



# ECODUR 201 Chemical Compatibility Chart

## ECODUR 201 (Natural White) Chemical Compatibility Chart ASTM D543-06 (modified)

| Chemical Description                               | Rating |
|--|--------|
| 10% Phosphoric Acid @ 170F                         | D      |
| 10W30 Motor Oil (Quaker State)                     | A      |
| 1,3,5-Triazinane-2,4,6-trione (Cyanuric acid)      | A      |
| 2-Butoxyethanol (EGBE)                             | C      |
| 2,2-dibromo-2-cyanoacetamide 30%                   | A      |
| 2,2 methyliminodiethanol; N-dimethyldiethanolamine | A      |
| 2,3-dihydroxybutanedioic acid (Tartaric acid)      | B      |
| 4-Methyl-2-pentanone (MIK)                         | C      |
| 4,5-dichloro-2-octyl-isothiazolone 0.75%           | A      |
| 45% Ammonia/35% Urea 20% water [UAE32 and 18]      | A      |
| Acetic Acid 5% concentration                       | A      |
| Acetic Acid 15% concentration                      | A      |
| Acetic Acid 30% concentration                      | A      |
| Acetone (100%)                                     | C      |
| Adipic Acid  | B      |
| Aluminum Sulfate                                   | A      |
| Ammonia 29%  | A      |
| Ammonium Hydroxide (Ammonia) 5-10% concentration   | A      |
| Ammonium Nitrate 25%                               | A      |
| Ammonium Nitrate 50%                               | A      |
| Ammonium Sulfate 50%                               | A      |
| Benzene  | D      |
| Boric @ 160F (Agrathane and Ecodur)                | D      |
| Butyl Acetate                                      | A      |

V8.0

LAST UPDATED: 07/06/2022

### A - Excellent

Shows little or no effect after exposure.

### B - Fair

May be affected after exposure. Swelling and/or loss of physical properties is possible.

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| Calcium Bromide 80%   | A      |
| Calcium Bromide 60%   | A      |
| Calcium Hydroxide 30%   | A      |
| Calcium Hydroxide 35%   | A      |
| Calcium Hydroxide 40%   | A      |
| Calcium nitrate   | A      |
| Carbon  | A      |
| Carbon Dioxide gas and reaction product Carbonic Acid in aqueous solution | A      |
| Choline chloride 70%  | A      |
| Citric Acid 5% concentration  | A      |
| Citric Acid 15% concentration   | A      |
| Citric Acid 30% concentration   | A      |
| Cottonseed Oil  | A      |
| CPE 2-22-7-20   | B      |
| Cyclohexane   | A      |
| Cyclohexanol  | A      |
| Dichloromethane   | C      |
| Diesel Fuel (Chevron low sulfur)  | A      |
| Dipotassium phosphate 20%   | A      |
| Dishwashing liquid 1% (Dawn)  | A      |
| Ethane-1,2-diol (Ethylene glycol)   | A      |
| Ethanedioic acid 14%  | A      |
| Ethanol 75% concentration (151 proof)                                     | A      |
| Ethanol 90% concentration (180 proof)                                     | A      |

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| Ethanol 76 + Piperazine 16%                             | A      |
| Ethanol (100% or 200 proof)                             | B      |
| Ethanolamine neat                                       | C      |
| Ethanolamine 30% + Propiconazole                        | A      |
| Ether   | A      |
| Ethylenediamine   | D      |
| Ethylene oxide gas combined with Propylene oxide liquid | A      |
| Ferrous Sulfate   | A      |
| Formic Acid 5% concentration                            | A      |
| Formic Acid 15% concentration                           | B      |
| Formic Acid 30% concentration                           | B      |
| Formic Acid 95% concentration                           | C      |
| Free Water Knock Oil, clean (FWKO)                      | A      |
| Formaldehyde 37%  | A      |
| Furan-2-carbaldehyde (Furfural)                         | D      |
| Gasoline (Chevron min-grade with Techron and MTBE)      | C      |
| Glycolic 5%   | A      |
| Grape Juice   | A      |
| Hexane 100%   | A      |
| Hexanedioic acid  | B      |
| Hydraulic Fluid   | A      |
| Hydrochloric Acid 5% concentration                      | A      |
| Hydrochloric Acid 15% concentration {color change}      | B      |
| Hydrochloric Acid 30% concentration {color change}      | B      |

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|--|--------|
| Hydrochloric Acid 36% concentration {color change}     | B      |
| Hydrofluoric Acid 5% concentration                     | B      |
| Hydrofluoric Acid 15% concentration                    | B      |
| Hydrochloric Acid 30% concentration {color change}     | B      |
| Hydrochloric Acid 36% concentration {color change}     | B      |
| Hydrofluoric Acid 5% concentration                     | B      |
| Hydrofluoric Acid 15% concentration                    | B      |
| Hydrofluoric Acid 30% concentration {color change}     | C      |
| Hydrofluorosilic Acid 20-25%                           | A      |
| Hydrogen Peroxide 30% concentration {color change}     | B      |
| Hydrogen Sulfide gas (precursor to Sulfuric Acid) 100% | A      |
| Iron(III) chloride (Ferric chloride)                   | A      |
| Iron Sulfate @ 60 C (Agrathane and Ecodur)             | B      |
| Isopropyl Alcohol (100%)                               | B      |
| Kerosene   | A      |
| Lactic Acid 88%  | A      |
| Lactic Acid 88% (103°F)                                | A      |
| Lactic Acid 88% (120°F)                                | B      |
| Lactic Acid 88% (150°F)                                | D      |
| Lacquer Thinner (Adhesive Remover and Toluene)         | D      |
| Laundry Detergent (Tide)                               | B      |
| Magnesium Chloride                                     | A      |
| Magnesium Hydroxide                                    | A      |
| Methanol (100%)  | B      |

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| Methyl 2-hydroxybenzoate (wintergreen oil)  | D      |
| Methyl Acetate  | C      |
| Methyl Isobutyl Ketone  | C      |
| Methyl Oleate   | B      |
| N-Methyl-2-pyrrolidone (NMP)  | D      |
| Nitric Acid 5% concentration  | B      |
| Nitric Acid 15% concentration {color change}  | B      |
| Nitric Acid 30% concentration {color change}  | C      |
| Octadecylamine 97% @80 F  | C      |
| Oleic Acid  | A      |
| Ozone Solution 100ppm   | A      |
| Peppermint Oil  | D      |
| Petroleum (Crude Oil)   | A      |
| Petroleum (Refined crude oil)   | B      |
| Peracetic Acid (prepared by mixing equal parts 50% conc. Acetic Acid and 30% conc. Hydrogen Peroxide) | B      |
| Perchloric acid 70%   | D      |
| phenolphthalein   | A      |
| phenol red  | A      |
| Phenylethene (Styrene monomer)  | D      |
| Phosphoric 75% and Sulfuric 4%  | A      |
| Phosphoric Acid 1% concentration  | A      |
| Phosphoric Acid 5% concentration  | A      |
| Phosphoric Acid 15% concentration   | A      |
| Phosphoric Acid 30% concentration   | A      |

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| Phosphoric Acid 85%                         | A      |
| Phosphorous Acid 5% concentration           | A      |
| Phosphorous Acid 15% concentration          | A      |
| Phosphorous Acid 30% concentration          | A      |
| Piperazine                                  | B      |
| Polyacrylamide 10%                          | A      |
| Polyacrylamide 5% in Polyacrylic Acid 40.5% | A      |
| Polyacrylamide 5% in Polyacrylic Acid 45%   | A      |
| Polyacrylic Acid 45%                        | A      |
| Polyoxyethylene nonylphenol                 | B      |
| Polysorb80                                  | B      |
| Potassium chloride (95°C)                   | A      |
| Potassium hydroxide 25% (caustic potash)    | A      |
| Potassium hydroxide 45% (caustic potash)    | A      |
| Potassium manganate VII                     | B      |
| Potassium Permanganate                      | B      |
| Quaternary ammonium cations 60.5%           | B      |
| Seawater                                    | A      |
| Sodium Fluoride 5%                          | A      |
| Sodium Fluoride 15%                         | A      |
| Sodium hexametaphosphate                    | A      |
| Sodium hydrogen phosphate                   | A      |
| Sodium hydroxide 20% (caustic soda)         | A      |
| Sodium hydroxide 25% (caustic soda)         | A      |

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| Sodium hydroxide 50% (caustic soda)                         | A      |
| Sodium hydroxide 60% (caustic soda)                         | A      |
| Sodium hypochlorite 8.25% (household bleach) {color change} | A      |
| Sodium hypochlorite 15%                                     | A      |
| Sodium Metabisulfite 30%                                    | A      |
| Sodium Methylate 30%  | A      |
| Sodium metasilicate   | A      |
| Sodium Silicate   | A      |
| Sodium Thiocyanate 26%                                      | A      |
| Sodium Thiocyanate 52%                                      | A      |
| Sulfamic 10%  | A      |
| Sulfamic 15%  | A      |
| Sulfuric Acid 5% concentration                              | A      |
| Sulfuric Acid 15% concentration                             | A      |
| Sulfuric Acid 30% concentration                             | A      |
| Sulfuric Acid 35%   | A      |
| Sulfuric Acid 45%   | B      |
| Sulfuric Acid 55%   | B      |
| Tannic acid   | A      |
| Tetrachloroethane   | C      |
| Tetrachloroethylene (PERC)                                  | C      |
| Thioglycolic acid   | D      |
| Triazine  | A      |
| Titanium dioxide 10%  | A      |
| Titanium dioxide 50%  | A      |

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| Titanium dioxide saturated                  | A      |
| Trichloroethane                             | C      |
| Trichloroethylene                           | D      |
| Tricresyl phosphate                         | A      |
| Tridecyl hydrogen sulfate 1%                | A      |
| Turpene (Limonene 97%)                      | B      |
| Turpenoid                                   | B      |
| Urea 25%                                    | A      |
| Urea 50%                                    | B      |
| Vegetable Oil                               | A      |
| Xylene (100%)                               | D      |
| Xylene 5% concentration in 10W30 Motor Oil  | A      |
| Xylene 10% concentration in 10W30 Motor Oil | A      |
| Zinc Bromide 50%                            | A      |
| Zinc Bromide 90%                            | A      |
| Zinc Orthophosphate Aquapure ZOP 437        | A      |
| Zinc oxide                                  | A      |
| Zinc sulfate                                | A      |

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