed

ITEM NO.	DESCRIPTION	STOCK TYPE	INK COLOR	PERSONALIZED YES	PERSONALIZED NO	QUANTITY	UNIT PRICE	TOTAL PRICE	PLU SET-

TERMS & CONDITIONS

- Minimum order $10.00
- Terms are net 30 days
- Open account to all rated companies. Others are required to send check with order.

All orders are subject to acceptance by our corporate headquarters in San Diego. Due to the requirements of proofing and inspection, as regards customized materials, acceptance of a 10% overrun or underrun is understood. Custom orders are not subject to cancellation unless payment is made for such artwork, plates, and other such preparation expenses which may have been incurred. Allenwest products are warranted as to materials and workmanship at the time

himself the values of these products through his own use testing. Allenwest's obligation shall be limited to replacement of defective materials. Under no circumstances shall Allenwest or its agents be held liable for losses, damages, or any other expenses which may be incurred by use of our product. Products may not be returned without prior written notice from our office. Specifications, prices and delivery are subject to change without notice.

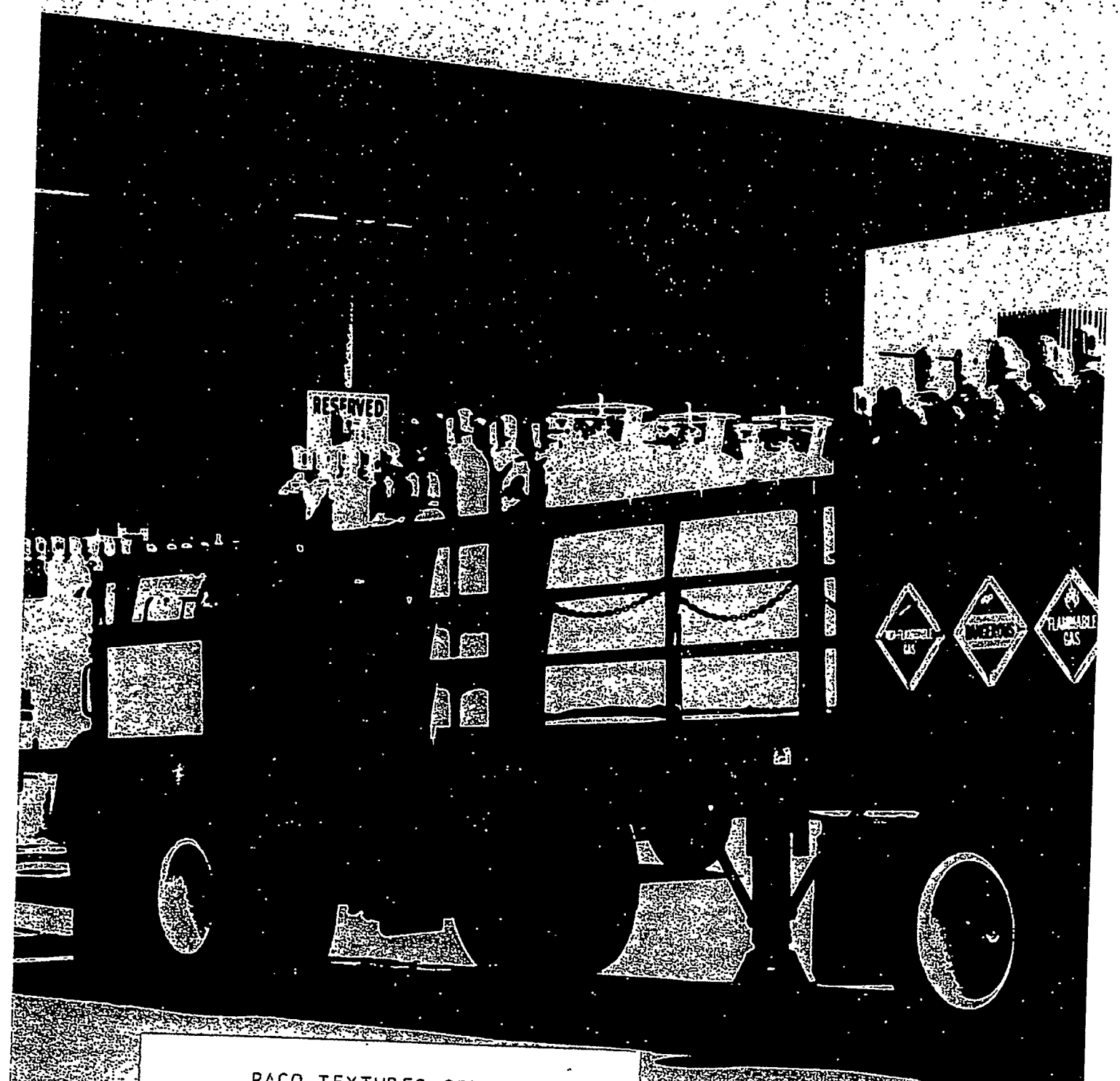
☐ Check Enclosed
☐ 5 Credit References Enclosed (Please check credit)
☐ Ship C.O.D. if necessary

SUB TOTAL OF ITEMS	
SUB TOTAL OF SET-UPS	
TAX	
TOTAL ORDER	

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Should you not see the answer to your needs in this catalog, we invite you to drop a line, or give us a call. We are the people with the answers.



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A COMPREHENSIVE PORTFOLIO OF

texture

the finishing touch for drywall systems

USED IN

California

- SKIP TROWEL
- KNOCK DOWN
- SPLATTER
- FOG
- ORANGE PEEL
- FOG AND SPLATTER
- ROLLER TEXTURE
- CEILING TEXTURE (HEAVY FINISH)

Kmbb 66 n



SWIRL TEXTURE

This pattern is created by applying a heavy coat of texture material to the wall and then swirling the texture in an even pattern with a large, round floor waxing brush.

Cover Photograph, "Swirl Texture", by Russ Hepler — courtesy of the Bel Aire Sands Hotel, 11461 Sunset Boulevard, Los Angeles, California

KnBB 6671

texture

the finishing touch

DRYWALL INDUSTRY TRUST FUND
9800 South Sepulveda Boulevard — Suite 712
Los Angeles, California 90045
(213) 776-4555/(415) 568-4060

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KMBB 6672



COMMON TEXTURES USED IN CALIFORNIA

- SKIP TROWEL
- KNOCK DOWN
- SPLATTER
- FOG
- ORANGE PEEL
- FOG AND SPLATTER
- ROLLER TEXTURE
- CEILING TEXTURE (HEAVY FINISH)

INTRODUCTION

This brochure has been produced and distributed for the users of gypsum drywall systems by the DRYWALL INDUSTRY TRUST FUND to acquaint them with the most common *texture* finishes available in California. The DRYWALL INDUSTRY TRUST FUND also desires to expose architects, specification writers, design teams, and builders to these common *textures*, in order that they can communicate accurately by name the desired *texture* finish for a particular project.

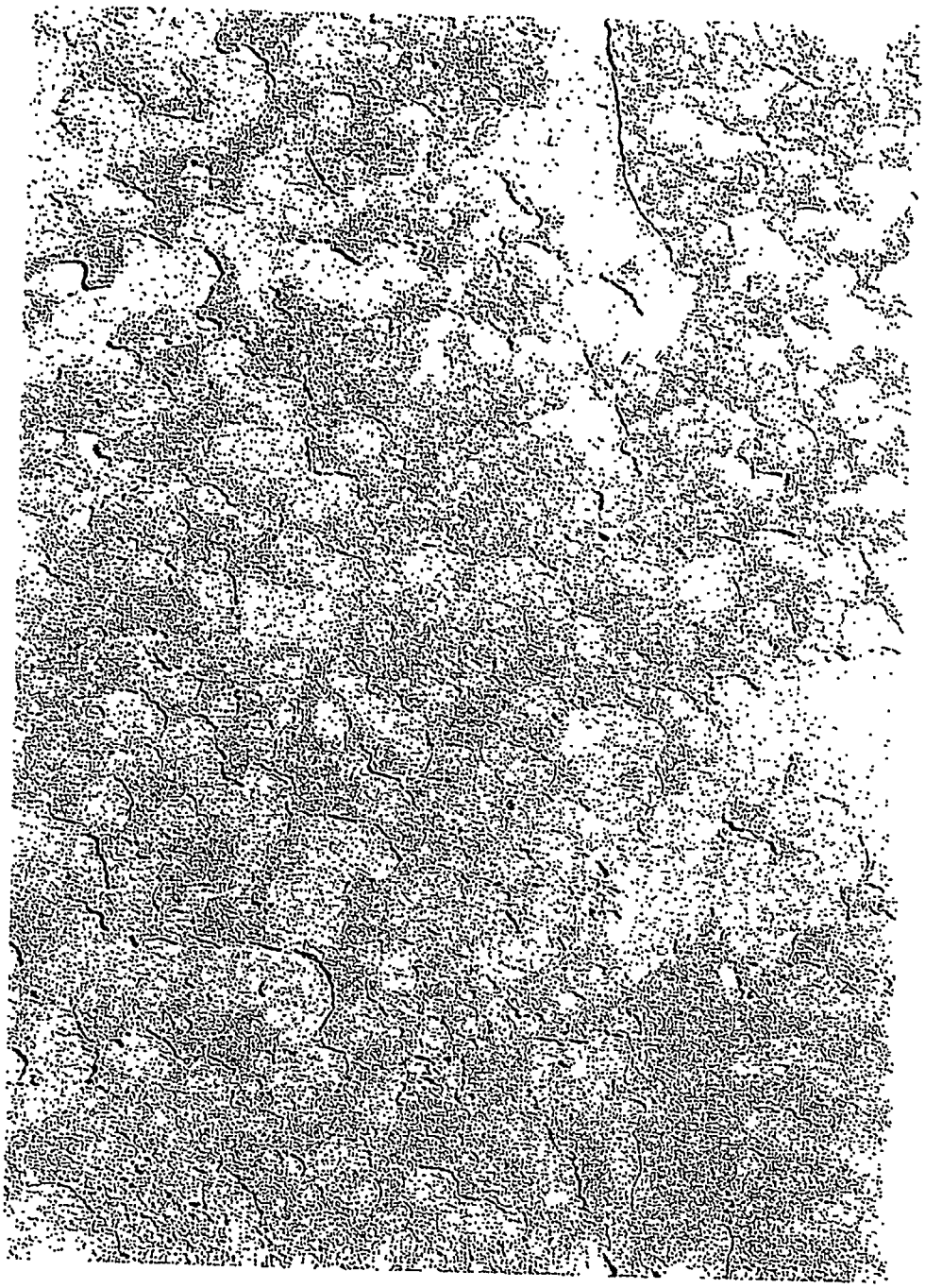
An extensive survey by the staff of the DRYWALL INDUSTRY TRUST FUND indicates that there are eight *textures* widely used in California. The eight *textures* in this book are not by any means limiting the scope of what can be achieved with texture materials by the drywall contracting industry. There are many variations of these basic *textures*. If the texture that you envision for your project differs from the eight basics, we would suggest an allowance be established in the bid documents, and a description be included in the specifications of the *texture* you desire.

Whether you specify one of these basic *textures*, or you specify another, you will save considerable time and expense by requiring that the samples of the desired *texture* be approved by the *architect or other appropriate authority*.

Texture finishes add the final touch to gypsum wallboard. The proper joint treatment is necessary to insure this finishing touch. Comparative cost factors for the common *textures* in this book can vary, depending on the size of the job, the availability of equipment, and the common trade practices in a given area. A drywall contractor in the local area of the project will be happy to assist you in determining what variables are to be considered for an efficient and economical job. The staff of the DRYWALL INDUSTRY TRUST FUND is as close as your telephone (213) 776-4555, (415) 568-4060 and (714) 541-6912 and are willing to help you solve your problems.

KMB 6671

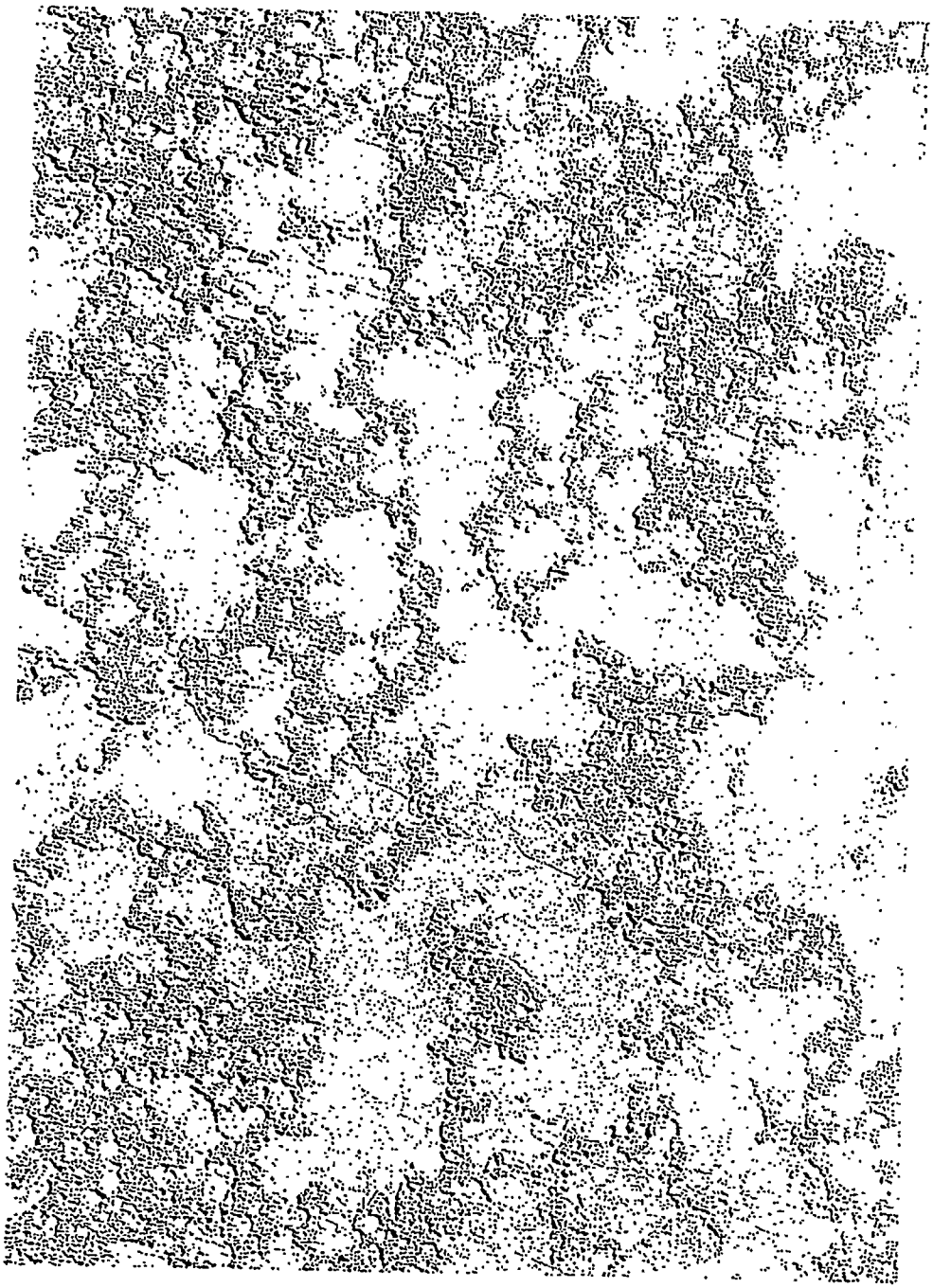
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SKIP TROWEL

Skip Trowel texture is the basic rough texture for walls that is hand applied in a one-coat operation. The material used is joint cement or a manufactured texture with sand added to produce the rough effect. The texture shown is a common pattern produced. Variations for special effects can be achieved by changing the amount of texture applied and varying the depth of the pattern.

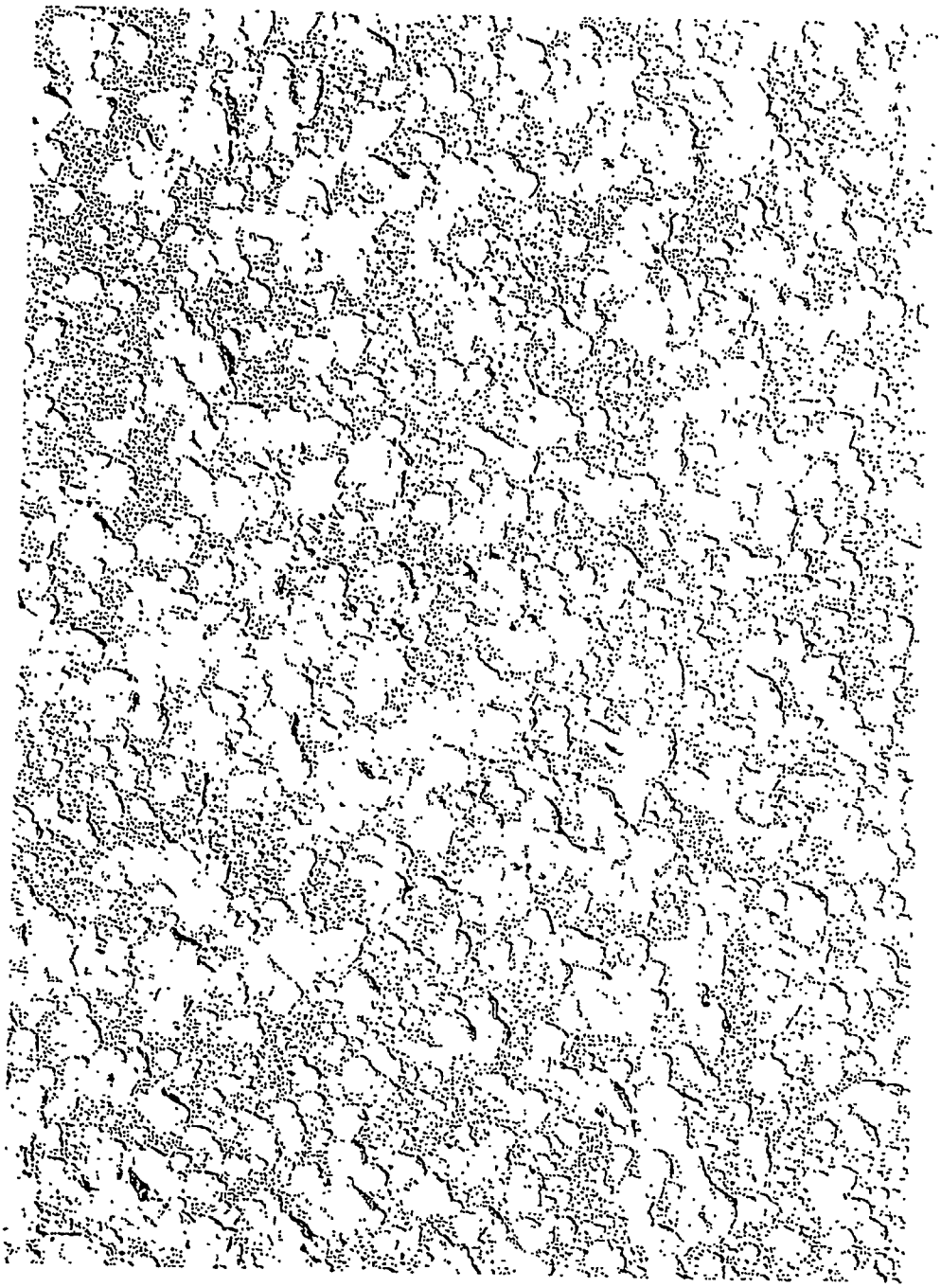
KmBB 667



KNOCK DOWN

Knock Down is the basic rough texture that is applied with special spray equipment. The material used is a manufactured spray texture. After spray application the texture is knocked down with a clean wide knife to produce the desired effect. Variations on this basic result can be achieved with the spray equipment, the amount of material applied, and the hand finishing treatment.

KMBB 667



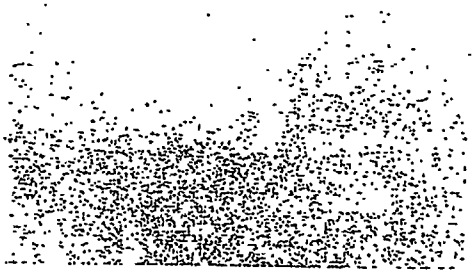
SPLATTER

Spray gun applied, the material is a manufactured product produced to achieve this texture. The pattern shown in the photo can vary in size and coverage. The specifier should indicate size and depth of the pattern, (i.e., ¼"). Approximately fifty per cent of the wall area is covered, and this is an acceptable degree of coverage.

KMBB 6677



PRIOR TO TEXTURE

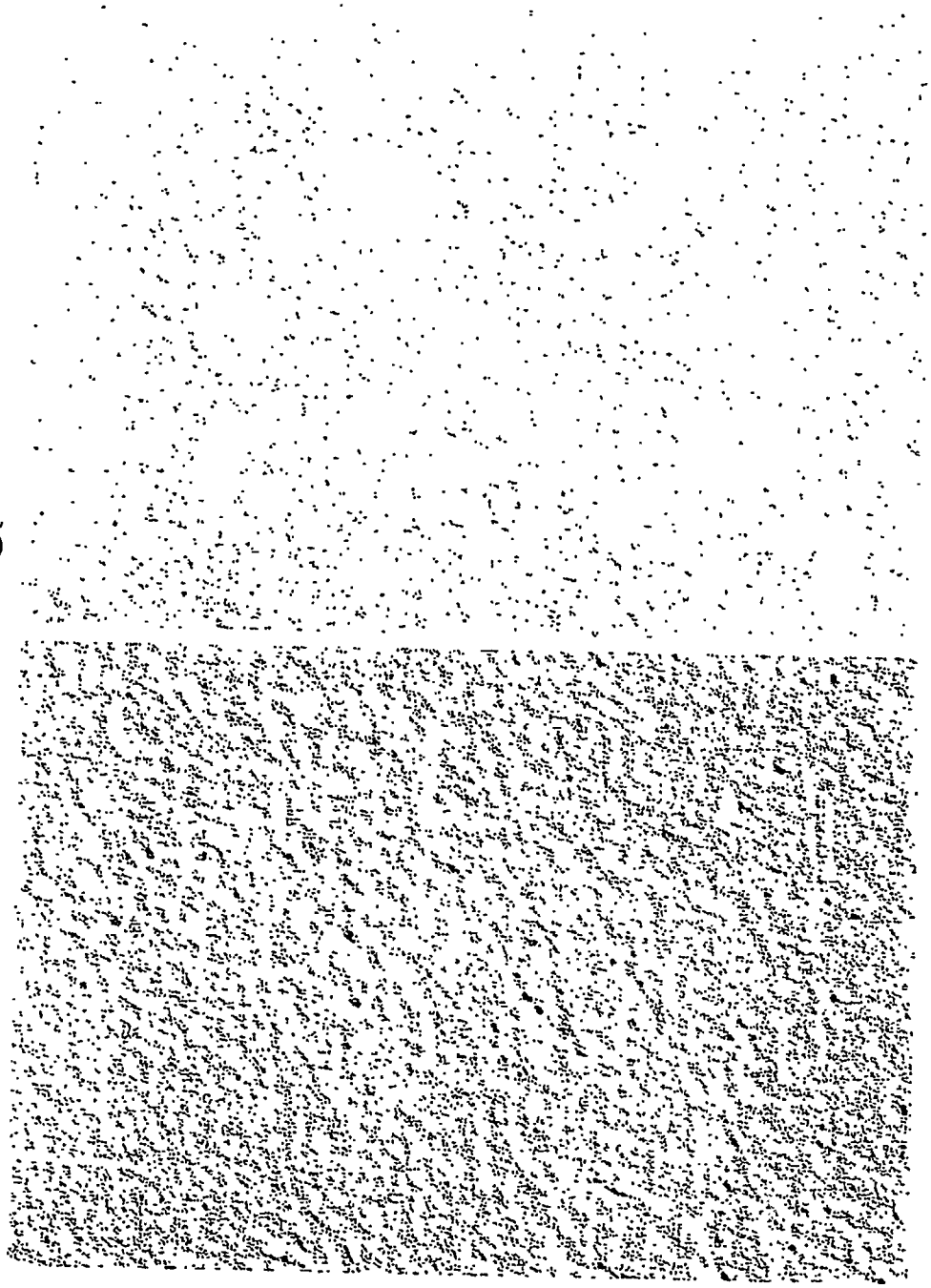


AFTER TEXTURE

FOG

A fine sprayed-on texture. After the texture is applied, the joint work will still be moderately apparent, however, this will not affect the finish painted wall. This texture is a manufactured product designed to achieve a light stipple finish.

KMBB 6673



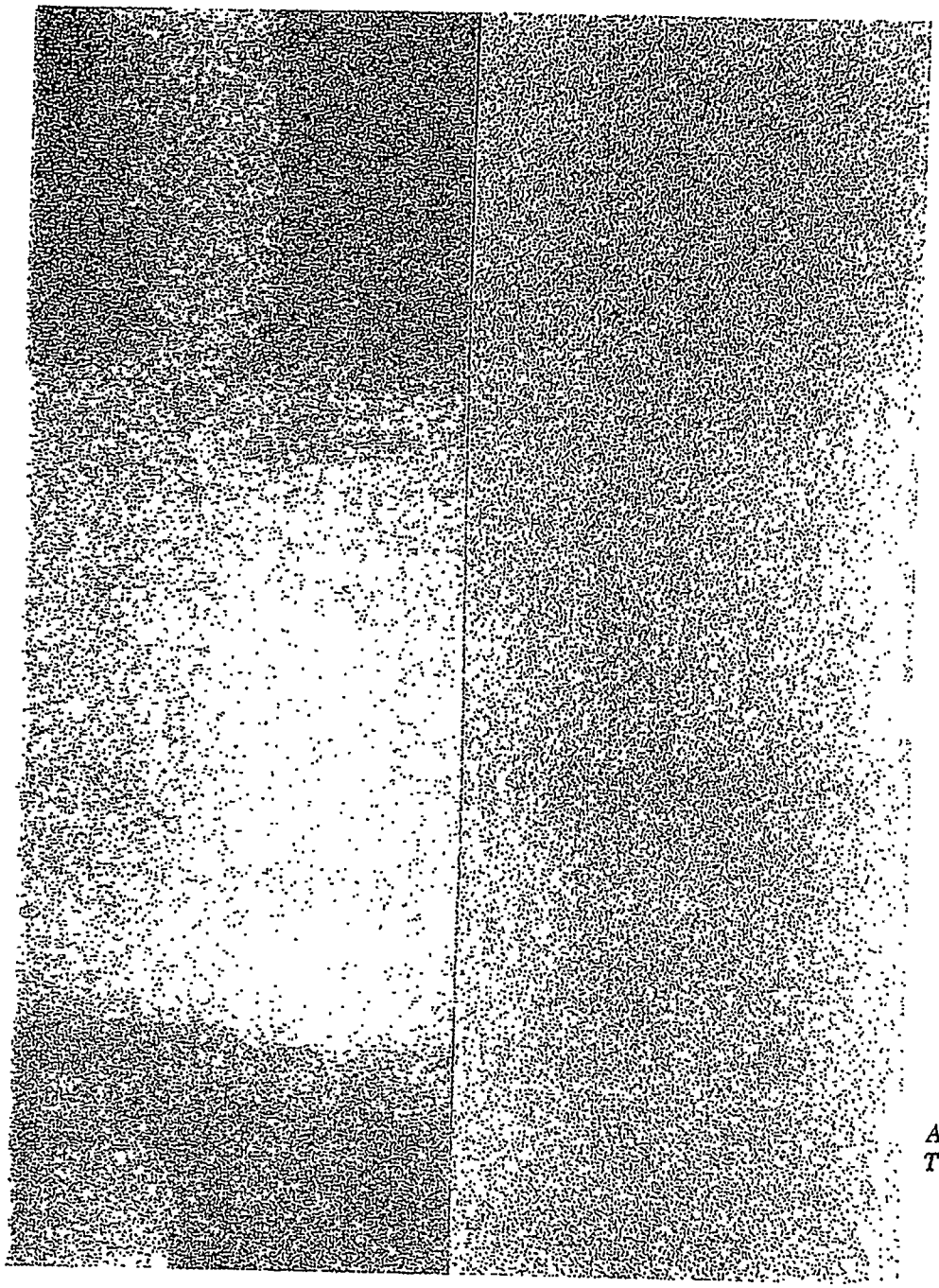
ORANGE PEEL (Light)

ORANGE PEEL (Heavy)

ORANGE PEEL

This texture is spray gun applied, with special nozzle and pressure settings to achieve the results shown. Additional depth can be achieved. Specifier should indicate a light, medium, or heavy texture finish. Samples should be submitted for approval.

KmBB RFT



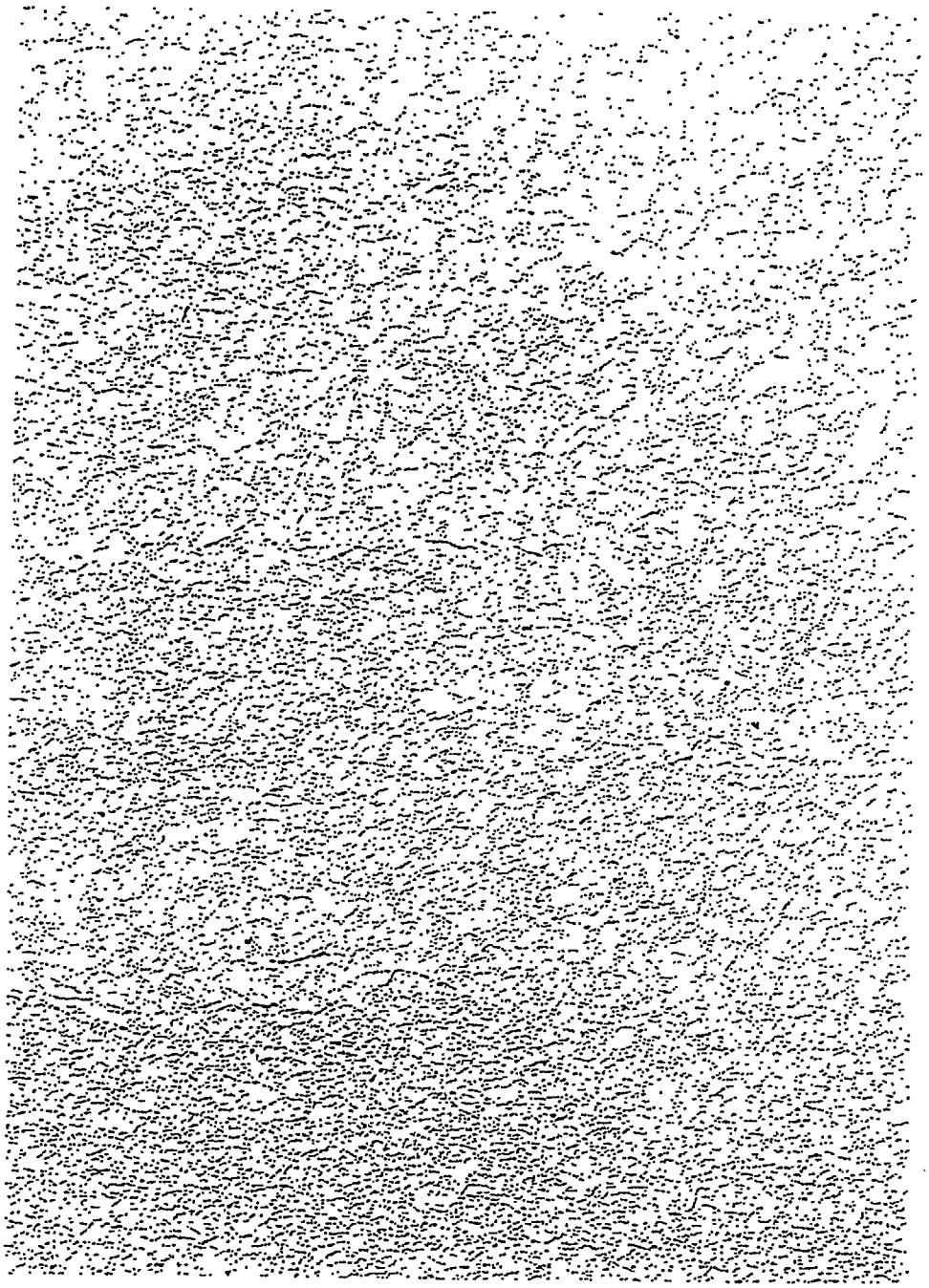
PRIOR TO TEXTURE

AFTER TEXTURE

FOG AND SPLATTER

As the name indicates, this texture is a combination of Fog and Splatter. The entire surface of the wall is covered with material. The ultimate effect, after the walls have been painted, is a richer deeper appearance than the Splatter texture.

KMBB 6681



ROLLER TEXTURE

This texture is applied with a hand roller. The results which are achieved by this method of application gives the viewer the effect of complete coverage of the gypsum wallboard surface. The degree of texture and coverage are dependent on the amount of material applied and the type of roller used.

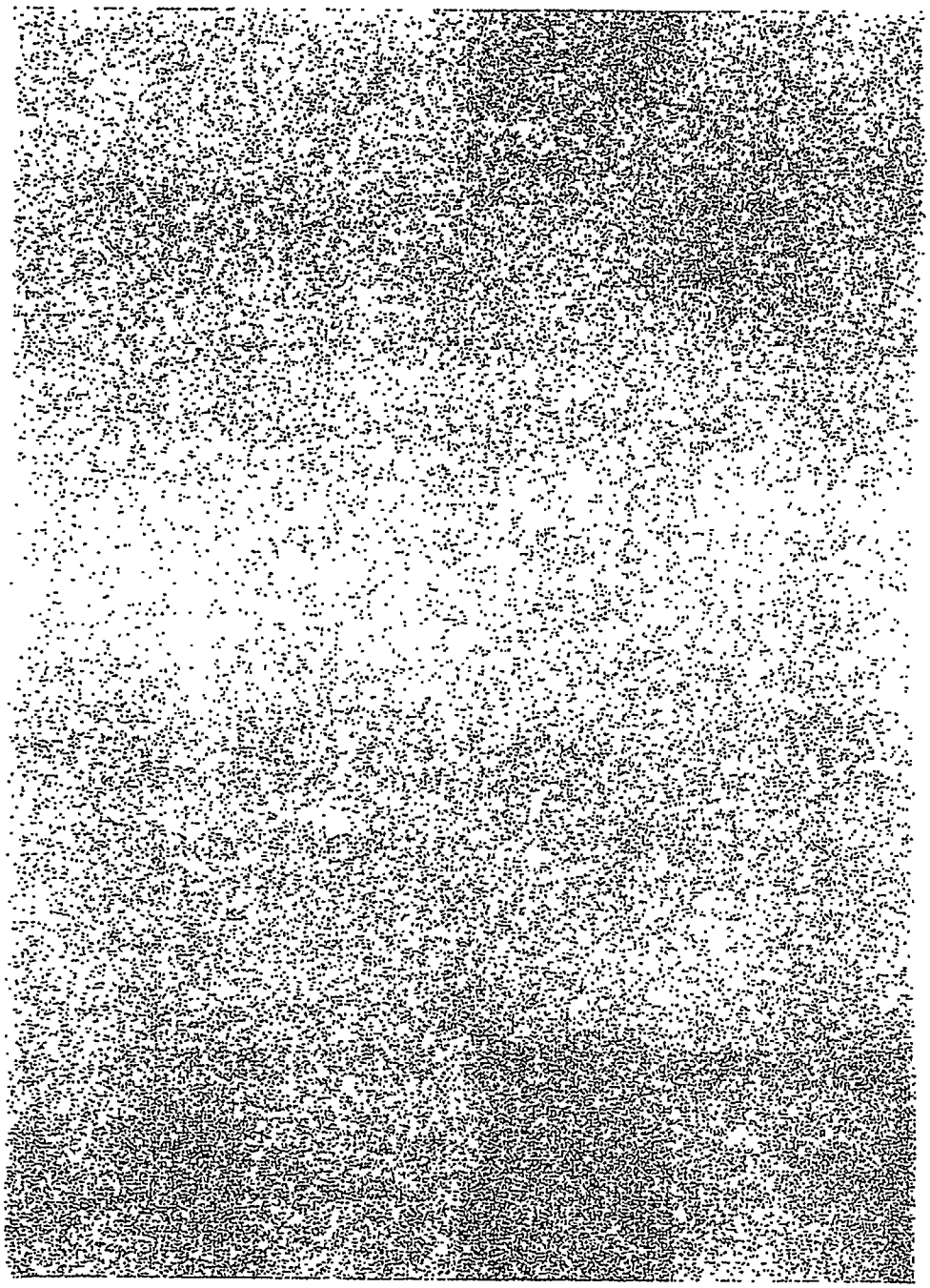
KMBB 6691



CEILING TEXTURE (HEAVY FINISH)

This texture is used for gypsum wallboard ceilings and is usually specified for residential living and sleeping areas. Another widespread use is on concrete ceilings of hotels, motels, and commercial structures. Formulated for ceiling application exclusively, it does not require any additional surface coating. The high-low pattern will vary from one manufacturer's material to another. When a particular pattern is desired, the contractor should be required to supply samples.

KmBB 665



ADDITIONAL COAT OF JOINT CEMENT

ADDITIONAL TOUCH UP PLUS SANDING

In addition to texture finishes shown in this brochure there are two types of surface preparations which will achieve a smooth wall surface. One is achieved with additional touch up and sanding prior to the application of a proper sealer suitable for additional coatings or wall coverings. This type of finish can also be obtained with the application of an additional coat of joint cement over the entire surface of the gypsum wallboard.

KMBB 6693

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SURFACE PREPARATION: All wallboard joints and nail head or screw depressions should be prepared in order to create the proper foundation for the desired texture prior to application.

Concrete surfaces should be cured and be free from dirt, grease, dust, and water soluble materials and any exposed metal properly primed. Projections and offsets must be removed and voids filled flush in order to produce the desired results over these concrete surfaces. Preparation of the concrete surfaces shall be prescribed in the scope of work.

APPLICATION: Most manufacturers require a limit in the range of air temperature prior to and during application of textures. There are also some time limitations that must be achieved under slow drying conditions.

RESULTS: There are degrees, depths, and surface coverage (all variables) of most of the textures described in this brochure. We believe that your best interests and those of your clients will be achieved when there is a mutual understanding of the texture you desire with those who will be responsible for the preparation and application and you are urged to require that samples be furnished for approval. This may not be necessary in situations where there is an ongoing relationship between purchaser and producer.

KMBB 6691