

FILE NAME: Celanese (CEL)

DATE: 1974 June 23

DOC#: CEL014

DOCUMENT DESCRIPTION: Spec Sheets for Respirators

To: See Below

From: Mr. C. S. Laubly - New York

June 23, 1975

Mr. F. Castner	Belvidere
Mr. J. Cantrell	Bishop
Mr. W. Clary	Florence, S.C. (FII)
Mr. J. Coe	Clear Lake
Mr. H. Devlin	Amcelle
Mr. V. Eackles	Charlotte Tech. Center
Mr. J. Edwards	Rome
Mr. C. Ezell	Charlotte
Mr. S. Fleeman	Celco
Mr. W. Hamman	Hilliard
Mr. C. Williams	Celriver
Mr. R. Hunt	Louisville 087
Mr. W. Jones	Greer
Dr. H. Kolodner	Charlotte
Mr. S. Krivan	Louisville
Mr. J. Lunsford	Greenville
Mr. Mike Lewis	Charlotte
Mr. M. Neff	Celco
Mr. F. Norton	Summit
Mr. D. Reitze	Bay City
Mr. Q. Rogers	Shelby (FII)
Mr. P. Stair	Amcelle
Mr. J. Hawthorne	Corpus Christi
Mr. S. Swearengin	Salisbury (FII)
Mr. H. Thomas	Pampa
Sr. G. Orozco C.	Celanese Mexicana, Mexico
Mr. C. Chapman	Celriver



SAFETY & SUPPLY COMPANY

5510 EAST MARGINAL WAY SOUTH • SEATTLE, WA. 98134 • (206) 762-8500

May, 1975

SELECTION TABLE FOR NIOSH-APPROVED RESPIRATORY PROTECTION EQUIPMENT

For your convenience we have prepared a list of NIOSH-Approved respirators available through us. It is particularly important to you that any respirators you purchase be NIOSH-approved because earlier Bureau of Mines approvals expire on the following dates.

Self-contained breathing apparatus.....	March 31, 1979
Gas masks.....	March 31, 1977
Supplied-air respirators.....	March 31, 1980
Dust, fume, and mist respirators.....	March 31, 1976
Chemical-cartridge respirators.....	March 31, 1976

(Except certain self-contained breathing apparatus which may be upgraded and relabeled.)

To make selection of the proper respirator easier, we have broken down the highly technical classifications into general terms that are more easily understood, and, in addition, have inserted some typical examples of use. All of the official descriptions and limitations have been retained.

To use this list, simply look for the kind of material (or combination of materials) against which you need protection. Select from numerous choices given. Because we are not manufacturers who are limited to selling what they make, we can provide this wide array of choices, and provide you with what you really need.

Note that "fume" as used in this table means very fine particles from melting metals, smoke, etc., such as from welding or melting lead. It does not mean vapor from a volatile liquid. As an example, from gasoline. This would be classed as an "organic vapor."

APPROVED RESPIRATORY PROTECTIVE DEVICES

The following respiratory protective devices have been approved by the U.S. Department of the Interior, Bureau of Mines and the U.S. Department of Health, Education, and Welfare, National Institute for Occupational Safety and Health.

Dust, Fume, and Mist Respirators

DUSTS ONLY, Single-Use Respirators

(Limited to silica and asbestos-type dusts. Also okay for road, wood, grain, mineral wool, cement, talc, graphite dusts, etc. Not for toxic dusts such as lead. Not for fume and smoke.)

Willson part number 1400 single-use respirator for respiratory protection against pneumoconiosis and fibrosis-producing dusts. Approval TC-21C-143.

3M model number 8710 single-use respirator for respiratory protection against pneumoconiosis and fibrosis-producing dusts. Approval TC-21C-132.

DUSTS AND MISTS, $\frac{1}{2}$ -Mask Standard Respirator

(Use these for materials listed above. Also approved for medium toxicity dusts and mists. Okay for acid mists, lead, coal tar pitch, asphalt, cryolite. Not for highly toxic dusts and mists, such as beryllium and radio-nuclides. Not for fume and smoke.)

Willson 1210 respirator (1200-series respirator with R10 filters) for respiratory protection against dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-21C-140.

Willson 560 respirator (500-series respirator with R60 filter) for respiratory protection against dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-21C-139.

Welsh 7506 respirator (with 7500-6 filters) for respiratory protection against dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf and asbestos-containing dusts and mists. Approval TC-21C-151.

Welsh 7406 L respirator (with 7400-6 filter) for respiratory protection against dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf and asbestos-containing dusts and mists. Approval TC-21C-153.



SAFETY AND SUPPLY COMPANY 5510 E. Marginal Way South, Seattle, Washington 98134, (206) 762-8500
SANDERSON SAFETY SUPPLY COMPANY 800 S.E. Hawthorne Blvd., Portland, Oregon 97214, (503) 238-5700



DUSTS, MISTS, AND FUMES, $\frac{1}{2}$ -Mask Standard Respirator

(Approved for all uses listed above. In addition, approved for use against fumes. Examples are iron, cadmium, zinc fumes from welding; melting lead, tin, etc. Used for smoke and very fine particles. Not for use with highly toxic materials.)

Willson 1211 respirator (1200-series respirator with R11 filters) for respiratory protection against dusts, fumes, and mists having a time-weighted average not less than 0.05 mg/M³, dusts and mists having a time-weighted average not less than 2 mppcf, and asbestos-containing dusts and mists. Approval TC-21C-141.

HIGHLY TOXIC DUSTS, MISTS, FUMES, $\frac{1}{2}$ -Mask Standard Respirator

(Approved for all uses listed above. In addition, approved for highly toxic materials, such as beryllium, arsenic, and radionuclides. Best quality filters available.)

Willson 1212 respirator (1200-series respirator with R12 filters) for respiratory protection against dusts, fumes, and mists having a time-weighted average less than 0.05 mg/M³, and radionuclides. Approval TC-21C-142.

Welsh 7580 respirator (with 7500-8 filters) for respiratory protection against dusts, fumes, and mists having a time-weighted average less than 0.05 mg/M³, and radionuclides. Approval TC-21C-152.

HIGHLY TOXIC DUSTS, FUMES, AND MISTS, Full-Face Respirator

(Approved for all uses listed above.)

Scott part numbers 662-1 and 662-2 respirators (with 502-R filter) for respiratory protection against dusts, fumes, and mists having a time-weighted average less than 0.05 mg/M³, and radionuclides. Approval TC-21C-149.

HIGHLY TOXIC DUSTS, FUMES, AND MISTS, Hood-Type, Self-Powered

(Approved for all uses listed above.)

3M part numbers W-250, W-252, W-253, and W-254 powered air-purifying respirators (with W-2031 filter and W-2009 back pack harness or W-2008 machine mounting) for respiratory protection against dusts, fumes, and mists having a time-weighted average less than 0.05 mg/M³ or 2 mppcf. Approval TC-21C-136.



SAFETY AND SUPPLY COMPANY 5510 E. Marginal Way South, Seattle, Washington 98134, (206) 762-8500
SANDERSON SAFETY SUPPLY COMPANY 800 S.E. Hawthorne Blvd., Portland, Oregon 97214, (503) 238-5700



ABRASIVE BLASTING, Hood, Self-Powered

(Use for sandblasting, etc. Okay for all uses listed above.)

3M part number W-251 powered air-purifying respirator (with W-2031 filter and W-2009 back pack harness or W-2008 machine mounting) for respiratory protection during abrasive blasting. Approval TC-21C-137.

Chemical-Cartridge Respirators

(This group is for protection against low concentrations of gases and vapors.)

ORGANIC VAPORS, $\frac{1}{2}$ -Mask Standard Respirator

(Use for solvents, brush painting, petroleum products, paint thinners, lacquers, etc. Not for spray painting.)

Willson 1221 respirator (1200-series respirator with R21 chemical cartridges) for respiratory protection against not more than 1,000 ppm organic vapors. Approval TC-23C-50.

Welsh Manufacturing Co. part number 7501 respirator (with part number 7500-1 cartridges) for respiratory protection against not more than 1,000 ppm organic vapors. Approval TC-23C-49.

ORGANIC VAPORS COMBINED WITH DUSTS AND MISTS

(Use where there are mixtures of organic vapors listed above and the medium toxicity dusts and mists)

Willson 122110 respirator (1200-series respirator with R21 chemical cartridges, R10 filters, and R682 filter retainers) for respiratory protection against not more than 1,000 ppm organic vapors, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-51.

Welsh 7511 respirator (with 7500-1 cartridges and 7500-6 filters) for respiratory protection against not more than 1,000 parts per million organic vapors, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-73.



SAFETY AND SUPPLY COMPANY 5510 E. Marginal Way South, Seattle, Washington 98134, (206) 762-8500
SANDERSON SAFETY SUPPLY COMPANY 800 S.E. Hawthorne Blvd., Portland, Oregon 97214, (503) 238-5700



ORGANIC VAPORS COMBINED WITH DUSTS, MISTS, AND FUMES

(Use where there are mixtures of organic vapors listed above and the medium toxicity dusts, mists and fumes.)

Willson 122113 respirator (1200-series respirator with R21 chemical cartridges and R13 filters) for respiratory protection against not more than 1,000 ppm organic vapors, dusts, fumes, and mists having a time-weighted average not less than 0.05 mg/M³, dusts and mists having a time-weighted average not less than 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-52.

SPRAY PAINTING, $\frac{1}{2}$ -Mask Standard Respirator

(Okay for use in booths, open areas, etc.)

Willson 122114 respirator (1200-series respirator with R21 chemical cartridges, R14 filters, and R683 filter retainers) for respiratory protection against mists of paints, lacquers, and enamels; not more than 1,000 ppm organic vapors; or any combination thereof. Approval TC-23C-53.

Welsh 7531 respirator (with 7500-1 cartridges and 7500-10 filters) for respiratory protection against organic vapors and paint, lacquer, and enamel mists. Approval TC-23C-75. (Limits as above.)

PESTICIDES, $\frac{1}{2}$ -Mask Standard Respirator

(Okay for use with pesticides, herbicides, etc., in open areas.)

Willson AGRI-TOX-2 respirator (1200-series respirator with R21 chemical cartridges, R15 filters, and R683 filter retainers) for respiratory protection against pesticides. Approval TC-23C-54.

Welsh 7549 respirator (with 7500-21 cartridges and 7500-23 filters) for respiratory protection against pesticides. Approval TC-23C-74.

PESTICIDES, Hood, Self-Powered

(Use same as above.)

3M W262 and W263 powered air purifying respirators (with W2031 filter and W2114 cartridge) for respiratory protection against pesticides. Approval TC-23C-78.

CHLORINE, $\frac{1}{2}$ -Mask Standard Respirator

Willson 1222 respirator (with R22 cartridges) for respiratory protection against not more than 10 parts per million chlorine. Approval TC-23C-67.



CHLORINE, Mouth Bite Type

Scott 70-CL respirator for escape only from atmospheres containing not more than 10 parts per million of chlorine gas. Approval TC-23C-55.

CHLORINE COMBINED WITH DUSTS AND MISTS, $\frac{1}{2}$ -Mask Standard Respirator

(Use where there are mixtures of chlorine gas and medium toxicity dusts and mists.)

Willson 12210 respirator (with R22 cartridges and R10 filters) for respiratory protection against not more than 10 parts per million chlorine, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-68.

AMMONIA, $\frac{1}{2}$ -Mask Standard Respirator

Willson 1224 respirator (with R24 cartridges) for respiratory protection against not more than 300 parts per million ammonia or 100 parts per million methyl amine. Approval TC-23C-70.

Welsh 7504 respirator (with 7500-4 cartridges) for respiratory protection against not more than 300 parts per million ammonia. Approval TC-23C-63.

AMMONIA COMBINED WITH DUSTS AND MISTS, $\frac{1}{2}$ -Mask Standard Respirator

(Use for mixtures.)

Willson 122410 respirator (with R24 cartridges and R10 filters) for respiratory protection against not more than 300 parts per million ammonia, 100 parts per million methyl amine, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-71.

Welsh 7514 respirator (with 7500-4 cartridges and 7500-6 filters) for respiratory protection against not more than 300 parts per million of ammonia, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-64.

METHYL AMINE

See "Ammonia" classification for Willson 1224. Also, Willson 122410 in "Ammonia, Dusts, and Mists" classification above.



SAFETY AND SUPPLY COMPANY 5510 E. Marginal Way South, Seattle, Washington 98134, (206) 762-8500
SANDERSON SAFETY SUPPLY COMPANY 800 S.E. Hawthorne Blvd., Portland, Oregon 97214, (503) 238-5700

