



AIDE MEMOIRE AIDE MEMOIRE TECHNIQUE TECHNIQUE

TABLEAU DES RESISTANCES CHIMIQUES - MATERIAUX A EMPLOYER

Les renseignements ci-dessous sont donnés à titre de guide, concernant la résistance chimique des matériaux figurant sur cette liste. La température, la pression, et la concentration du fluide interviennent dans le choix des matériaux. La liste ci-dessous n'est pas limitative, en cas de doute, nous vous conseillerons avec plaisir dans la mesure du possible.

| FLUIDES | MATERIAUX DE CONSTRUCTION | | | | | | | CAOUTCHOUC ET PLASTIQUES | | | | | | | | | | |
|------------------------------------|---------------------------|-------|------|--------|----------|----------|-------|--------------------------|--------|-------|-------|------|--------|----------|----------|-------|--------|--------|
| | Acier | Fonte | Alu. | bronze | inox 316 | inox 304 | Nylon | Ureton | teflon | Acier | Fonte | Alu. | bronze | inox 316 | inox 304 | Nylon | Ureton | teflon |
| Acétaldhyde | C | C | B | D | A | D | B | C | A | D | D | D | D | B | B | D | A | A |
| Acétate d'amyle | B | C | B | B | B | D | B | D | A | D | D | D | D | A | C | D | A | A |
| Acétate de cuivre | D | D | D | D | A | D | D | D | A | D | D | D | D | A | C | D | A | A |
| Acétate d'éthyle | B | C | B | C | B | D | A | D | A | D | D | D | D | A | C | D | A | A |
| Acétate de méthyle | B | C | B | A | A | D | A | D | A | D | D | D | D | A | C | D | A | A |
| Acétate de plomb | D | D | D | C | B | A | A | C | A | D | D | D | D | A | C | D | A | A |
| Acétate de soude | B | C | B | B | B | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Acétone | A | A | A | A | A | D | A | D | A | D | D | D | D | A | C | D | A | A |
| Acétylène | A | A | A | D | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide acétique (en présence d'air) | D | D | B | B | A | C | D | D | A | D | D | D | D | A | C | D | A | A |
| Acide acétique (sans air) | D | D | B | B | A | C | D | D | A | D | D | D | D | A | C | D | A | A |
| Acide acétique brut | D | C | B | C | A | D | D | D | A | D | D | D | D | A | C | D | A | A |
| Acide acétique pur | D | C | B | C | A | D | D | D | A | D | D | D | D | A | C | D | A | A |
| Acide acétique 10 % | D | C | B | C | A | D | D | D | A | D | D | D | D | A | C | D | A | A |
| Acide acétique 80 % | D | C | B | C | A | D | D | D | A | D | D | D | D | A | C | D | A | A |
| Acide arsénique | C | D | D | D | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide benzoïque | D | D | B | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide butyrique | D | D | A | C | B | B | A | C | A | D | D | D | D | A | C | D | A | A |
| Acide borique | D | D | B | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide bromhydrique | D | D | D | D | D | C | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide carbonique | D | D | A | D | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide chloracétique | D | D | C | C | D | D | C | A | A | D | D | D | D | A | C | D | A | A |
| Acide chlorhydrique (sans air) | D | D | D | D | D | B | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide chlorosulfonique (humide) | D | D | D | D | D | D | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide chlorosulfonique (sec) | B | B | B | B | B | D | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide chromique | D | D | C | D | C | D | D | C | A | D | D | D | D | A | C | D | A | A |
| Acide créosolique | C | D | C | C | D | D | D | B | A | D | D | D | D | A | C | D | A | A |
| Acide cyanhydrique | C | C | A | D | A | D | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide fluorhydrique | D | D | D | D | D | D | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide fluorosilicique | D | D | D | A | B | D | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide formique (chaud) | D | D | D | C | B | D | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide formique (froid) | D | D | D | C | B | D | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide gallique | D | D | A | C | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide gras | D | D | B | B | A | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide hydrofluosilicique | D | D | D | A | C | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide lactique (concentré chaud) | D | D | C | D | B | C | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide lactique (concentré froid) | D | D | C | D | A | B | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide lactique (dilué chaud) | D | D | D | B | D | A | C | D | A | D | D | D | D | A | C | D | A | A |
| Acide lactique (dilué froid) | D | D | A | B | A | B | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide linoléique | C | B | A | B | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide maléique | D | D | B | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide mélangé (froid) | C | D | D | A | D | A | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide malique | D | A | B | C | A | B | A | C | A | D | D | D | D | A | C | D | A | A |
| Acidencotinique | C | B | A | D | A | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Acidentrux (10%) | D | D | D | D | D | B | C | A | A | D | D | D | D | A | C | D | A | A |
| Acidentrux (10%) | D | D | D | D | A | C | D | A | A | D | D | D | D | A | C | D | A | A |
| Acidentrux (30%) | D | D | D | D | A | C | D | A | A | D | D | D | D | A | C | D | A | A |
| Acidentrux (80%) | D | D | B | D | A | C | D | B | A | D | D | D | D | A | C | D | A | A |
| Acidentrux (100%) | D | A | B | D | A | D | D | B | A | D | D | D | D | A | C | D | A | A |
| Acide nitrique anhydre | A | A | B | D | A | D | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide oléique | C | C | B | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide oxalique | D | D | C | B | B | B | C | C | A | D | D | D | D | A | C | D | A | A |
| Acide palmitique | C | C | B | B | B | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide phosphorique chaud (10%) | D | D | D | D | D | B | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide phosphorique chaud (50%) | D | D | D | D | D | B | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide phosphorique chaud (85%) | D | C | D | D | A | C | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide phosphorique froid (10%) | D | D | D | D | D | B | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide phosphorique froid (50%) | D | D | D | D | D | B | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide phosphorique froid (85%) | D | D | D | D | D | B | D | A | A | D | D | D | D | A | C | D | A | A |
| Acide phénique | C | C | D | A | B | B | D | C | A | D | D | D | D | A | C | D | A | A |
| Acide phthalique | D | C | B | B | B | B | C | A | A | D | D | D | D | A | C | D | A | A |
| Acide picrique | D | D | D | C | B | B | C | A | A | D | D | D | D | A | C | D | A | A |
| Acide pyrogallique | C | D | B | C | B | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide salicylique | C | D | D | C | C | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide stéarique | C | C | C | A | C | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide sulfureux | D | D | C | C | B | B | C | C | A | D | D | D | D | A | C | D | A | A |
| Acide sulfurique 0-7% | D | D | D | C | B | B | C | C | A | D | D | D | D | A | C | D | A | A |
| Acide sulfurique 20% | D | D | D | C | D | C | C | D | A | D | D | D | D | A | C | D | A | A |
| Acide sulfurique 50% | D | D | D | D | B | D | C | D | A | D | D | D | D | A | C | D | A | A |
| Acide sulfurique 100% | B | B | D | A | A | D | D | B | A | D | D | D | D | A | C | D | A | A |
| Acide tannique | C | C | C | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Acide tartrique | D | D | D | B | A | B | C | A | A | D | D | D | D | A | C | D | A | A |
| Acrylate d'éthyle | B | C | C | B | A | A | A | D | A | D | D | D | D | A | C | D | A | A |
| Air | A | A | A | A | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Alcali volatil (28%) | A | C | C | D | B | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Alcali volatil (concentré) | A | C | C | D | B | B | C | A | A | D | D | D | D | A | C | D | A | A |
| Alcools | B | C | B | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Alcool amylique | B | C | B | B | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Alcool butylique | B | C | B | B | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Alcool éthylique | A | B | B | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Alcool isopropylique | A | B | B | B | B | C | A | A | A | D | D | D | D | A | C | D | A | A |
| Alcool méthylique | A | B | B | B | B | A | A | B | A | D | D | D | D | A | C | D | A | A |
| Alcool propylique | A | B | A | A | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Aldéhyde acétique | C | C | B | D | A | D | B | C | A | D | D | D | D | A | C | D | A | A |
| Aldéhyde benzoïque | C | B | A | A | A | D | A | D | A | D | D | D | D | A | C | D | A | A |
| Aldéhyde formique (formol chaud) | D | D | B | B | C | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Aldéhyde formique (formol froid) | D | B | A | A | A | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Aliments liquides et pâtes | C | A | B | A | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Aluminate de soude | C | C | B | B | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Aluns | D | C | B | C | A | A | B | A | A | D | D | D | D | A | C | D | A | A |
| Aluns de chrome | D | B | C | C | A | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Amidon | A | C | A | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Amines | A | C | A | A | A | A | A | D | A | D | D | D | D | A | C | D | A | A |
| Ammoniac | A | B | B | D | A | B | C | A | A | D | D | D | D | A | C | D | A | A |
| Ammoniaque | A | A | B | D | A | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Anhydride acétique | D | D | B | C | B | C | D | D | A | D | D | D | D | A | C | D | A | A |
| Anhydride phthalique | D | C | B | B | B | C | A | A | A | D | D | D | D | A | C | D | A | A |
| Anhydride sulfureux (sec) | C | B | A | B | A | C | A | A | A | D | D | D | D | A | C | D | A | A |
| Anhydride sulfurique (sec) | B | B | A | B | A | C | A | A | A | D | D | D | D | A | C | D | A | A |
| Aniline | B | C | C | C | B | D | A | C | A | D | D | D | D | A | C | D | A | A |
| Aniline (teintures) | C | C | C | C | A | C | A | B | A | D | D | D | D | A | C | D | A | A |
| Asphalte emulsions | B | B | C | A | A | B | A | A | A | D | D | D | D | A | C | D | A | A |
| Asphalte liquide | B | B | C | A | A | C | A | A | A | D | D | D | D | A | C | D | A | A |
| Azote | A | A | A | A | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Benzaldéhyde | C | B | A | A | A | D | A | D | A | D | D | D | D | A | C | D | A | A |
| Benzène (benzol) | A | B | B | B | B | D | A | B | A | D | D | D | D | A | C | D | A | A |
| Bicarbonate d'ammonium | A | B | B | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Bicarbonate de soude | C | B | B | B | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Bichromate de potassium | B | C | A | D | B | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Bière (alcool de bière industriel) | C | D | A | A | A | A | A | A | A | D | D | D | D | A | C | D | A | A |
| Bière alimentaire | D | C | A | B | A | C | A | A | A | D | D | D | D | A</ | | | | |