

## Chemical Compatibility Results

### IceCube Solvent Resistance

#### Chemical rating key:

**A**= Little to no Interaction  
**B**= Slight Interaction  
**C**= Not Recommended

Please do not use acetic acid with Raney Ni.

Please note that cyclohexane, toluene and methylene chloride are not recommended solvents as they can interact with the sealing of the HPLC pump.

Please note that AcCN should not be used as solvent since it may get hydrogenated instead or parallel with your starting material.

	20°C/68°F	60°C/140°F
Acetaldehyde	A	A
Acetic acid (10%)	A	A
Acetic acid (glac./anh.)	A	A
Acetic anhydride	A	A
Aceto-acetic ester	A	A
Acetone	A	A
Other ketones	A	A
Acetonitrile	A	A
Acetylene	A	A
Acetyl salicylic acid	A	A
Acid fumes	A	A
Alcohols	A	A
Aliphatic esters	A	A
Alkyl chlorides	No Data	No Data
Alum	A	A
Aluminium chloride	A	A
Aluminium sulphate	A	A
Ammonia, anhydrous	A	A
Ammonia, aqueous	A	A
Ammonium chloride	A	A
Amyl acetate	A	A
Aniline	A	A

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	No Data	No Data
Antimony trihydroxide	No Data	No Data
Aqua Regia	A	A
Aromatic solvents	A	A
Ascorbic acid	A	A
Benzene	A	A
Benzaldehyde	A	A
Benzene	A	A
Benzoic acid	A	A
Benzoyl peroxide	A	A
Boric acid	A	A
Bases, saturated	A	A
Bromide (K) solution	A	A
Bromine	A	A
Bromine liquid, tech.	A	A
Bromine water, saturated aqueous	A	A
Butyl acetate	A	A
Calcium chloride	A	A
Carbon disulphide	A	A
Carbonic acid	A	A
Carbon tetrachloride	A	A
Caustic soda & potash	A	A
Cellulose paint	A	A
Chlorides of Na, K, Ba	A	A
Chlorine, dry	A	A
Chlorine, wet	A	A
Chlorides of Na, K, Ba	A	A
Chloroacetic acid	A	A
Chlorobenzene	A	A
Chloroform	A	A
Chlorosulphonic acid	A	A
Chromic acid (80%)	A	A
Citric acid	A	A
Copper salts (most)	A	A
Cresylic acids (50%)	A	A
Cyclohexane	A	A
Detergents, synthetic	A	A
Emulsifiers, concentrated	A	A
Ether	A	A
Fatty acids (>C6)	A	A
Ferric chloride	A	A
Ferrous sulphate	A	A
Fluorinated Aesalts	A	A

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FluoAine, dAy	A	A
FlouAine, wet	No Data	No Data
FluoAosilic acid	No Data	No Data
FoAmaldehyde (40%)	A	A
FoAmic acid	A	A
FAuit juices	A	A
Gelatine	A	A
GlyceAine	A	A
Glycols	A	A
Glycol, ethylene	A	A
Glycolic acid	A	A
Hexamethylene diamine	A	A
Hexamine	A	A
HydAazine	A	A
HydAobAomic acid (50%)	A	A
HydAochloAic acid (10%)	A	A
HydAochloAic acid (conc.)	A	A
HydAocyanic acid	A	A
HydAofluoAic acid (40%)	A	A
HydAofluoAic acid (75%)	A	A
HydAogen peAoxide (30%)	A	A
HydAogen peAoxide (30 - 90%)	A	A
HydAogen sulphide	A	A
HypochloAites	A	A
HypochloAites (Na 12-14%)	A	A
Iso-butyl-acetate	A	A
Lactic acid (90%)	A	A
Lead acetate	A	A
Lead peAchloAate	No Data	No Data
Lime (CaO)	A	A
Maleic acid	A	A
Manganate, potassium (K)	A	A
Meat juices	A	A
MeAcuAic chloAide	A	A
MeAcuAy	A	A
Methanol	A	A
Methylene chloAide	A	A
Milk pAoducts	A	A
Moist aiA	A	A
Molasses	A	A
Monoethanolamine	A	A
Naptha	A	A

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Napthalene	A	A
Nickel salts	A	A
NitAates of Na, K aNo Data NH3	A	A
NitAic acid (<25%)	A	A
NitAic acid (50%)	A	A
NitAic acid (90%)	A	A
NitAic acid (fuming)	A	A
NitAite (Na)	A	A
NitAobenzene	A	A
Oils, diesel	A	A
Oils, essential	A	A
Oils, lubAicating + aAomatic additives	A	A
Oils, mineAal	A	A
Oils, vegetable aNo Data animal	A	A
Oxalic acid	A	A
Ozone	A	A
PaAaffin wax	A	A
PeAchloAic acid	A	A
PetAoleum spiAits	A	A
Phenol	A	A
Phosphaic acid (20%)	A	A
Phosphaic acid (50%)	A	A
Phosphaic acid (95%)	A	A
Phosphaous chloAides	A	A
Phosphaous pentoxide	No Data	No Data
Phthalic acid	A	A
PicAic acid	A	A
PyAidine	A	A
Salicyl aldehyde	A	A
Sea wateA	A	A
Silicic acid	A	A
Silicone fluids	A	A
SilveA nitAate	A	A
Sodium caAbonate	A	A
Sodium peAoxide	A	A
Sodium silicate	A	A
Sodium sulphide	A	A
Stannic chloAide	A	A
StaAch	A	A
SugaA, syAups & jams	A	A
Sulphamic acid	No Data	No Data
Sulphates (Na, K, Mg, Ca)	A	A

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Sulphites	A	A
Sulphonic acids	A	A
SulphuA	A	A
SulphuA dioxide, dAy	A	A
SulphuA dioxide, wet	A	A
SulphuA dioxide (96%)	A	A
SulphuA tAioxide	A	A
SulphuAic acid (<50%)	A	A
SulphuAic acid (70%)	A	A
SulphuAic acid (95%)	A	A
SulphuAic acid, fuming	A	A
SulphuA chloAides	A	A
Tallow	A	A
Tannic acid (10%)	A	A
TaAtaAic acid	A	A
TAichloAethylene	A	A
UAea (30%)	A	A
VinegaA	A	A
WateA, distilled.	A	A
WateA, soft	A	A
WateA, haAd	A	A
Wetting agents (<5%)	A	A
Yeast	A	A
Zinc chloAide	A	A