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FROM R. M. JAMES
F. W. HECKER

TO SEE DISTRIBUTION

PITTSBURGH OFFICE

1985 December 16

RE: ALCOA IN-HOUSE LABELING PROGRAM - OSHA HAZARD COMMUNICATION STANDARD
(21 CFR 1910.1200)

Ref: R. M. James' Letter of 1985 July 23 Entitled "In-House Labeling
Program"

The Alcoa in-house hazardous materials labeling program is now complete. A national agreement with Standard Register will be issued and distributed to the field in the immediate future. A local agreement should be issued by you subsequent to receiving the national agreement for meeting your label requirements.

Enclosed with this correspondence is a sample of the proper ordering form (Attachment A) to be used by your Procurement personnel. Local Hazardous Materials Coordinators are responsible for providing the Procurement personnel with their label requirements, which include:

1. label number
2. name of the material
3. appropriate MSDS number for the material
4. vendor stock number (to complete the proper vendor stock number for "D - DANGER," "C - CAUTION," or "P - UNPRINTED," reference Attachment B below)
5. quantity of labels required.

There have been 47 different label formats developed (see Attachment B). These assure that the proper hazard warnings etc., are given for the material. For mixtures containing more than one hazardous material, the more severe hazard warning shall be employed. If materials are found that do not have an appropriate format, contact R. M. James in Pittsburgh for creation of a new format. Reference Attachment C for an index of hazardous materials and the applicable label format.

This program pertains to hazardous materials stored in Alcoa containers. Portable containers must be labeled directly. The only exception to this is portable containers used by the same individual within the same work shift. Stationary containers can either be directly labeled or the label information can be contained in or accompany a batch ticket, process flow sheet, etc. For stationary containers, we suggest that direct container labeling be restricted to truly hazardous situations (e.g., flammables, combustibles, explosives, corrosives, etc.).

While labeling requirements pertain to plant chemicals, as well as quality control samples, hazardous chemicals used in laboratories should also be covered.



SF 4563 (REV 11-68)

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In-House Labeling
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If anyone has questions concerning implementation of the above program,
please do not hesitate to contact R. M. James (ext. 2881) or F. W. Hecker
(ext. 4386).

R. M. JAMES
F. W. HECKER

RMJ:wp

Attachments

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DISTRIBUTION:

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F. H. Rohde, Kessler Premium Castings, El Paso, TX
R. A. Topp, Fort Meade Works
G. L. Gemmer, Rea Magnet/Fort Wayne, IN
S. A. Kraft, Lafayette Works
L. M. Crivaro, Lancaster Works
R. Jacobson, Lancaster Works
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J. K. Carnevale, Logans Ferry Works
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D. G. Applegate, Mobile Works
C. H. Barker, Paradise Point
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R. P. Graf, Richmond Works
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C. L. Green, Rockdale Works
W. S. Stroud, Tennessee Operations
J. A. Blessinger, Vancouver Operations

ATTACHMENT A

LABELS

[illegible]

SIZE

VENDOR STOCK NO.

14" x 11"	*1411D	OR	1411C	OR	1411P	(D-DANGER)
11" x 8"	1108D	OR	1108C	OR	1108P	(C-CAUTION)
8" x 6"	0806D	OR	0806C	OR	0806P	(P-UNPRINTED)
5" x 4"	0504D	OR	0504C	OR	0504P	

ATTACHMENT B

LABEL FORMATS

- 1) Flammable Liquid (Irritant) - DANGER
- 2) Hexane - DANGER
- 3) Methanol - DANGER
- 4) 1-Nitropropane - DANGER
- 5) Flammable Liquid (Irritant, Carcinogen) - DANGER
- 6) Flammable Gas (Compressed) - DANGER
- 7) Flammable Solid (Water Reactive) - DANGER
- 8) Combustible Liquid - CAUTION
- 9) Combustible Liquid (Animal Carcinogen) - CAUTION
- 10) Combustible Liquid (Irritant) - CAUTION
- 11) Isophorone - CAUTION
- 12) Combustible Liquid (Irritant, Health) - CAUTION
- 13) Water Reactive - DANGER
- 14) Water Reactive and Explosive - DANGER
- 15) Oxidizer - DANGER
- 16) Oxidizer (Irritant) - DANGER
- 17) Compressed Gas (Inert) - CAUTION
- 18) Compressed Gas (Oxidizer) - DANGER
- 19) Compressed Gas (Oxidizer, Health) - DANGER
- 20) Irritant - CAUTION
- 21) Corrosive - DANGER
- 22) Corrosive (Carcinogen) - DANGER
- 23) Corrosive (Combustible Liquid) - DANGER
- 24) Corrosive (Oxidizer) - DANGER
- 25) Corrosive (Oxidizer, Explosive) - DANGER
- 26) Corrosive (Compressed) - DANGER
- 27) Corrosive (Sensitizer) - DANGER
- 28) Cresol and Phenol - DANGER
- 29) Pneumoconiosis Dust - CAUTION
- 30) Pneumoconiosis Dust (Carcinogen) - CAUTION
- 31) Ceramic Refractory Fibers - CAUTION
- 32) Asbestos - CAUTION
- 33) Carcinogen - CAUTION
- 34) Carcinogen (Sensitizer) - CAUTION
- 35) Carcinogen (Inhalation, Skin) - CAUTION
- 36) Coal Tar Pitch Products - CAUTION
- 37) Sensitizer - CAUTION
- 38) Systemic Toxic - CAUTION
- 39) Systemic Toxic (Irritant) - CAUTION
- 40) Glycol Ether - Cellosolve and Cellosolve Acetate - CAUTION
- 41) Butyl Cellosolve - CAUTION
- 42) Lubricants - UNPRINTED
- 43) Lubricants (Skin Carcinogen) - CAUTION
- 44) "Regulated Hazardous" Material - UNPRINTED
- 45) Flammable Liquid (Irritant which contains cellosolve, cellosolve acetate) - DANGER
- 46) Carcinogen (Irritant) - CAUTION
- 47) Carcinogen (Flammable, Irritant) - DANGER

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ATTACHMENT C
HAZARDOUS MATERIALS INDEX

<u>Substance</u>	<u>Label No.</u>
Acetic anhydride	21
Acetone	1
Acetylene	6
Acrylic acid	23
Alumina	44
Aluminum	44
Aluminum chloride	21
Aluminum dross	13
Aluminum fluoride	44
Aluminum granules	14
Aluminum - lithium alloys	44
Aluminum powder	14
Alkylamine	27
Ammonium bifluoride	21
Ammonium hydroxide	21
Anhydrous ammonia	26
Argon	17
Asbestos	32
Bauxite	44
Bayer liquor	21
Benzene	5
Benzoic acid	20
Beryllium and its compounds	30
Boric acid	20
Brown mud	20
Butyl cellosolve	41

<u>Substance</u>	<u>Label No.</u>
Cadmium	30
Calcium aluminate	20
Calcium carbonate	44
Calcium fluoride	44
Calcium hydroxide	21
Calcium metal	7
Calcium oxide	21
Carbon dioxide	17
Carbon tetrachloride	35
Cell demister eutectic	21
Cell dropout box material	21
Cellosolve	40
Cellosolve acetate	40
Ceramic refractory fibers	31
Cesium	44
Chlorine	19
Chlorodifluoromethane	17
Chloroform	33
Chromic acid	24
Chromium	44
Citric acid	20
Coal tar pitch	36
Cobalt	29
Cold ramming paste	36
Copper	44
Cresol	28
Crushed bath	44
Cryolite	44
Crystalline silica	29
Cyclohexanone	10

<u>Substance</u>	<u>Label No.</u>
Diacetone alcohol	10
Dichlorodifluoromethane	17
Dimethyl ketone	1
DOP	33
Electric calcined anthracite	44
Ethane	6
Ethanol	1
Ethyl acetate	1
Ethyl benzene	1
Ethylene glycol	44
Fluorotrichloromethane	17
Fluosilicic acid	21
Formaldehyde	34
Formic acid	23
Furfural	10
Gallium and its oxides	44
Gasoline	47
Glacial acetic acid	23
Glycerin	44
Glycerol	44

<u>Substance</u>	<u>Label No.</u>
Halon 1301	17
Helium	17
Hexachlorbenzene	35
Hexane	2
Hexylene glycol	20
Hi flash naphtha	10
Hot ramming paste	36
Hydrazine	22
Hydrochloric acid	21
Hydrochloric acid gas	26
Hydrofluoric acid	21
Hydrogen	6
Inhibitor in Logan's Ferry paste	21
Insoluble hexavalent chromium	33
Iron and its oxides	44
Isobutyl alcohol	1
Isophorone	11
Isopropyl alcohol	1
Kerosene	9
Lead and its compounds	38
Liquid propane	6
Lithium aluminate	20
Lithium carbonate	20
Lithium chloride	44
Lithium metal	7

<u>Substance</u>	<u>Label No.</u>
Magnesium aluminate spinel	44
Magnesium and its oxides	44
Manganese	44
MEK	1
Mercury	38
Methane	6
Methanol	3
4-methyl-2-pentanol	10
Methylene chloride	46
Methylene diisocyanate	37
MIBK	1
Microcrystalline silica	29
ML-501	42
ML-502	42
ML-503	42
ML-504	42
ML-505	42
ML-507	42
ML-508	42
ML-510	42
ML-512	42
ML-514	42
ML-516	42 or 43 (need to check source)
ML-522	42
ML-523	42
ML-526	20
ML-541	42
ML-544	42
ML-550	42
ML-554	42
ML-560	42
ML-561	42

<u>Substance</u>	<u>Label No.</u>
ML-562	42
ML-563	42
ML-564	42
ML-565	42
ML-567	42
ML-570	42
ML-575	42
ML-586	42
ML-587	42
ML-589	42
ML-594	42
ML-605	42
ML-606	42
ML-624	42
ML-625	42
ML-650	42
ML-666	42
ML-667	42
ML-669	42
ML-670	42
ML-672	42 or 43 (need to check source)
ML-673	42
ML-677	42 or 43 (need to check source)
ML-679	42
ML-680	42
ML-682	42
ML-686	42
ML-751	42
ML-752	42
ML-833	42
ML-834	42
ML-844	42
ML-847	42

<u>Substance</u>	<u>Label No.</u>
ML-916	42
ML-921	12
ML-924	42
ML-925	42
ML-928	42
ML-931	42
ML-935	42
Mobil Mist Lube	42
n-butanol	1
n-butyl acetate	1
Nickel and certain nickel compounds	34
Nitric acid	24
Nitrocellulose	1
Nitrogen	17
1-nitropropane	4
2-nitropropane	5
Oxalic acid	21
Oxygen	18
PCBs	35
Pentane	6
Pentoxone	10
Perchloric acid	25
Perchloroethylene	46
Petroleum coke	44
Phenol	28
Phosphoric acid	21
Potassium hydroxide	21
Propylene glycol methyl ether	1

<u>Substance</u>	<u>Label No.</u>
PL-101	42
PL-106	42
PL-107	42 or 43 (need to check source)
PL-109	42
PL-111	42
PL-113	42
PL-122	42
PL-132	42
PL-133	42
PL-135	42
PL-141	42
PL-143	20
PL-145	10
PL-148	42
PL-151	9
PL-153	42
PL-160	42
PL-161	42
PL-207	42
PL-208	42
PL-228	10
PL-229	42 or 43 (need to check source)
PL-232	42
PL-239	42
PL-242	42
PL-260	42
PL-265	42
PL-270	42
PL-280	42
PL-289	42
PL-295	42
PL-330	10
PL-333	10

<u>Substance</u>	<u>Label No.</u>
PL-334	42
PL-348	9
PL-361	42
PL-372	42
PL-380	42
PL-408	42
PL-448	42
Sialon	44
Silicon	44
Silicon tetrachloride	21 (26)
Soderberg briquettes	36
Sodium acetate	44
Sodium carbonate, anhydrous	20
Sodium dichromate	16
Sodium hydroxide	21
Sodium hypochlorite	21
Sodium metal	7
Sodium silicate	21
Spent caustic	21
Spent potlining	20
Stearic acid	44
Stoddard solvent	10
Sulfur dioxide	26
Sulfuric acid	21

<u>Substance</u>	<u>Label No.</u>
Tin	44
Titanium and its oxide	44
Titanium tetrachloride	21 (26)
Toluene	1
Toluene diisocyanate (TDI)	37
1,1,1-trichloroethane	39
Trichloroethylene	39
Trisodium phosphate	44
Turpentine	1
Type 100 solvent	10
Type 150 solvent	10
Used motor oils	43
VMP-naphtha	1
Xylene	1
Zinc	44
Zirconium	44
Zirconium tetrachloride	21

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