CA-43 CHEMICAL RESISTANCE GUIDE

Chemical and Acid-Resistant Suit

A Excellent — No attack
B Very Good — Slight attack, no penetration
C Not recommended — Severe attack and or/penetration

INORGANIC ACIDS & ACID SOLUTIONS

	23°C	66°C
Aqua Regia	C	C
Arsenic Acid Solutions	A	C
Boric Acid Solution	A	A
Bromic Acid	A	C
Chromic Acid (40%)	B	C
Fluoboric Acid	B	B
Fluosilicic Acid	A	B
Hydrobromic Acid (20%)	B	C
Hydrochloric Acid (35%)	B	C
Hydrochloric Acid (10%)	A	B
Hydrofluoric Acid (48%)	B	C
Hydrofluoric Acid (10%)	A	C
Nitric Acid (68%)	B	C
Nitric Acid (25%)	A	C
Nitric Acid (10%)	A	B
Oleum	C	C
Perchloric Acid (70%)	C	C
Perchloric Acid (10%)	A	C
Phosphoric Acid (75%)	A	C
Phosphoric Acid (10%)	A	A
Selenic Acid	A	C
Sulfuric Acid (99%)	B	C
Sulfuric Acid (50%)	B	C
Sulfuric Acid (10%)	A	A

MISCELLANEOUS COMPOUNDS

	23°C	66°C
Alums	A	C
Beer	A	-
Beet (Sugar Liquor)	A	A
Brine	A	B
Bleach (16% Chlorine)	B	C
Castor Oil	B	B
Corn Syrup	A	C
Cottonseed Oil	B	C
Fruit Pulp & Juice	A	A
Gasoline	B	C
Milk	A	A
Mineral Oil	B	C
Molasses	A	A
Photographic Chemicals	A	A
Tanning Liquors	B	C
Water (Demineralized)	A	A
Water (Sea)	A	A
Wines	A	-
Catenex T 129	A	B
Orfom F 2 Frother	B	C
Armeen HT 97	A	B
Armeen T	A	B

ALKALIES AND BASES

	23°C	66°C
Ammonium Hydroxide (10%)	A	A
Chromium Solutions	B	C
Barium Hydroxide	A	A
Calcium Hydroxide	A	A
Magnesium Hydroxide	A	A
Potassium Hydroxide (50%)	A	C
Potassium Hydroxide (10%)	A	A
Sodium Hydroxide (50%)	A	C
Sodium Hydroxide (10%)	A	A
PLATING SOLUTIONS AND SALTS		
Cadmium, Copper, Gold, Lead, Nickel, Rhodium, Silver, Tin, Zinc Solutions	B	B
Chromium Solutions	B	C

ORGANIC COMPOUNDS

	23°C	66°C
Acetic Acid (Glacial)	C	C
Acetic Acid (10%)	A	C
Allyl alcohol	B	C
Aliphatic Hydrocarbons	A	B
Amines	A	B
Benzaldehyde	C	C
Benzoic Acid	A	A
Butyl Alcohol	B	C
Butyric Acid	C	C
Carbon Disulfide	C	C
Carbon Tetrachloride	C	C
Chloroacetic Acid	C	C
Citric Acid	A	C
Cresylic Acid (50%)	A	C

	23°C	66°C
Ethyl Acetate	B	C
Ethylene Glycol	B	C
Fatty Acids	B	C
Formaldehyde	B	C
Formic Acid	A	A
Glucose	A	A
Glycerine	A	C
Glycol	B	C
Kerosene	B	C
Lactic Acid (28%)	A	C
Maleic Acid	B	C
Methyl Alcohol	B	C
M.E.K.	C	C
M.I.B.K.	C	C
Oleic Acid	B	C

	23°C	66°C
Oxalic Acid	B	C
Phenol	B	C
Phenones	A	B
Cyclohexanone	C	C
Picric Acid	B	C
Dextrose	A	A
Propyl Alcohol	B	C
Stearic Acid	B	C
Ethyl Alcohol	B	C
Tannic Acid	A	C
Tartaric Acid	A	C
Tetraethyl Lead	C	C
Turpentine	B	C
Urea	A	A
Xylene	B	C

INORGANIC SALTS & COMPOUNDS

	23°C	66°C
Aluminum Chloride	A	A
Aluminum Fluoride	A	C
Aluminum Sulfate	A	A
Ammonia (Liquid)	C	C
Ammonium Bifluoride	A	A
Ammonium Chloride	A	A
Ammonium Fluoride (25%)	A	A
Ammonium Nitrate	A	A
Ammonium Sulfate	A	A
Ammonium Sulfide	A	A
Antimony Trichloride	A	A
Barium Chloride	A	A
Barium Sulfate	A	A
Barium Sulfide	A	C
Bromine (Liquid)	C	C
Calcium Chloride	A	A
Calcium Hypochlorite (10%)	B	C
Calcium Hypochlorite (1%)	A	B
Calcium Nitrate	A	A
Calcium Sulfate	A	A
Chlorine, Water	A	A
Chlorine Dioxide(15%)	A	C

	23°C	66°C
Copper Nitrate	A	A
Ferric Chloride	A	A
Ferric Nitrate	A	A
Ferric Sulfate	A	A
Ferrous Chloride	A	A
Ferrous Sulfate	A	A
Hydrogen Peroxide (10%)	A	C
Hydrogen Peroxide (30-50%)	C	C
Iodine	C	C
Magnesium Chloride	A	A
Magnesium Sulfate	A	A
Nitrous Oxide	C	C
Ozone	A	C
Phosphorous (Yellow)	C	C
Phosphorous (Pentoxide)	C	C
Phosphorous Trichloride	C	C
Potassium Bromate	A	A
Potassium Bromide	A	A
Potassium Chlorate	A	A
Potassium Cyanide	A	A
Potassium Ferricyanide	A	A
Potassium Fluoride	A	A

	23°C	66°C
Potassium Nitrate	A	A
Bromine (Water)	A	C
Potassium Permanganate (10%)	A	B
Potassium Sulfate	A	A
Silver Nitrate	A	A
Sodium Bisulfite	A	A
Sodium Chlorate	A	A
Sodium Fluoride	A	A
Sodium Hypochlorite (10%)	B	C
Sodium Hypochlorite (1%)	A	B
Sodium Nitrate	A	A
Sodium Sulfate	A	A
Sodium Sulfide	A	B
Sodium Sulfite	A	A
Stannic Chloride	A	A
Stannous Chloride (25%)	A	C
Sulfur Dioxide (Gas)	A	C
Trisodium Phosphate	A	A
Zinc Chloride	A	A
Zinc Sulfate	A	A

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