

POŚWIADCZONE TŁUMACZENIE Z JĘZYKA ANGLIJSKIEGO



Tabela odporności chemicznej

Strona 1/5

22 lutego 2007

Odporność tworzyw sztucznych i elastomerów może być zmieniona przez obecność innych substancji chemicznych oraz innych czynników. Tabela Odporności Chemicznych powinna być traktowana, jako poradnik, a nie jako zalecenie.

**Klucz**

**Kategoria efektu chemicznego**

|  |                              |
|--|------------------------------|
|  | Brak wpływu – Doskonałe      |
|  | Niewielki wpływ – Dobrze     |
|  | Średni wpływ – Wystarczająco |
|  | Poważny wpływ – Słabo        |
|  | Nie testowano                |

**Wyjaśnienie znaków**

- Zadawalający do 22°C (72°F)
- Zadawalający do 49°C (120°F)

ABS, EPDEM, NYLON, POLIETYLEN, POLIPROPYLEN, PCV

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Acetaldehyde                       | Aldehyd octowy                      |
| Acetamide                          | Acetamid                            |
| Acetate Solvent                    | Rozpuszczalnik octowy               |
| Acetic Acid (glacial)              | Kwas octowy (skrzystalizowany)      |
| Acetic Acid (20%)                  | Kwas octowy (20%)                   |
| Acetic Acid                        | Kwas octowy                         |
| Acetic Anhydride                   | Bezwodnik octowy                    |
| Acetone                            | Aceton                              |
| Acetyl Chloride                    | Chlorek acetyl                      |
| Acetylene                          | Acetylen                            |
| Aluminium Chloride                 | Chlorek glinu                       |
| Aluminium Fluoride                 | Fluorek glinu                       |
| Aluminium Hydroxide                | Wodorotlenek glinu                  |
| Aluminium Potassium Sulfate (100%) | Siarczan potasowo-glinowy           |
| Aluminium Sulfate                  | Siarczan glinu                      |
| Amines                             | Aminy                               |
| Ammonia (10%)                      | Amoniak (10%)                       |
| Ammonia (Anhydrous)                | Amoniak (bezwodny)                  |
| Ammonia (Liquid)                   | Amoniak (ciekły)                    |
| Ammonium Bifluoride                | Wodorofluorek amonowy               |
| Ammonium Carbonate                 | Węglan amonu                        |
| Ammonium Chloride                  | Chlorek amonu                       |
| Ammonium Hydroxide                 | Wodorotlenek amonu                  |
| Ammonium Nitrate                   | Azotan amonu                        |
| Ammonium Persulfate                | Nadsiarczan amonu                   |
| Ammonium Phosphate, Dibasic        | Fosforan amonu dwuzasadowy          |
| Ammonium Phosphate, Monobasic      | Fosforan amonu jednozasadowy        |
| Ammonium Phosphate, Tribasic       | Fosforan amonu trójzasadowy         |
| Ammonium Sulfate                   | Siarczan amonu                      |
| Amyl Acetate                       | Octan amylu                         |
| Amyl Alcohol                       | Alkohol amylowy                     |
| Amyl Chloride                      | Chlorek amylu                       |
| Aniline                            | Anilina                             |
| Anti-Freeze                        | Środki niezamarzające               |
| Antimony Trichloride               | Trójchlorek antymonu                |
| Aqua Rega (80% HCl, 20% HNO3)      | Woda królewaska (80% HCl, 20% HNO3) |
| Aromatic Hydrocarbons              | Węglowodory aromatyczne             |
| Arsenic Acid                       | Kwas arsenowy                       |
| Barium Carbonate                   | Węglan baru                         |
| Barium Chloride                    | Chlorek baru                        |
| Barium Cyanide                     | cyjanek baru                        |
| Barium Hydroxide                   | wodorotlenek baru                   |
| Barium Nitrate                     | azotan baru                         |
| Barium Sulfate                     | siarczan baru                       |
| Barium Sulfide                     | Siarczek baru                       |
| Beer                               | Ciecz pofermentacyjna               |
| Beet Sugar Liquids                 | Sacharoza - płynna                  |
| Benzaldehyde                       | Aldehyd benzoowy                    |
| Benzene                            | Benzen                              |
| Benzoic Acid                       | Kwas benzoowy                       |
| Benzyl Alcohol                     | Alkohol benzylowy                   |
| Borax (Sodium Borate)              | Boraks (boran sodu)                 |
| Boric Acid                         | Kwas borny                          |
| Bromine                            | Brom                                |
| Butadiene                          | Butadien                            |
| Butane                             | Butan                               |
| Butanol                            | Butanol                             |
| Butylene                           | Buten                               |
| Butyl Acetate                      | Octan butylu                        |
| Butyric acid                       | Kwas masłowy                        |
| Calcium Bisulfide                  | Dwusiarczek wapnia                  |
| Calcium Bisulfite                  | Wodorosiarczyn wapnia               |
| Calcium Carbonate                  | Węglan wapnia                       |
| Calcium Chloride                   | Chlorek wapnia                      |
| Calcium Hydroxide                  | Wodorotlenek wapnia                 |
| Calcium Hypochlorite               | Podchloryn wapnia                   |
| Calcium Sulfate                    | Siarczan wapnia                     |
| Carbolic Acid (see Phenol)         | Fenol                               |
| Carbon Bisulfide                   | Dwusiarczek węgla                   |
| Carbon Dioxide                     | Dwutlenek węgla                     |
| Carbon Disulfide                   | Disiarczek węgla                    |
| Carbon Monoxide                    | Tlenek węgla                        |
| Carbon Tetrachloride               | Tetrachlorometan                    |
| Carbonic Water                     | Woda sodowa                         |
| Carbolic Acid                      | Kwas węglowy                        |
| Chloroacetic Acid                  | Kwas chloroacety                    |

|                                    |                                    |
|------------------------------------|------------------------------------|
| Chlorine (Anhydrous Liquid)        | Chlor (ciecz bezwodna)             |
| Chlorine (Dry)                     | Chlor (suchy)                      |
| Chlorine (Aqueous Solution)        | Chlor (roztwór wodny)              |
| Chlorobenzene (Mono)               | Chlorobenzen (mono)                |
| Chloroform                         | Chloroform                         |
| Chlorosulfonic Acid                | Kwas chlorosiarkowy                |
| Chromic Acid (5%)                  | Kwas chromowy (5%)                 |
| Chromic Acid (30%)                 | Kwas chromowy (30%)                |
| Chromic Acid (50%)                 | Kwas chromowy (50%)                |
| Citric Acid                        | Kwas cytrynowy                     |
| Clorox (Bleach)                    | Clorox (wybielacz)                 |
| Corn Oil                           | olej kukurydziany                  |
| Copper Chlorine                    | Chlorek miedzi                     |
| Copper Cyanide                     | Cyanoniedźian                      |
| Copper Nitrate                     | Azotan miedzi                      |
| Copper Sulfate (5%)                | Siarczan miedzi                    |
| Cotton Seed Oil                    | olej bawełniany                    |
| Cresosote Oil                      | olej krezotowy                     |
| Cresols                            | Krezole                            |
| Cresylic Acid                      | Kwas krezolowy                     |
| Cyclohexane                        | Cykloheksan                        |
| Detergents                         | Detergenty                         |
| Diacetone Alcohol                  | Alkohol diacetonowy                |
| Dichloroethane                     | Dichloroetan                       |
| Diesel Fuel (20, 30, 40, 50)       | Paliwo Diesel (20, 30, 40, 50)     |
| Diethylamine                       | Dietyloamina                       |
| Diethylene Glycol                  | Glikol dietylenowy                 |
| Epsom Salts (Magnesium Sulfate)    | Sól z Epsom (sól kwasu siarkowego) |
| Ethane                             | Etan                               |
| Ethanol                            | Etanol                             |
| Ethanolamine                       | Etanoloamina                       |
| Ether                              | Eter                               |
| Ethyl Acetate                      | Octan etylu                        |
| Ethyl Chloride                     | Chlorek etylu                      |
| Ethylene Chloride                  | Chlorek etylu                      |
| Ethylene Dchloride                 | Dichloroeten                       |
| Ethylene Glycol                    | Glikol etylenowy                   |
| Ethylene Oxide                     | Tlenek etylenu                     |
| Fatty Acids                        | Kwasy tłuszczowe                   |
| Ferric Chloride                    | Chlorek żelaza                     |
| Ferric Nitrate                     | Azotan żelaza                      |
| Ferric Sulfate                     | Siarczan żelaza(III)               |
| Ferrous Chloride                   | Chlorek żelaza                     |
| Ferrous Sulfate                    | Siarczan(II) żelaza(II)            |
| Fluoboric Acid                     | Kwas tetrafluoroborowy             |
| Fluorine                           | Fluor                              |
| Fluosilicic Acid                   | Kwas fluorosiarkowy                |
| Formaldehyde (40%)                 | Formaldehyd (40%)                  |
| Formaldehyde(100%)                 | Formaldehyd (100%)                 |
| Formic Acid                        | Kwas mrówkowy                      |
| Freon 12 (dichlorodifluoromethane) | Freon 12 (Dichlorodifluorometan)   |
| Freon 13 (Chlorotrifluoromethane)  | Freon 13 (Chlorotrifluorometan)    |
| Fuel Oils (1, 2, 3, 5A, 5B, 6)     | olej napędowy (1, 2, 3, 5A, 5B, 6) |
| Furan Resin                        | Zywica furanowa                    |
| Furfural                           | Furfural                           |
| Galic Acid                         | Kwas galusowy                      |
| Gasoline                           | Benzyna                            |
| Glucose                            | Glukoza                            |
| Glycerin                           | Gliceryna                          |
| Glycolic Acid                      | Kwas glikolowy                     |
| Heptane                            | Heptan                             |
| Hexane                             | Hexan                              |
| Hexanol                            | Hexanol                            |
| Hydraulic oil (Petro)              | olej hydrauliczny (petro)          |
| Hydraulic Oil (Synthetic)          | olej hydrauliczny (Syntetyczny)    |
| Hydrobromic Acid (20%)             | Kwas bromowodorowy (20%)           |
| Hydrobromic Acid (100%)            | Kwas bromowodorowy (20%)           |
| Hydrochloric Acid (Dry Gas)        | Kwas solny (Suchy)                 |
| Hydrochloric Acid (20%)            | Kwas solny (20%)                   |
| Hydrochloric Acid (37%)            | Kwas solny (37%)                   |
| Hydrochloric Acid (100%)           | Kwas solny (100%)                  |
| Hydrocyanic Acid                   | Cyanowodor                         |
| Hydrocyanic Acid (gas 10%)         | Cyanowodor (gaz 10%)               |
| Hydrofluoric Acid (20%)            | Kwas fluorowodorowy (20%)          |
| Hydrofluoric Acid (100%)           | Kwas fluorowodorowy (100%)         |
| Hydrofluosilicic Acid (20%)        | Kwas sześciofluorosiarkowy (20%)   |



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**Wyjaśnienie znaków**

- Zadowalający do 22°C (72°F)
- Zadowalający do 49°C (120°F)

**ABS, EPDEM, NYLON, POLIETYLEN, POLIPROPYLEN, PCV**

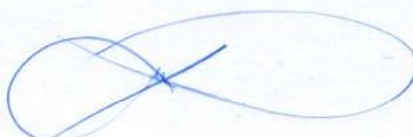
|                              |  |
|------------------------------|--|
| Hydrofluosilicic Acid (100%) | Kwas sześciofluorkrzemowy (100%)             |
| Hydrogen Gas                 | Wodór  |
| Hydrogen Peroxide (50%)      | Nadtlenek wodoru (50%)                       |
| Hydrogen Peroxide (100%)     | Nadtlenek wodoru (100%)                      |
| Hydrogen Sulfide (Aqua)      | Siarkowodor (woda)                           |
| Hydrogen Sulfide (Dry)       | Oksydan (suchy)                              |
| Hydroxyacetic Acid (70%)     | Kwas hydroksyoctowy (70%)                    |
| Iodyne                       | Jodyna                                       |
| Isobutanol                   | Izobutanol                                   |
| Isopropanol                  | Izopropanol                                  |
| Isopropyl Acetate            | Octan izopropylu                             |
| Isopropyl Ether              | Eter izopropylowy                            |
| Jet Fuel (JP3, -4, -5)       | Paliwo do silników odrzutowych (JP3, -4, -5) |
| Kerosene                     | Nafta  |
| Ketones                      | Ketony                                       |
| Lacquers                     | Lakiery                                      |
| Lacquer Thinners             | Rozpuszczalnik do lakieru                    |
| Lactic Acid                  | Kwas mlekowy                                 |
| Lard                         | Smalec                                       |
| Lead Acetate                 | Octan ołowiu                                 |
| Lead Sulfamate               | Sulfaminian ołowiu                           |
| Lime                         | Wapno  |
| Linseed Oil                  | olej lmany                                   |
| Lubricants                   | Smary  |
| Magnesium Carbonate          | Węgiel magnezu                               |
| Magnesium Chloride           | Chlorek magnezu                              |
| Magnesium Hydroxide          | Wodorotlenek magnezu                         |
| Magnesium Nitrate            | Azotan magnezu                               |
| Magnesium Sulfate            | Siarczan magnezu                             |
| Maleic Acid                  | Kwas maleinowy                               |
| Malic Acid                   | Kwas jabłkowy                                |
| Mercuric Chloride (dilute)   | Chlorek rtęci (rozcieńczony)                 |
| Mercuric Cyanide             | Cyjanek rtęci                                |
| Mercury                      | Rtęć   |
| Methanol (Methyl Alcohol)    | Metanol (alkohol metylowy)                   |
| Methyl Alcohol (10%)         | Alkohol metylowy (10%)                       |
| Methyl Acetate               | Octan metylu                                 |
| Methyl Bromide               | Bromek metylu                                |
| Methyl Butyl Ketone          | Keton metylowo-butyłowy                      |
| Methyl Cellosolve            | 2-Methoxyethanol                             |
| Methyl Chloride              | Chlorek metylu                               |
| Methyl Dichloride            | Dichlorometan                                |
| Methyl Ethyl Ketone          | Keton etylowometylowy                        |
| Methyl Isobutyl Ketone       | Keton metylowo-izobutyłowy                   |
| Methylene Chloride           | Chlorek metylenu                             |
| Milk                         | Mleko  |
| Mineral Oil                  | olej mineralny                               |
| Molasses                     | Melasa                                       |
| Naphtha                      | Benzyna ciężka                               |
| Naphtalene                   | Naftalen                                     |
| Nickel Chloride              | Chlorek niklu                                |
| Nickel Sulfate               | Siarczan niklu                               |
| Nitric Acid (5% - 10%)       | Kwas azotowy (5% - 10%)                      |
| Nitric Acid (20%)            | Kwas azotowy (20%)                           |
| Nitric Acid (50%)            | Kwas azotowy (50%)                           |
| Nitric Acid (Concentrated)   | Kwas azotowy (stężony)                       |
| Nitrobenzene                 | Nitrobenzen                                  |
| Octyl Alcohol                | Oktaol                                       |
| Oleic Acid                   | Kwas oleinowy                                |
| Oleum (25%)                  | Oleum (25%)                                  |
| Oleum (100%)                 | Oleum (100%)                                 |
| Olive Oil                    | Oliva z oliwek                               |
| Oxalic Acid (cold)           | Kwas szczawowy (zimny)                       |
| Paraffin                     | Parafina                                     |
| Pentane                      | Pentan                                       |
| Perchloroethylene            | Perchloroetylen                              |
| Petrolatum                   | Wazelina                                     |
| Phenol (10%)                 | Fenol (10%)                                  |
| Phenol (Carbolic Acid)       | Fenol  |
| Phosphoric Acid (<40%)       | Kwas fosforowy (<40%)                        |
| Phosphoric Acid (>40%)       | Kwas fosforowy (>40%)                        |
| Phosphoric Acid (Crude)      | Kwas fosforowy (zanieczyszczony)             |
| Photographic Developer       | Wywoływacz fotograficzny                     |
| Picric Acid                  | Kwas pikrynowy                               |
| Pine Oil                     | olej sosnowy                                 |

|                                      |  |
|--------------------------------------|--|
| Potash                               | Potaz                                  |
| Potassium Bicarbonate                | Wodorowęglan potasu                    |
| Potassium Bromide                    | Bromek potasu                          |
| Potassium Carbonate                  | Węgiel potasu                          |
| Potassium Chlorate                   | chloran potasu                         |
| Potassium Chloride                   | Chlorek potasu                         |
| Potassium Chromate                   | Chromian potasu                        |
| Potassium Cyanide Solutions          | Roztwór cyjanku potasu                 |
| Potassium Dichromate                 | Dwuchromian potasu                     |
| Potassium Ferrocyanide               | Żelazocyjanek potasu                   |
| Potassium Hydroxide (Caustic Potash) | Wodorotlenek potasu (potaz kaustyczny) |
| Potassium Nitrate                    | Azotan potasu                          |
| Potassium Permanganate               | Nadmanganian potasu                    |
| Potassium Sulfate                    | Siarczan potasu                        |
| Potassium Sulfide                    | Siarczek potasu                        |
| Propane (Liquified)                  | Propan (skroplony)                     |
| Propanol                             | Propanol                               |
| Propylene Glycol                     | Glikol propylenowy                     |
| Pyridine                             | Pirydyna                               |
| Pyrogalllic Acid                     | Pirogalol                              |
| Rosins                               | Kalafonia                              |
| Sea Water                            | Woda morską                            |
| Silicone                             | Silikon                                |
| Silver Nitrate                       | Azotan srebra                          |
| Soap Solutions                       | Roztwór mydła                          |
| Sodium Acetate                       | Octan sodu                             |
| Sodium Bicarbonate                   | Wodorowęglan sodu                      |
| Sodium Bisulfate                     | Wodorosiarczan (VI) sodu               |
| Sodium Bisulfite                     | Wodorosiarczan (IV) sodu               |
| Sodium Borate                        | Boran sodu                             |
| Sodium Carbonate                     | Węgiel sodu                            |
| Sodium Chlorate                      | Chloran sodu                           |
| Sodium Chloride                      | Chlorek sodu                           |
| Sodium Cyanide                       | Cyjanek sodu                           |
| Sodium Fluoride                      | Fluorek sodu                           |
| Sodium Hydroxide (20%)               | Wodorotlenek sodu (20%)                |
| Sodium Hydroxide (50%)               | Wodorotlenek sodu (50%)                |
| Sodium Hydroxide (80%)               | Wodorotlenek sodu (80%)                |
| Sodium Hypochlorite                  | Podchloryn sodu (< 20%)                |
| Sodium Hypochlorite                  | Podchloryn sodu (100%)                 |
| Sodium Metaphosphate                 | Metafosforan sodu                      |
| Sodium Metasilicate                  | Meta krzemian sodu                     |
| Sodium Nitrate                       | Azotan sodu                            |
| Sodium Perborate                     | Nadtlenoboran sodu                     |
| Sodium Polyphosphate                 | Polifosforan sodu                      |
| Sodium Silicate                      | Krzemian sodu                          |
| Sodium Sulfate                       | Siarczan sodu                          |
| Sodium Sulfide                       | Siarczek sodu                          |
| Sodium Tetraborate                   | Tetraboran sodu                        |
| Sodium Thiosulfate (Hypso)           | Tiosiarczan sodu (Hypso)               |
| Soybean Oil                          | olej sojowy                            |
| Stannic Chloride                     | Chlorek cyny (IV)                      |
| Stannous Chloride                    | Chlorek cyny (II)                      |
| Sulfur Dioxide                       | Dwutlenek siarki                       |
| Sulfur Dioxide (Dry)                 | Dwutlenek siarki (suchy)               |
| Sulfur Trioxide (Dry)                | Trojtlenek siarki (suchy)              |
| Sulfuric Acid (< 10%)                | Kwas siarkowy (< 10%)                  |
| Sulfuric Acid (10 - 75%)             | Kwas siarkowy (10 - 75%)               |
| Sulfurous Acid                       | Kwas siarkowy (IV)                     |
| Tannic Acid                          | Kwas taninowy                          |
| Tanning Liquors                      | Brzecz/ka garbująca                    |
| Tartaric Acid                        | Kwas winowy                            |
| Tomato Juice                         | Sok pomidorowy                         |
| Turbine Oil                          | olej turbinowy                         |
| Urine                                | Mocz                                   |
| Vinegar                              | Ocet                                   |
| Water, Acid, Mine                    | Woda, kwasowa, mineralna               |
| Water, Distilled                     | Woda destylowana                       |
| Water, Fresh                         | Woda, świeża                           |
| Water, Salt                          | Woda słona                             |
| Whiskey and Wines                    | Whiskey i wina                         |
| White Liquor (Pulp Mill)             | Lug biały (celulozownia)               |
| Xylene                               | Ksilen                                 |
| Zinc Chloride                        | Chlorek cynku                          |
| Zinc Sulfate                         | Siarczan cynku                         |



|                                     | ABS | EPDM | NYLON | POLYETHYLENE | POLYPROPYLENE | PVC |                                      | ABS | EPDM | NYLON | POLYETHYLENE | POLYPROPYLENE | PVC |
|-------------------------------------|-----|------|-------|--------------|---------------|-----|--------------------------------------|-----|------|-------|--------------|---------------|-----|
| Hydrofluosilic Acid (100%)          |     |      |       |              |               |     | Potash                               |     |      |       |              |               |     |
| Hydrogen Gas                        |     |      |       |              |               |     | Potassium Bicarbonate                |     |      |       |              |               |     |
| Hydrogen Peroxide (50%)             |     |      |       |              |               |     | Potassium Bromide                    |     |      |       |              |               |     |
| Hydrogen Peroxide (100%)            |     |      |       |              |               |     | Potassium Carbonate                  |     |      |       |              |               |     |
| Hydrogen Sulfide (aqua)             |     |      |       |              |               |     | Potassium Chlorate                   |     |      |       |              |               |     |
| Hydrogen Sulfide (dry)              |     |      |       |              |               |     | Potassium Chloride                   |     |      |       |              |               |     |
| Hydroxyacetic Acid (70%)            |     |      |       |              |               |     | Potassium Chromate                   |     |      |       |              |               |     |
| Iodine                              |     |      |       |              |               |     | Potassium Cyanide Solutions          |     |      |       |              |               |     |
| Isobutanol                          |     |      |       |              |               |     | Potassium Dichromate                 |     |      |       |              |               |     |
| Isopropanol                         |     |      |       |              |               |     | Potassium Ferrocyanide               |     |      |       |              |               |     |
| Isopropyl Acetate                   |     |      |       |              |               |     | Potassium Hydroxide (Caustic Potash) |     |      |       |              |               |     |
| Isopropyl Ether                     |     |      |       |              |               |     | Potassium Nitrate                    |     |      |       |              |               |     |
| Jet Fuel (JP <sub>1</sub> , -4, -5) |     |      |       |              |               |     | Potassium Permanganate               |     |      |       |              |               |     |
| Kerosene                            |     |      |       |              |               |     | Potassium Sulfate                    |     |      |       |              |               |     |
| Ketones                             |     |      |       |              |               |     | Potassium Sulfide                    |     |      |       |              |               |     |
| Lacquers                            |     |      |       |              |               |     | Propane (Liquified)                  |     |      |       |              |               |     |
| Lacquer Thinners                    |     |      |       |              |               |     | Propanol                             |     |      |       |              |               |     |
| Lactic Acid                         |     |      |       |              |               |     | Propylene Glycol                     |     |      |       |              |               |     |
| Lard                                |     |      |       |              |               |     | Pyridine                             |     |      |       |              |               |     |
| Lead Acetate                        |     |      |       |              |               |     | Pyrogallic Acid                      |     |      |       |              |               |     |
| Lead Sulfamate                      |     |      |       |              |               |     | Rosins                               |     |      |       |              |               |     |
| Lime                                |     |      |       |              |               |     | Sea Water                            |     |      |       |              |               |     |
| Linseed Oil                         |     |      |       |              |               |     | Silicone                             |     |      |       |              |               |     |
| Lubricants                          |     |      |       |              |               |     | Silver Nitrate                       |     |      |       |              |               |     |
| Magnesium Carbonate                 |     |      |       |              |               |     | Soap Solutions                       |     |      |       |              |               |     |
| Magnesium Chloride                  |     |      |       |              |               |     | Sodium Acetate                       |     |      |       |              |               |     |
| Magnesium Hydroxide                 |     |      |       |              |               |     | Sodium Bicarbonate                   |     |      |       |              |               |     |
| Magnesium Nitrate                   |     |      |       |              |               |     | Sodium Bisulfate                     |     |      |       |              |               |     |
| Magnesium Sulfate                   |     |      |       |              |               |     | Sodium Bisulfite                     |     |      |       |              |               |     |
| Maleic Acid                         |     |      |       |              |               |     | Sodium Borate                        |     |      |       |              |               |     |
| Maic Acid                           |     |      |       |              |               |     | Sodium Carbonate                     |     |      |       |              |               |     |
| Mercuric Chloride (dilute)          |     |      |       |              |               |     | Sodium Chloride                      |     |      |       |              |               |     |
| Mercuric Cyanide                    |     |      |       |              |               |     | Sodium Chlorate                      |     |      |       |              |               |     |
| Mercury                             |     |      |       |              |               |     | Sodium Chloride                      |     |      |       |              |               |     |
| Methanol (Methyl Alcohol)           |     |      |       |              |               |     | Sodium Cyanide                       |     |      |       |              |               |     |
| Methyl Alcohol (10%)                |     |      |       |              |               |     | Sodium Fluoride                      |     |      |       |              |               |     |
| Methyl Acetate                      |     |      |       |              |               |     | Sodium Hydroxide (20%)               |     |      |       |              |               |     |
| Methyl Bromide                      |     |      |       |              |               |     | Sodium Hydroxide (50%)               |     |      |       |              |               |     |
| Methyl Butyl Ketone                 |     |      |       |              |               |     | Sodium Hydroxide (80%)               |     |      |       |              |               |     |
| Methyl Cellosolve                   |     |      |       |              |               |     | Sodium Hypochlorite (<20%)           |     |      |       |              |               |     |
| Methyl Chloride                     |     |      |       |              |               |     | Sodium Hypochlorite (100%)           |     |      |       |              |               |     |
| Methyl Dichloride                   |     |      |       |              |               |     | Sodium Metaphosphate                 |     |      |       |              |               |     |
| Methyl Ethyl Ketone                 |     |      |       |              |               |     | Sodium Metasilicate                  |     |      |       |              |               |     |
| Methyl Isobutyl Ketone              |     |      |       |              |               |     | Sodium Nitrate                       |     |      |       |              |               |     |
| Methylene Chloride                  |     |      |       |              |               |     | Sodium Parborate                     |     |      |       |              |               |     |
| Milk                                |     |      |       |              |               |     | Sodium Polyphosphate                 |     |      |       |              |               |     |
| Mineral Oil                         |     |      |       |              |               |     | Sodium Silicate                      |     |      |       |              |               |     |
| Molasses                            |     |      |       |              |               |     | Sodium sulfate                       |     |      |       |              |               |     |
| Naphta                              |     |      |       |              |               |     | Sodium sulfide                       |     |      |       |              |               |     |
| Naphtalene                          |     |      |       |              |               |     | Sodium Sulfite                       |     |      |       |              |               |     |
| Nickel Chloride                     |     |      |       |              |               |     | Sodium Tetraborate                   |     |      |       |              |               |     |
| Nickel Sulfate                      |     |      |       |              |               |     | Sodium Thiosulfate (Hypro)           |     |      |       |              |               |     |
| Nitric Acid (5-10%)                 |     |      |       |              |               |     | Soybean Oil                          |     |      |       |              |               |     |
| Nitric Acid (20%)                   |     |      |       |              |               |     | Stannic Chloride                     |     |      |       |              |               |     |
| Nitric Acid (50%)                   |     |      |       |              |               |     | Stannous Chloride                    |     |      |       |              |               |     |
| Nitric Acid (Concentrated)          |     |      |       |              |               |     | Sulfur Dioxide                       |     |      |       |              |               |     |
| Nitrobenzene                        |     |      |       |              |               |     | Sulfur Dioxide (Dry)                 |     |      |       |              |               |     |
| Octyl Alcohol                       |     |      |       |              |               |     | Sulfur Trioxide (Dry)                |     |      |       |              |               |     |
| Oleic Acid                          |     |      |       |              |               |     | Sulfuric Acid (<10%)                 |     |      |       |              |               |     |
| Oleum (25%)                         |     |      |       |              |               |     | Sulfuric Acid (10-75%)               |     |      |       |              |               |     |
| Oleum (100%)                        |     |      |       |              |               |     | Sulfurous Acid                       |     |      |       |              |               |     |
| Olive Oil                           |     |      |       |              |               |     | Tannic Acid                          |     |      |       |              |               |     |
| Oxalic Acid (cold)                  |     |      |       |              |               |     | Tanning Liquors                      |     |      |       |              |               |     |
| Paraffin                            |     |      |       |              |               |     | Tartaric Acid                        |     |      |       |              |               |     |
| Pentane                             |     |      |       |              |               |     | Tomato Juice                         |     |      |       |              |               |     |
| Perchloroethylene                   |     |      |       |              |               |     | Turbine Oil                          |     |      |       |              |               |     |
| Petrolatum                          |     |      |       |              |               |     | Urine                                |     |      |       |              |               |     |
| Phenol (10%)                        |     |      |       |              |               |     | Vinegar                              |     |      |       |              |               |     |
| Phenol (Carboic Acid)               |     |      |       |              |               |     | Water, Acid, Mine                    |     |      |       |              |               |     |
| Phosphoric Acid (<40%)              |     |      |       |              |               |     | Water, Distilled                     |     |      |       |              |               |     |
| Phosphoric Acid (>40%)              |     |      |       |              |               |     | Water, Fresh                         |     |      |       |              |               |     |
| Phosphoric Acid (Crude)             |     |      |       |              |               |     | Water, Salt                          |     |      |       |              |               |     |
| Photographic Developer              |     |      |       |              |               |     | Whiskey and Wines                    |     |      |       |              |               |     |
| Picric Acid                         |     |      |       |              |               |     | White Liquor (Pulp Mill)             |     |      |       |              |               |     |
| Pine Oil                            |     |      |       |              |               |     | Xylene                               |     |      |       |              |               |     |
|                                     |     |      |       |              |               |     | Zinc Chloride                        |     |      |       |              |               |     |
|                                     |     |      |       |              |               |     | Zinc Sulfate                         |     |      |       |              |               |     |

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|  | ABS | EPDM | NYLON | POLYETHYLENE | POLYPROPYLENE | PVC |                                    | ABS | EPDM | NYLON | POLYETHYLENE | POLYPROPYLENE | PVC |
|--|-----|------|-------|--------------|---------------|-----|------------------------------------|-----|------|-------|--------------|---------------|-----|
| Acetaldehyde                               |     |      |       |              |               |     | Chlorine (Anhydrous Liquid)        |     |      |       |              |               |     |
| Acetamide                                  |     |      |       |              |               |     | Chlorine (Dry)                     |     |      |       |              |               |     |
| Acetate Solvent                            |     |      |       |              |               |     | Chlorine (Aqueous Solution)        |     |      |       |              |               |     |
| Acetic Acid (Glacial)                      |     |      |       |              |               |     | Chlorobenzene (Mono)               |     |      |       |              |               |     |
| Acetic acid (20%)                          |     |      |       |              |               |     | Chloroform                         |     |      |       |              |               |     |
| Acetic Acid                                |     |      |       |              |               |     | Chlorosulfonic Acid                |     |      |       |              |               |     |
| Acetic Anhydride                           |     |      |       |              |               |     | Chromic Acid (5%)                  |     |      |       |              |               |     |
| Acetone                                    |     |      |       |              |               |     | Chromic Acid (30%)                 |     |      |       |              |               |     |
| Acetyl Chloride (Dry)                      |     |      |       |              |               |     | Chromic Acid (50%)                 |     |      |       |              |               |     |
| Acetylene                                  |     |      |       |              |               |     | Citric Acid                        |     |      |       |              |               |     |
| Aluminium Chloride                         |     |      |       |              |               |     | Clorox (Bleach)                    |     |      |       |              |               |     |
| Aluminium Fluoride                         |     |      |       |              |               |     | Corn Oil                           |     |      |       |              |               |     |
| Aluminium Hydroxide                        |     |      |       |              |               |     | Copper Chloride                    |     |      |       |              |               |     |
| Aluminium Potassium Sulfate (100%)         |     |      |       |              |               |     | Copper Cyanide                     |     |      |       |              |               |     |
| Aluminium Sulfate                          |     |      |       |              |               |     | Copper Nitrate                     |     |      |       |              |               |     |
| Amines                                     |     |      |       |              |               |     | Copper Sulfate (5%)                |     |      |       |              |               |     |
| Ammonia (10%)                              |     |      |       |              |               |     | Cotton Seed Oil                    |     |      |       |              |               |     |
| Ammonia (Anhydrous)                        |     |      |       |              |               |     | Cresote Oil                        |     |      |       |              |               |     |
| Ammonia (Liquid)                           |     |      |       |              |               |     | Cresols                            |     |      |       |              |               |     |
| Ammonium Bifluoride                        |     |      |       |              |               |     | Cresylic Acid                      |     |      |       |              |               |     |
| Ammonium Carbonate                         |     |      |       |              |               |     | Cyclohexane                        |     |      |       |              |               |     |
| Ammonium Chloride                          |     |      |       |              |               |     | Detergents                         |     |      |       |              |               |     |
| Ammonium Hydroxide                         |     |      |       |              |               |     | Diacetone Alcohol                  |     |      |       |              |               |     |
| Ammonium Nitrate                           |     |      |       |              |               |     | Dichloroethane                     |     |      |       |              |               |     |
| Ammonium Persulfate                        |     |      |       |              |               |     | Diesel Fuel (20, 30, 40, 50)       |     |      |       |              |               |     |
| Ammonium Phosphate, Dibasic                |     |      |       |              |               |     | Diethylamine                       |     |      |       |              |               |     |
| Ammonium Phosphate, Monobasic              |     |      |       |              |               |     | Diethylene Glycol                  |     |      |       |              |               |     |
| Ammonium Phosphate, Tribasic               |     |      |       |              |               |     | Epsom Salts (Magnesium Sulfate)    |     |      |       |              |               |     |
| Ammonium Sulfate                           |     |      |       |              |               |     | Ethane                             |     |      |       |              |               |     |
| Amyl Acetate                               |     |      |       |              |               |     | Ethanol                            |     |      |       |              |               |     |
| Amyl Alcohol                               |     |      |       |              |               |     | Ethanolamine                       |     |      |       |              |               |     |
| Amyl Chloride                              |     |      |       |              |               |     | Ether                              |     |      |       |              |               |     |
| Aniline                                    |     |      |       |              |               |     | Ethyl Acetate                      |     |      |       |              |               |     |
| Anti-Freeze                                |     |      |       |              |               |     | Ethyl Chloride                     |     |      |       |              |               |     |
| Antimony Trichloride                       |     |      |       |              |               |     | Ethylene Chloride                  |     |      |       |              |               |     |
| Aqua Rega (80% HCl, 20% HNO <sub>3</sub> ) |     |      |       |              |               |     | Ethylene Glycol                    |     |      |       |              |               |     |
| Aromatic Hydrocarbons                      |     |      |       |              |               |     | Ethylene Oxide                     |     |      |       |              |               |     |
| Arsenic acid                               |     |      |       |              |               |     | Fatty Acids                        |     |      |       |              |               |     |
| Barium Carbonate                           |     |      |       |              |               |     | Ferrous Chloride                   |     |      |       |              |               |     |
| Barium Chloride                            |     |      |       |              |               |     | Ferrous Sulfate                    |     |      |       |              |               |     |
| Barium Cyanide                             |     |      |       |              |               |     | Fluoboric acid                     |     |      |       |              |               |     |
| Barium Hydroxide                           |     |      |       |              |               |     | Fluorine                           |     |      |       |              |               |     |
| Barium Nitrate                             |     |      |       |              |               |     | Fluosilicic Acid                   |     |      |       |              |               |     |
| Barium Sulfate                             |     |      |       |              |               |     | Formaldehyde (40%)                 |     |      |       |              |               |     |
| Barium Sulfide                             |     |      |       |              |               |     | Formaldehyde (100%)                |     |      |       |              |               |     |
| Beer                                       |     |      |       |              |               |     | Formic acid                        |     |      |       |              |               |     |
| Beet Sugar Liquids                         |     |      |       |              |               |     | Freon 12 (Dichlorodifluoromethane) |     |      |       |              |               |     |
| Benzaldehyde                               |     |      |       |              |               |     | Freon 13 (Chlorotrifluoromethane)  |     |      |       |              |               |     |
| Benzene                                    |     |      |       |              |               |     | Fuel Oils (1, 2, 3, 5A, 5B, 6)     |     |      |       |              |               |     |
| Benzoic Acid                               |     |      |       |              |               |     | Furan Resin                        |     |      |       |              |               |     |
| Benzyl Alcohol                             |     |      |       |              |               |     | Furfural                           |     |      |       |              |               |     |
| Borax (Sodium Borate)                      |     |      |       |              |               |     | Gallic Acid                        |     |      |       |              |               |     |
| Boric Acid                                 |     |      |       |              |               |     | Gasoline                           |     |      |       |              |               |     |
| Bromine                                    |     |      |       |              |               |     | Glucose                            |     |      |       |              |               |     |
| Butadiene                                  |     |      |       |              |               |     | Glucenn                            |     |      |       |              |               |     |
| Butane                                     |     |      |       |              |               |     | Glycolic Acid                      |     |      |       |              |               |     |
| Butanol (Butyl Alcohol)                    |     |      |       |              |               |     | Heptane                            |     |      |       |              |               |     |
| Butylene                                   |     |      |       |              |               |     | Hexane                             |     |      |       |              |               |     |
| Butyl Acetate                              |     |      |       |              |               |     | Hexanol                            |     |      |       |              |               |     |
| Butyric Acid                               |     |      |       |              |               |     | Hydraulic oil (Petro)              |     |      |       |              |               |     |
| Calcium Bisulfide                          |     |      |       |              |               |     | Hydraulic Oil (Synthetic)          |     |      |       |              |               |     |
| Calcium Bisulfite                          |     |      |       |              |               |     | Hydrobromic Acid (20%)             |     |      |       |              |               |     |
| Calcium Carbonate                          |     |      |       |              |               |     | Hydrobromic Acid (100%)            |     |      |       |              |               |     |
| Calcium Chloride                           |     |      |       |              |               |     | Hydrochloric Acid (Dry Gas)        |     |      |       |              |               |     |
| Calcium Hydroxide                          |     |      |       |              |               |     | Hydrochloric Acid (20%)            |     |      |       |              |               |     |
| Calcium Hypochlorite                       |     |      |       |              |               |     | Hydrochloric Acid (37%)            |     |      |       |              |               |     |
| Calcium Sulfate                            |     |      |       |              |               |     | Hydrochloric Acid (100%)           |     |      |       |              |               |     |
| Carbolic Acid (see Phenol)                 |     |      |       |              |               |     | Hydrocyanic Acid                   |     |      |       |              |               |     |
| Carbon Bisulfide                           |     |      |       |              |               |     | Hydrocyanic Acid (gas 10%)         |     |      |       |              |               |     |
| Carbon Dioxide                             |     |      |       |              |               |     | Hydrofluoric Acid (20%)            |     |      |       |              |               |     |
| Carbon Disulfide                           |     |      |       |              |               |     | Hydrofluoric Acid (100%)           |     |      |       |              |               |     |
| Carbon Monoxide                            |     |      |       |              |               |     | Hydrofluosilicic Acid (20%)        |     |      |       |              |               |     |
| Carbon Tetrachloride                       |     |      |       |              |               |     |                                    |     |      |       |              |               |     |
| Carbonated Water                           |     |      |       |              |               |     |                                    |     |      |       |              |               |     |
| Carbonic Acid                              |     |      |       |              |               |     |                                    |     |      |       |              |               |     |
| Chloroacetic acid                          |     |      |       |              |               |     |                                    |     |      |       |              |               |     |

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*Uwaga tłumacza: Tabele na stornach 3 i 4 tłumaczenie przywołano z oryginału dokumentu.*

Ja, mgr **Krzysztof Pasiewicz**, tłumacz przysięgły języka angielskiego, TP/209/05, zaświadczam zgodność niniejszego tłumaczenia z okazanym mi dokumentem w języku angielskim. Niniejszy dokument został sporządzony bez żadnych poprawek i uzupełnień.  
Bydgoszcz, dnia **12 lipca 2011**, nr repertorium **1329/11**

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A handwritten signature in blue ink, consisting of a stylized, cursive script.

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