

POWER PLANT MATERIALS

GENERAL

1. GENERAL

1.01 This section covers a list of power plant materials (other than oils, greases, and cleaning fluids listed in Sections 065-330-102, 065-330-110, and 065-330-120, and supplements the list appearing in other power sections of the Plant Series. In general, materials are listed herein where options are involved, where materials are likely to be subject to change, where changes have been made but the work of changing all affected sections immediately is not justified, or where materials are of such a nature to be generally unobtainable in a large number of localities.

1.02 This section is reissued to change the ordering information for Neoprene gloves.

1.03 Except as covered below, authority for the use of materials listed herein shall be obtained from the individual Plant Series section applying. Where this section lists various options under a group name (see cloth, abrasive), any of the products listed under this group name are considered satisfactory for any operation for which the group name or any product under this group name has been specified in the individual power sections. Future issues of the sections will specify the group name so that supply organizations may furnish the option most advantageous from the standpoint of price, availability, etc. If one material is listed as replaced by another, eg, Red Paint #880, the man on the job may use either, ie, Red Paint #880 or the replacing material KS-6824 Sealing Compound, providing the individual power practice that specified the replaced product has not been changed to omit it. This section, however, is not authority for supply organizations to substitute.

1.04 An asterisk (*) indicates that the name listed for an item is a registered trademark of the company or corporation shown in parentheses.

1.05 Where there are options, any of which are satisfactory, the order should be worded in terms of the group name. When ordering abrasives, see 1.05.

Example: (quantity) lb, Cleaner, Soda

1.06 When ordering abrasives and there are options, any of which are satisfactory, the order should be worded in terms of the group name and the abrasive material should be specified.

Example: (quantity) ft, Cloth, Abrasive, Aluminum Oxide (no.) grade, (no.) in. wide.

Example: (quantity) sheet, Paper, Abrasive, Aluminum Oxide, (no.) grade.

1.07 Where a particular item under the group name is desired or where only one option is listed, the order should be worded in accordance with the individual item.

Example: (quantity) ft, Metalite* (Behr-Manning Division of Norton Company) on Jeans Cloth, (no.) grade, (no.) in. wide.

Example: (quantity) pair, Glove, Rubber, Acid, R-3034.

Example: (quantity) can, Safety, R-1433 (size, as 1 qt).

1.08 The ordering unit should be listed after the quantity in the order. Quantities should be in multiples of the listed units.

Example: (quantity) can, Compound, Sealing, Battery (size, as 4 oz).

Example: (quantity) lb, Compound, Sealing, Battery (size, as 1 lb).

Example: (quantity) hank, Waste, Yarn, Wool.

Example: (quantity) carton, Compound, Sealing Conduit, RM-641575 (size, as 1 lb).

2. ALPHABETICAL LIST OF MATERIALS

ABRASIVES

Compound, Grinding

Clover Grade C, Clover Manufacturing Company
(2-oz can)
For grinding engine valves.

Flexible, Abrasive, Ideal

No. 82-003

(package of 12, 5/8 by 1 by 5 in.)

No. 82-004

(package of 6, 1 by 2 by 5 in.)
Ideal Industries, Incorporated
For cleaning commutators.

Granular, Compound, Lapping

600-grain Alundum* (Norton Grinding Company)
(1-lb can).

Sheet (Cloth Backing)

Cloth, Abrasive

Aluminum oxide abrasive. Metal working.
100 grade corresponds to 2/0, 150 grade
corresponds to 4/0.

Not approved for use on the commutating
face of carbon brushes or any commutating
surface. Order length by feet and width
in even inches or by sheet (9 by 11 in.).
Specify grade.

Options

Alundum on XJ Cloth, Armour and Company
Coated Abrasive Division.

Metalite* (Behr-Manning Division of Norton
Company) on Jeans Cloth.

Three-M-ite* (Minnesota Mining and
Manufacturing Company) on Jeans Cloth.

Cloth, Crocus

Replaced by Cloth, Abrasive, 150 grade.

Cloth, Emery

Replaced by Cloth, Abrasive, 100 grade.

Sheet (Paper Backing)

**Caution: Orders must specify the abrasive
material as covered in 1.05.**

Paper, Abrasive

Aluminum oxide abrasive. Woodworking. 100
grade corresponds to 2/0, 150 grade corresponds
to 4/0. Not approved for use on the
commutating face of carbon brushes or any
commutating surface. Order by sheets (9 by
11 in.). Specify grade.

Options

Garalum Armourite on C Paper, Armour and
Company Coated Abrasive Division.

Adalox Openkote* (Behr-Manning Division of
Norton Company) on C Paper.

Production* (Minnesota Mining and Manufacturing
Company) on C Paper.

Paper, Abrasive, commercial, also known as
sandpaper.

Paper, Garnet (1/0, 2/0, 4/0, and 6/0)

Order by sheet (9 by 11 in.) or by length in
feet and width in even inches. Specify grade.

For general use. Not approved for use on
commutating face of carbon brushes or any
commutating surface.

2/0 and 6/0 grades also used for refinishing
metal-type and bentwood-type operator and
service assistant chairs.

Paper, Flint (medium, fine, and extra fine)

Order by sheet (9 by 11 in.). Specify grade.

FLINT GRADES	USAGE
Medium (corresponds to 1/0)	For rough work including first cuts on carbon brushes, where considerable material is to be removed.
Fine (corresponds to 2/0)	For general use, sanding of commutators and fitting of carbon brushes, when used for coarse cutting.
Extra Fine (corresponds to 4/0)	Generally satisfactory for final polishing of brushes and commutators, but 8/0 pouncing paper may sometimes be preferable.

Paper, Coated, Abrasive, KS-13148 L2

(package of 100, 4 1/2 by 11 in.)
For cleaning surfaces of panel dial systems commutators.

Paper, Abrasive, R-3163

(package of 100, 4 1/2 by 5 1/2 in.)
3/0-120C aluminum oxide abrasive.

Not approved for use on the commutating face of carbon brushes or any commutating surface.

Paper, Pouncing

(package of 100, 8 by 11 in.)

8/0 grade (for use when 8/0 sandpaper is specified).

Sandpaper (or cloth), commercial

See Paper, Abrasive, commercial and Paper, Pouncing.

Seater and Cleaner, Brush, No. 23-008-5

(1 1/8 by 5/8 by 4 3/4 in.)
Ideal Industries, Incorporated
For fitting brushes to a commutator.

ANTIFREEZE, ETHYLENE GLYCOL TYPE

(1-qt or 1-gal can or 55-gal drum)

For use in engine cooling systems.

Caution: *Antifreeze containing "stop-leak" additives should not be used in reserve engine cooling systems. At the time the following list was compiled, the listed products did not contain "stop-leak". The purchaser of antifreeze must assume the ultimate responsibility for ascertaining that he is receiving a product not containing "stop-leak".*

APC Permanent Antifreeze and Antirust, American Petrochemical Corporation (Tripoloil Refining Company).

Atlas Perma-Guard, Humble Oil and Refining Company.

Frigitone, Firestone Tire and Rubber Company.

Gulf Permanent Antifreeze, Gulf Oil Corporation.

Pah-nol Permanent Antifreeze, Philip A. Houghton, Incorporated.

PQ* (American Oil and Supply Company) Lubricant Antifreeze.

Prestone Antifreeze, Union Carbide Consumer Products Company, Division of Union Carbide Corporation.

Telar, E.I. duPont de Nemours and Company.

Zerex* (E.I. duPont de Nemours and Company).

ANTIRUST AND WATER PUMP LUBRICANT, NO. 7

(liquid)

E.I. duPont de Nemours and Company (12-oz can).

APRON, RUBBER, R-3043

For use in battery and countercell maintenance.

SECTION 065-370-101

CAN, KEROSENE, BLACK, AT-6078

(1, 2, or 5 gal)

CAN, SAFETY

R-1433

(1 qt)

AT-6495N

(2 or 5 gal)

Unless green color is specified in the order, red will be furnished.

For gasoline or other flammable liquids in accordance with local practice.

CASITE (Oil Additive and Tune-Up)

Casite Corporation, Hastings, Michigan (1 pt or 1 qt).

CHEESECLOTH (See Cloth, Cleaning.)

**CLEANER, ANSTAC* (Chemical Development Corporation)
2-M**

(1 qt)

For reconditioning of metal-type operator and service assistant chairs. Also used on instrument cases as antistatic protection.

CLEANER, SODA

(1 lb)

Options

Cleaner, Pyrophosphate (if available in building service supplies).

Soda, Table (bicarbonate).

Soda, Washing.

CLOTH, CLEANING

Cheesecloth, AT-6350

(7 in. by 50 yd)

For cleaning where lint is not objectionable.

Cloth, Cleaning, KS-14666

(package of 25, 18 by 18 in.)

Ivory-colored cotton twill cloth
For general cleaning.

Cloth, Dust, White, C-2-X

(bundle of 25, 36 by 36 in. or bundle of 50, 18 by 36 in.)

For cleaning where lint is not objectionable.

Cloth, Twill, Jean, KS-2423

(carton of 300, 9 by 9 in.)

White twill jean cloth
For general cleaning.

CLOTH, POLISHING, KS-14668

(package of 25, 18 by 18 in.)

Ivory-colored with black threads in the selvage and hem, impregnated, cotton twill cloth
For dusting and polishing.

COMPOUND, KS-16736 L1

(1-pt or 1-qt jar)

For cleaning copper contacts.

COMPOUND, JOINT, ELECTRICAL, ALCOA* (Aluminum Company of America) NO. 2

(8-oz plastic container)

For use in making aluminum bus-bar connections.

COMPOUND, NO-OX-ID* (Pipe Wrapping and Cover Dearborn Chemical Division) "A" R-3266

◆Order from Manns-Watts Company.

(8-oz tube)◆

For battery and bus-bar connections.

COMPOUND, SEALING, BATTERY

(2-, 4-, or 8-oz can, 1 or 5 lb)

From any approved battery supplier.

COMPOUND, SEALING, CONDUIT, RM-641575

(1-lb carton)

COMPOUND, SEALING, KS-6824

(1/2-pt can)
For preventing oil leaks.

COMPOUND, SILICONE R-3126

(2-oz tube)
For countercell connections.

Note: May be damaging to some equipment;
follow precautions.

COMPOUND, WAX, SUPERLA, KS-14688

(6-oz bottle)
For reducing surface creepage of oil.

CREAM, FINDER, WATER, NATIONAL

Metal Hose and Tubing Company, Dover, New
Jersey.

(3/4-, 2-1/2 oz, or 1-pt jar)

DETECTOR, CARBON MONOXIDE, AT-6791

(package of 10)
Stocked by Western Electric Company (WECO)
installation as R-2722

ELECTROLYTE, BATTERY

(package of 6, 1-qt containers or package of 12,
1-qt containers)
1.215 \pm 0.005 specific gravity at 60°F
(11.5 lb per gal)
1.300 \pm 0.005 specific gravity at 60°F
(12.5 lb per gal)
From any approved battery supplier.

EMULSION, CLEANING, KS-14427

(1 gal)
For reconditioning metal-type and bentwood-type
operator and service assistant chairs.

EXIDOL

Replaced by countercell oil listed in Section
065-330-101.

FUEL INHIBITOR, KS-19298 L4

(1-pt and 1-gal cans) for use in engine fuels
(kerosene and diesel only) to ensure stability
and retard tank corrosion.

GLOVE, NEOPRENE

◆The Pioneer Rubber Company,
Willard, Ohio

Style N-32
Sizes 10, 11 (pair)

Style N-31
Sizes 9, 10, 11 (pair)

Seiberling Latex Products
4500 S.E. 59 Street
Oklahoma City, Oklahoma, 73135

Style 5370
Sizes 9, 10, 11 (pair)

Style 5720
Sizes 9, 10, 11 (pair)

Edmont—Wilson
Coshocton, Ohio

Style 29—845
Sizes 9, 10, 11 (pair)

Style 29—875
Sizes 9, 10, 11 (pair)

Style 29—885
Sizes 9, 10, 11 (pair)◆

These gloves are for protection from acid and
alkaline solution during light maintenance.

They are not for protection from voltage.

GLOVE, RUBBER, ACID, R-3034

(pair)

These gloves are for protection from acid and
alkaline solution during installation and heavy
maintenance. They are not for protection from
voltage.

SECTION 065-370-101

KAR-B-OUT

Shaler Company (8 oz)
For use in reducing carbon deposits in gasoline engines. Not for use in crankcase oil.

MERCURY, COMMERCIAL

(lb)
For use in manometers.

MERCURY, REDISTILLED

Chas. Copper and Company, New York City (lb)
For use in ampere-hour meters and watt-meters.

MERCURY, TRIPLE-DISTILLED

Replaced by Mercury, Redistilled.

OIL, CELL, CEMF (See Section 065-330-101.)

PACKING, ENGINE (See engine section.)

**PACKING, WICK* (W.R. Stephens Company),
COMMERCIAL**

(2-oz ball)

PAINT, LUMISHEEN

Replaced by exhaust piping paint listed in Section AA618.401.

PAINT, RED, #880

Replaced by Compound, Sealing, KS-6824.

PAPER, CLEANING, KS-7187

(envelope of 100, 1/2 by 2 1/2 in.)
Bond paper for cleaning relay contacts.

PAPER, KS-16601 L2 AND L3

Replaced by Scott* (Scott Industrial Wipers, Goodman Wiping Cloth Company, Incorporated) paper wipers No. 580 and 590.

PAPER, LITMUS, RED

Replaced by Fisher alkacid tester. Present stocks may be used except where the particular section specifies alkacid paper.

ROD, RUBBER, BLACK, SYNTHETIC, RM-636333

(1/2 by 32 in.)
For stirring alkaline solution for countercells.

SODA, SAL

For cleaning engine cooling systems.

SODIUM HYDROXIDE, KS-14500

(6-oz or 1-lb can)
For use in making alkaline solution for countercells. Small can contains 6-oz sodium hydroxide per KS-14422 plus 1/4 gram of nickel depolarizer.

Large can contains 1 lb of sodium hydroxide plus 7/8 gram of nickel depolarizer.

SOLUTION, ALKALINE, COUNTERCELL

Replaced by Sodium Hydroxide, KS-14500.

TESTER, ALKACID

Fisher Scientific Company, Pittsburgh. For refill of tester, ribbon is available in 4-roll boxes as "Ribbon, Test, Alkacid, Roll No. 1." The Fisher tester and refills are available from the WECO and are usually carried by chemical supply houses.

TRISODIUM PHOSPHATE

For cleaning engine cooling systems and fuel tanks.

VARNISH, GLYPTOL 1202, OIL-RESISTING

(1 pt, 1 qt, 1 or 5 gal)
General Electric Company
For clear oil-resisting finish of taped cables.

WASTE, YARN WOOL, COMMERCIAL

(hank)
For waste-packed bearings.

WAX, BLACK, JOHNSON'S* (Johnson and Johnson Company)

NO. W-5016

(1 pt or 1 qt)
Electric Storage Battery Company or C & D
Batteries, Incorporated
For touch-up of rubber jar batteries.

WIPERS, PAPER, SCOTT

No. 580

(carton of 125, 9 3/8 by 10 1/4 in., 2-ply sheets)

No. 590

(carton of 125, 9 3/8 by 13 5/8 in., 2-ply sheets)

For general cleaning use where lint is not objectionable.