

# Résistance aux produits chimiques du tuyau annelé de PEHD

La corrosion chimique d'un système de tuyaux est la détérioration du matériau du tuyau par l'action chimique des effluents. Dans certains cas, cette détérioration peut entraîner la perte de l'intégrité structurelle des tuyaux et en réduire considérablement la durée de vie théorique. Dans les applications d'égouts pluviaux, la corrosion chimique touche habituellement le radier des tuyaux.

Les matériaux utilisés pour fabriquer les tuyaux réagissent différemment aux attaques des produits chimiques qui contiennent les effluents. Les thermoplastiques, comme le polyéthylène haute densité (PEHD), résistent aux effets de la plupart des produits chimiques acides et alcalins. Le PEHD est l'un des thermoplastiques les plus stables chimiquement que l'on utilise actuellement dans des applications d'égouts et de drainage.

Une liste détaillée des données concernant la résistance chimique est présentée dans l'**Annexe A**, « **TR-19/2007 Chemical Resistance of Thermoplastics Piping Materials** ».

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Le polyéthylène haute densité (PEHD) annelé a un historique documenté de performance élevé. Le rapport « *Gravity Pipe Design Guidelines* », publié en avril 2014 par le ministère de l'Ontario, confirme la durée de vie utile de 75 ans des tuyaux en PEHD. Les tuyaux de PEHD démontrent une haute résistance à la corrosion, surpassant les autres types de tuyaux d'égouts pluviaux, comme le béton, l'acier et l'aluminium.

## Codes de résistance

On utilise les codes suivants dans le tableau de données :

Code	Signification	Résultat habituel
140	Type de plastique résistant généralement à la température (°F) indiquée par le code.	Gonflement inférieur à 3 % ou perte de poids inférieure à 0,5 %, et aucun changement considérable de l'allongement à la rupture.
R à 73	Type de plastique résistant généralement à la température (°F) indiquée par le code, mais pouvant avoir une résistance limitée à des températures plus élevées.	Gonflement inférieur à 3 % ou perte de poids inférieure à 0,5 %, et aucun changement considérable de l'allongement à la rupture.
C à 73	Type de plastique offrant une résistance limitée à la température (°F) indiquée par le code, mais pouvant convenir à certaines conditions.	Gonflement de 3 à 8 % ou perte de poids de 0,5 à 5 %, et/ou diminution maximale de 50 % de l'allongement à la rupture.
N	Type de plastique offrant aucune résistance.	Gonflement supérieur à 8 % ou perte de poids supérieure à 5 %, et/ou diminution de plus de 50 % de l'allongement à la rupture.
—	Données indisponibles.	

## Identification des matériaux plastiques

ABS	acrylonitrile-butadiène-styrène
CPVC	polychlorure de vinyle surchloré
PP	polypropylène
PVC	polychlorure de vinyle
PE	polyéthylène
PB	polybutylène
PVDF	polyfluorure de vinylidène
PEX	polyéthylène réticulé
PA11	polyamide 11
PK	polycétone

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Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Acetaldehyde</b> CH <sub>3</sub> CHO	--	---	N	140	N	C to 73	C to 73	---	C to 140	C to 176	R to 73
	Aq. Of 40%	---	N	---	C to 73	R to 73	---	N	R to 73	---	---
<b>Acetamide</b> CH <sub>3</sub> CONH <sub>2</sub>	5%	120	---	140	---	140	---	---	140	---	---
<b>Acetic Acid</b> CH <sub>3</sub> COOH	vapor	120	180	180	140	140	140	---	140	---	---
	5%	---	---	---	---	---	---	---	---	---	R to 176
	10%	---	---	---	---	---	---	R to 248	140	R to 176	---
	25%	N	180	180	140	140	140	---	140	---	---
	40%	---	---	---	---	---	---	R to 140	R to 176	---	---
	50%	---	---	---	---	---	-	R to 140	R to 176	C to 68	---
	60%	N	N	180	73	73	73	R to 104	73	---	---
	80%	---	---	---	---	---	---	R to 104	---	---	---
	85%	N	N	120	73	73	73	---	73	---	---
	glacial	N	N	120	73	73	73	R to 104	R to 68	---	---
<b>Acetic Anhydride</b> (CH <sub>3</sub> CO) <sub>2</sub> O	---	N	N	73	N	73	140	N	73	C to 68	---
<b>Acetone</b> CH <sub>3</sub> COCH <sub>3</sub>	5%	N	N	73	N	C to 73	140	R to 212	C to 73	C to 140	---
	10%	---	---	---	---	---	---	R to 122	---	---	---
	100%	---	---	---	---	---	---	---	---	---	R to 73 C to 122
<b>Acetophenone</b> C <sub>6</sub> H <sub>5</sub> COCH <sub>3</sub>	---	N	---	120	--	73	---	R to 68	73	---	---
<b>Acetyl Chloride</b> CH <sub>3</sub> COCl	---	N	N	---	N	---	---	N	---	---	---
<b>Acetylene</b> HC≡CH	gas 100%	73	N	73	N	73	C to 73	---	73	140	---
<b>Acetylnitrile</b>	---	---	N	---	N	---	---	---	---	---	---
<b>Acrylic Acid</b> H <sub>2</sub> C=CHCOOH	97%	---	N	---	N	140	---	---	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Acrylonitrile</b> H <sub>2</sub> C=CHC≡N	---	---	N	---	N	140	---	---	140	---	---
<b>Adipic Acid</b> COOH(CH <sub>2</sub> ) <sub>4</sub> COOH	sat'd	---	180	140	140	140	73	R to 176	140	---	---
<b>Allyl Alcohol</b> CH <sub>2</sub> =CHCH <sub>2</sub> OH	96%	---	C to 73	140	R to 73	140	140	---	N	---	---
<b>Allyl Chloride</b> CH <sub>2</sub> =CHCH <sub>2</sub> Cl	--	---	N	---	N	C to 73	---	140	C to 73	---	---
	Liquid	---	---	---	---	---	---	R to 68	---	---	---
<b>Aluminum Ammonium Sulfate (Alum)</b> AlNH <sub>4</sub> (SO <sub>4</sub> ) <sub>2</sub> •12H <sub>2</sub> O	sat'd	---	180	140	140	140	---	---	140	---	---
<b>Aluminum Chloride Aqueous</b> AlCl <sub>3</sub>	sat'd	160	180	180	140	140	140	R to 212	140	---	---
<b>Aluminum Fluoride Anhydrous</b> AlF <sub>3</sub>	sat'd	160	180	180	73	140	140	R to 212	140	---	---
<b>Aluminum Hydroxide</b> Al(OH) <sub>3</sub>	sat'd	160	180	180	140	140	140	R to 212	140	---	N
<b>Aluminum Nitrate</b> Al(NO <sub>3</sub> ) <sub>3</sub> •9H <sub>2</sub> O	sat'd	---	180	180	140	140	140	R to 212	140	---	---
<b>Aluminum Oxychloride</b>	--	---	180	180	140	---	140	---	---	---	---
<b>Aluminum Potassium Sulfate (Alum)</b> AlK(SO <sub>4</sub> ) <sub>2</sub> •12H <sub>2</sub> O	sat'd	160	180	140	140	140	---	R to 212	140	---	---
<b>Aluminum Sulfate (Alum)</b> Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	sat'd	160	180	140	140	140	C to 73	R to 212	140	194	---
	20%	---	---	---	---	---	---	---	---	---	R to 73
<b>Ammonia Gas</b> NH <sub>3</sub>	100%	N	N	140	140	140	140	---	140	140	---
<b>Ammonia Liquid</b> NH <sub>3</sub>	100%	160	N	140	N	140	73	---	140	140	---
<b>Ammonium Acetate</b> CH <sub>3</sub> COONH <sub>4</sub>	sat'd	120	180	73	140	140	---	R to 212	140	---	---
<b>Ammonium Bifluoride</b> NH <sub>4</sub> HF <sub>2</sub>	sat'd	---	180	180	140	---	140	---	140	---	---
<b>Ammonium Bisulfide</b> (NH <sub>4</sub> )HS	---	---	---	---	140	---	---	---	---	---	---
<b>Ammonium Carbonate</b> (NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	sat'd	---	180	212	140	140	140	R to 248	140	---	---
<b>Ammonium Chloride</b> NH <sub>4</sub> Cl	sat'd	120	180	212	140	140	140	R to 212	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Ammonium Dichromate</b> (NH <sub>4</sub> ) <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	--	---	73	---	73	---	---	---	---	---	---
<b>Ammonium Fluoride</b> NH <sub>4</sub> F	10%	120	180	212	140	140	---	R to 212	140	---	---
	25%	120	180	212	C to 140	140	73	---	140	---	---
<b>Ammonium Hydroxide</b> NH <sub>4</sub> OH	10%	120	N	212	140	140	140	---	140	---	N
	30%	---	---	---	---	R to 140	---	---	R to 140	---	---
	Conc.	---	---	---	---	---	---	---	194	---	---
<b>Ammonium Metaphosphate</b>	Sat'd	--	--	R to 212	R to 140	R to 140	R to 140	R to 248	R to 140	---	---
<b>Ammonium Nitrate</b> NH <sub>4</sub> NO <sub>3</sub>	sat'd	120	180	212	140	140	140	R to 212	140	---	---
<b>Ammonium Persulfate</b> (NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	---	---	180	140	140	140	140	R to 212	140	---	---
<b>Ammonium Phosphate (Monobasic)</b> NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>	all	120	180	212	140	140	140	R to 248	140	---	---
<b>Ammonium Sulfate</b> (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Sat'd.	120	180	212	140	140	140	R to 212	140	---	---
	20%	---	---	---	---	---	---	---	---	---	R to 73
<b>Ammonium Sulfide</b> (NH <sub>4</sub> ) <sub>2</sub> S	dilute	120	180	212	140	140	140	---	140	---	---
	Sat'd.	---	---	---	---	140	---	---	---	---	---
<b>Ammonium Thiocyanate</b> NH <sub>4</sub> SCN	50-60%	120	180	212	140	140	140	R to 212	73	---	---
<b>Amyl Acetate</b> CH <sub>3</sub> COOC <sub>5</sub> H <sub>11</sub>	--	N	N	N	N	73	---	R to 122	73	C to 194	---
<b>Amyl Alcohol</b> C <sub>5</sub> H <sub>11</sub> OH	--	---	N	---	N	140	140	R to 212	R to 140	---	---
	100%	---	---	---	---	---	C to 140	---	---	---	---
<b>n-Amyl Chloride</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>2</sub> Cl	--	N	N	N	N	C to 73	---	---	C to 73	---	---
<b>Anisole</b> C <sub>7</sub> H <sub>8</sub> O	--	---	---	---	---	---	---	---	---	---	C to 73
<b>Aniline</b> C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub>	--	N	N	---	N	73	C to 140	R to 68	C to 140	---	N
<b>Aniline Chlorohydrate</b>	--	---	N	---	N	C to 73	N	---	C to 73	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Aniline Hydrochloride</b> C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> •HCl	sat'd	---	N	---	N	140	N	---	140	---	---
<b>Anthraquinone</b> C <sub>14</sub> H <sub>8</sub> O <sub>2</sub>	--	---	180	---	140	C to 73	C to 73	---	C to 73	---	---
<b>Anthraquinone Sulfonic Acid</b> C <sub>14</sub> H <sub>7</sub> O <sub>2</sub> • SO <sub>3</sub> • H <sub>2</sub> O	--	---	180	73	140	140	C to 73	---	C to 73	---	---
<b>Antifreeze</b>	--	---	---	---	---	---	---	---	---	---	R to 73 C to 176
<b>Antimony Trichloride</b> SbCl <sub>3</sub>	sat'd	---	180	140	140	140	140	R to 140	140	---	---
<b>Aqua Regia</b> (Nitrohydrochloric Acid)	--	N	R to 73	N	C to 73	N	N	C to 194	N	---	---
<b>Arsenic Acid</b> H <sub>3</sub> AsO <sub>4</sub>	80%	---	180	140	140	140	140	R to 248	140	---	---
<b>Aryl Sulfonic Acid</b> C <sub>6</sub> H <sub>5</sub> SO <sub>3</sub> H	--	---	180	---	140	73	---	---	73	---	---
<b>Asphalt</b>	--	---	N	73	N	73	140	---	73	---	---
<b>Barium Carbonate</b> BaCO <sub>3</sub>	sat'd	120	180	140	140	140	140	R to 248	140	---	---
<b>Barium Chloride</b> BaCl <sub>2</sub> • 2H <sub>2</sub> O	sat'd	120	180	140	140	140	140	R to 212	140	194	---
<b>Barium Hydroxide</b> Ba(OH) <sub>2</sub>	sat'd	73	180	140	140	140	140	---	R to 212	---	---
	10%	---	---	---	---	---	---	---	---	---	R to 73
	30%	---	---	---	---	R to 140	---	---	R to 140	---	---
<b>Barium Nitrate</b> Ba(NO <sub>3</sub> ) <sub>2</sub>	sat'd	73	180	140	73	140	---	---	140	---	---
<b>Barium Sulfate</b> BaSO <sub>4</sub>	sat'd	73	180	140	140	140	140	R to 212	140	---	---
<b>Barium Sulfide</b> BaS	sat'd	73	180	140	140	140	140	---	R to 248	---	---
<b>Beer</b>	--	120	180	180	140	R to 140	140	R to 248	R to 140	68	R to 73
<b>Beet Sugar Liquors</b>	--	---	180	180	140	73	140	---	73	---	---
<b>Benzaldehyde</b> C <sub>6</sub> H <sub>5</sub> CHO	10%	N	R to 73	73	R to 73	73	C to 73	---	73	R to 104	---
	99%	---	---	---	---	---	---	---	---	---	C to 73
<b>Benzene</b> C <sub>6</sub> H <sub>6</sub>	--	N	N	N	N	C to 120	N	C to 122	R to 68	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Benzene Sulfonic Acid</b> C <sub>6</sub> H <sub>5</sub> SO <sub>3</sub> H	10%	---	180	180	140	R to 73	---	---	R to 73	---	---
	10%+	---	N	---	N	---	---	---	---	---	---
<b>Benzoic Acid</b> C <sub>6</sub> H <sub>5</sub> COOH	all	160	180	73	140	140	140	---	R to 248	---	---
<b>Benzoyl Chloride</b> C <sub>6</sub> H <sub>5</sub> COCl	Sat. Sol.	---	---	---	---	---	---	C to 68	---	---	---
<b>Benzyl Alcohol</b> C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> OH	--	---	N	120	N	140	---	R to 122	140	R to 68	---
<b>Benzyl Chloride</b> C <sub>7</sub> H <sub>7</sub> Cl	--	---	---	---	---	---	---	---	R to 140	---	---
<b>Bismuth Carbonate</b> (BiO) <sub>2</sub> CO <sub>3</sub>	Sat'd.	---	180	180	140	140	140	---	140	---	---
<b>Black Liquor</b>	sat'd	---	180	140	140	120	140	---	120	---	---
<b>Bleach</b>	5% Active Cl <sub>2</sub>	---	180	120	140	C to 140	---	---	C to 140	---	R to 73
	12% Active Cl <sub>2</sub>	73	185	120	140	73	140	---	73	---	---
<b>Borax</b> Na <sub>3</sub> B <sub>4</sub> O <sub>7</sub> •10H <sub>2</sub> O	sat'd	160	180	212	140	140	140	---	140	---	---
<b>Boric Acid</b> H <sub>3</sub> BO <sub>3</sub>	Sat'd	160	180	212	140	140	140	R to 212	140	---	---
<b>Brake Fluid</b>	--	---	---	140	---	140	---	---	140	---	---
<b>Brine</b>	sat'd	---	180	140	140	140	140	---	140	---	---
<b>Bromic Acid</b> HBrO <sub>3</sub>	Sat'd	---	180	N	140	N	140	R to 212	N	---	---
	10%	---	---	---	---	140	---	---	---	---	---
<b>Bromine</b> Br <sub>2</sub>	Liquid	73	N	N	N	N	N	R to 248	N	N	---
	vapor 25%	---	180	N	140	N	---	---	N	---	---
<b>Bromine Water</b>	cold sat'd	---	180	N	140	N	C to 73	R to 176	N	---	---
<b>Bromobenzene</b> C <sub>6</sub> H <sub>5</sub> Br	--	---	---	---	N	---	---	---	---	---	---
<b>Bromotoluene (Benzyl bromide)</b> C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> Br	--	---	---	C	N	---	---	---	---	---	---
<b>Butadiene</b> H <sub>2</sub> C=CHCH=CH <sub>2</sub>	50%	---	180	N	140	73	---	---	73	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Butadiene</b> H <sub>2</sub> C=CHCH=CH <sub>2</sub>	Gas	---	---	---	---	---	---	R to 212	---	---	---
<b>Butane</b> C <sub>4</sub> H <sub>10</sub>	50%	---	180	140	140	140	N	---	140	---	---
	Gas	---	---	---	---	---	---	R to 68	---	---	---
<b>n-Butanol</b> C <sub>4</sub> H <sub>9</sub> OH	Liquid	---	---	---	---	---	---	R to 140	---	---	R to 73
<b>Butyl Acetate</b> CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	100%	N	N	C to 73	N	C to 73	C to 73	C to 104	C to 73	R to 194	---
<b>Butyl Alcohol</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> CH <sub>2</sub> OH	--	---	C to 73	180	140	140	140	---	140	C to 104	---
<b>Butyl Cellosolve</b> HOCH <sub>2</sub> CH <sub>2</sub> O(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	--	---	N	---	73	---	---	---	---	---	---
<b>n-Butyl Chloride</b> C <sub>4</sub> H <sub>9</sub> Cl	--	N	N	---	---	---	---	---	---	---	---
<b>Butyl Glycol</b> HOCH <sub>2</sub> CH <sub>2</sub> O(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	Liquid	---	---	---	---	---	---	R to 212	---	---	---
<b>Butylene ©</b> CH <sub>3</sub> CH=CHCH <sub>3</sub>	Liquid	---	---	N	140	120	---	---	120	---	---
<b>Butyl Phenol</b> C <sub>4</sub> H <sub>9</sub> C <sub>6</sub> H <sub>4</sub> OH	--	---	---	N	C to 73	73	73	---	R to 176	---	---
<b>Butyl Phthalate</b> C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	--	---	N	180	---	---	---	R to 140	---	---	---
<b>Butyl Stearate</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COO(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	--	---	---	---	73	---	---	---	---	---	---
<b>Butynediol</b> HOCH <sub>2</sub> C≡CCH <sub>2</sub> OH	--	---	---	---	73	---	---	---	---	---	---
<b>Butyric Acid</b> CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> COOH	--	N	N	180	73	73	73	---	73	---	---
	20%	---	---	---	---	---	---	R to 212	---	---	---
	Liquid	---	---	---	---	---	---	R to 176	73	---	---
<b>Cadmium Cyanide</b> Cd(CN) <sub>2</sub>	--	---	180	---	140	---	---	---	---	---	---
<b>Calcium Bisulfide</b> Ca(HS) <sub>2</sub> ·6H <sub>2</sub> O	--	---	73	---	N	140	---	---	140	---	---
<b>Calcium Bisulfite</b> Ca(HSO <sub>3</sub> ) <sub>2</sub>	--	---	180	180	140	N	140	---	N	---	---
	Sat'd	---	---	---	---	---	---	R to 248	---	---	---
<b>Calcium Carbonate</b> CaCO <sub>3</sub>	Sat'd	---	180	180	140	140	140	R to 248	140	---	---



Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Calcium Chlorate</b> Ca(ClO <sub>3</sub> ) <sub>2</sub> • 2H <sub>2</sub> O	--	---	180	180	140	140	140	R to 248	140	---	---
<b>Calcium Chloride</b> CaCl <sub>2</sub>	5%	---	---	---	---	---	---	---	---	---	R to 176
	Sat'd	120	180	180	140	140	140	R to 248	R to 176	R to 194	---
<b>Calcium Hydroxide</b> Ca(OH) <sub>2</sub>	--	160	180	180	140	140	140	---	140	---	---
	2%	---	---	---	---	---	---	---	---	---	R to 73
	30%	---	---	---	---	R to 140	---	---	R to 140	---	---
<b>Calcium Hypochlorite</b> Ca(OCl) <sub>2</sub>	30%	160	180	140	140	140	140	---	140	---	---
	Sat'd	---	---	---	---	---	---	C to 212	---	---	---
<b>Calcium Nitrate</b> Ca(NO <sub>3</sub> ) <sub>2</sub>	--	----	180	180	140	140	140	---	140	---	---
	50%	-	---	---	---	140	---	R to 212	140	---	---
	Sat'd	---	---	---	---	---	---	R to 176	---	---	---
<b>Calcium Oxide</b> CaO	--	---	180	---	140	140	---	---	140	---	---
<b>Calcium Sulfate</b> CaSO <sub>4</sub>	--	100	180	180	140	140	140	R to 212	140	---	---
<b>Calcium Hydrogen Sulfide</b> Ca(HS) <sub>2</sub>	>10%	---	---	---	---	---	---	R to 248	---	---	---
<b>Camphor</b> C <sub>10</sub> H <sub>16</sub> O	--	N	---	73	73	73	---	---	73	---	---
<b>Cane Sugar Liquors</b> C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	--	---	180	180	140	140	150	---	140	---	---
<b>Carbitol</b> CH <sub>3</sub> CH <sub>2</sub> O(CH <sub>2</sub> ) <sub>2</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	--	---	N	---	73	---	---	---	---	---	---
<b>Carbon Dioxide</b> CO <sub>2</sub>	Dry	160	180	140	140	140	---	R to 212	140	---	---
	100%										
	Wet	160	180	140	140	140	140	---	140	---	---
<b>Carbon Disulfide</b> CS <sub>2</sub>	--	N	N	N	N	C to 140	---	---	R to 68	R to 104	---
<b>Carbon Monoxide</b> CO	Gas	---	180	180	140	140	140	R to 140	140	---	---
<b>Carbon Tetrachloride</b> CCl <sub>4</sub>	--	N	N	N	73	C to 73	N	C to 212	C to 68	N	R to 73

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Carbonic Acid</b> H <sub>2</sub> CO <sub>3</sub>	Sat'd	185	180	140	140	140	---	---	140	---	---
<b>Castor Oil</b>	--	---	C to 180	140	140	73	140	---	73	---	---
<b>Caustic Potash</b> KOH	50%	160	180	180	140	140	73	---	140	---	---
<b>Caustic Soda (Sodium Hydroxide)</b> NaOH	40%	160	180	180	140	140	73	---	140	---	---
<b>Cellosolve</b>	--	---	N	73	73	C to 120	140	---	C to 120	---	---
<b>Cellosolve Acetate</b> CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>2</sub> OC <sub>2</sub> H <sub>5</sub>	--	---	N	73	73	---	---	---	---	---	---
<b>Chloral Hydrate</b> CCl <sub>3</sub> CH (OH) <sub>2</sub>	All	---	180	C to 73	140	120	140	---	120	---	---
<b>Chloramine</b> NH <sub>2</sub> Cl	Dilute	---	N	73	73	73	---	---	73	---	---
<b>Chloric acid</b> HClO <sub>3</sub> •7H <sub>2</sub> O	10%	---	180	73	140	73	---	---	73	---	---
	20%	---	185	73	140	73	---	---	73	---	---
<b>Chlorine Gas</b> Cl <sub>2</sub>	0-20 PPM moisture content	N	C to 73	N	C to 73	C to 73	---	R to 212	C to 73	---	---
	20-50 PPM moisture content	N	N	N	N	C to 73	---	---	C to 73	---	---
	50+ PPM moisture content	N	N	N	N	C to 73	---	N	C to 73	---	---
<b>Chlorine</b>	Liquid	N	N	N	N	N	---	---	N	---	N
<b>Chlorinated Water</b>											
	Sat'd	---	180	180	140	C to 120	140	R to 212	C to 120	---	---
<b>Chloroacetic Acid</b> CH <sub>2</sub> ClCOOH	50%	N	180	C to 73	140	120	N	---	120	---	---
	>10%	---	---	---	---	---	---	R to 140	---	---	---
<b>Chloroacetyl Chloride</b> ClCH <sub>2</sub> COCl	--	---	---	---	73	---	---	---	---	---	---
<b>Chlorobenzene</b> C <sub>6</sub> H <sub>5</sub> Cl	Dry	N	N	73	N	C to 75	N	---	C to 75	---	---
	Liquid	---	---	---	---	---	---	R to 140	R to 68	C to 176	---
<b>Chlorobenzyl Chloride</b> ClC <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> Cl	--	---	N	---	N	C to 120	---	---	C to 120	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Chloroethanol</b> ClCH <sub>2</sub> CH <sub>2</sub> OH	Liquid	---	---	---	---	---	N	R to 122	---	---	---
<b>Chloroform</b> CHCl <sub>3</sub>	Dry	N	N	N	N	C to 75	C to 73	---	C to 75	---	---
	Liquid	---	---	---	---	---	---	R to 212	N	---	C to 73
<b>Chloromethane</b> CH <sub>3</sub> Cl	Gas	---	---	---	---	---	---	R to 212	---	---	---
<b>Chloropicrin</b> CCl <sub>3</sub> NO <sub>2</sub>	--	---	---	---	N	73	---	---	73	---	---
<b>Chlorosulfonic Acid</b> ClSO <sub>2</sub> OH	--	----	73	N	73	C to 120	N	---	C to 120	---	---
	50%	-	---	---	---	---	---	R to 68	---	---	---
	100%	---	---	---	---	N	---	---	N	---	---
<b>Chromic Acid</b> H <sub>2</sub> CrO <sub>4</sub>	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
	10%	73	180	140	140	73	140	R to 212	73	N	---
	20%	---	---	---	---	---	---	R to 212	---	---	---
	25%	---	---	---	---	---	---	R to 212	---	---	---
	30%	N	180	73	140	73	140	R to 212	73	---	---
	40%	N	180	73	140	73	73	R to 212	73	---	---
	50%	N	C to 140	73	N	73	N	R to 212	73	---	---
<b>Chromium Potassium Sulfate</b> CrK(SO <sub>4</sub> ) <sub>2</sub> •12H <sub>2</sub> O	>10%	---	---	---	---	---	---	R to 212	---	----	---
	--	-	--	73	---	73	---	---	73	-	---
	Sat'd	---	---	---	---	---	R to 212	---	---	---	---
<b>Citric Acid</b> C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	Sat'd	160	180	140	140	140	140	R to 248	140	C to 140	---
<b>Coconut Oil</b>	--	---	C to 180	73	140	73	140	R to 248	73	---	---
<b>Cod Liver Oil</b>	Work Sol.	---	---	---	---	---	---	R to 248	---	---	---
<b>Coffee</b>	--	---	180	140	140	140	---	---	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Coke Oven Gas</b>	--	---	---	73	140	140	---	---	140	---	---
<b>Copper Acetate</b> Cu(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> •H <sub>2</sub> O	Sat'd	---	73	73	73	---	---	---	---	---	---
<b>Copper Carbonate</b> CuCO <sub>3</sub>	Sat'd	---	180	---	140	140	---	---	140	---	---
<b>Copper Chloride</b> CuCl <sub>2</sub>	Sat'd	73	180	140	140	140	140	---	140	---	---
<b>Copper Cyanide</b> CuCN	Sat'd	---	180	---	140	140	140	R to 212	140	---	---
<b>Copper Fluoride</b> CuF <sub>2</sub> •2H <sub>2</sub> O	2%	---	180	73	140	140	140	---	140	---	---
<b>Copper Nitrate</b> Cu(NO <sub>3</sub> ) <sub>2</sub> •3H <sub>2</sub> O	30%	---	180	140	140	140	140	---	---	---	---
	50%	---	---	---	---	---	---	R to 212	---	---	---
<b>Copper Sulfate</b> CuSO <sub>4</sub> •5H <sub>2</sub> O	Sat'd	120	180	120	140	140	140	R to 212	140	R to 194	---
<b>Corn Oil</b>	--	---	C to 180	73	140	120	---	---	120	---	---
<b>Corn Syrup</b>	--	---	185	140	140	140	---	---	140	---	---
<b>Cottonseed Oil</b>	--	120	C to 180	140	140	R to 140	140	---	R to 140	---	---
<b>Creosote</b>	--	---	N	73	N	140	---	---	140	---	---
<b>Cresol</b> CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> OH	90%	N	N	R to 73	N	73	N	R to 68	73	---	---
<b>Cresylic Acid</b>	50%	---	180	---	140	C to 73	N	---	C to 73	---	---
<b>Crotonaldehyde</b> CH <sub>3</sub> CH=CHCHO	--	---	N	C to 73	N	---	---	---	---	---	---
	Liquid	---	---	---	---	---	---	R to 104	--	---	---
<b>Crude Oil</b>	--	---	C to 180	140	140	C to 120	C to 73	R to 212	C to 120	R to 140	---
<b>Cupric Chloride</b> CuCl <sub>2</sub> • 2H <sub>2</sub> O	20%	---	---	---	---	---	---	---	---	---	R to 73
<b>Cupric Fluoride</b> CuF <sub>2</sub>	--	---	180	---	140	140	---	---	140	---	---
<b>Cupric Sulfate</b> CuSO <sub>4</sub> • 5H <sub>2</sub> O	Sat'd	100	180	73	140	140	---	---	---	---	---
<b>Cuprous Chloride</b> CuCl	Sat'd	70	180	---	140	140	---	---	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Cyclohexane</b> C <sub>6</sub> H <sub>12</sub>	--	73	N	N	N	N	---	R to 248	N	C to 140	---
<b>Cyclohexanol</b> C <sub>6</sub> H <sub>11</sub> OH	--	C to 120	N	140	N	73	C to 73	R to 104	73	---	---
<b>Cyclohexanone</b> C <sub>6</sub> H <sub>10</sub> O	Liquid	N	N	73	N	120	N	N	C to 176	C to 140	---
<b>Detergents (Heavy Duty)</b>	--	---	C to 180	180	140	R to 140	---	---	R to 140	---	R to 73
<b>Dextrin (Starch Gum)</b>	Sat'd	---	180	140	140	140	140	---	140	---	---
<b>Dextrose</b> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Sat'd	---	180	140	140	140	140	---	140	---	---
<b>Diacetone Alcohol</b> CH <sub>3</sub> COCH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> OH	--	---	N	120	N	---	---	---	---	C to 140	---
<b>Dibutoxyethyl Phthalate</b> C <sub>20</sub> H <sub>30</sub> O <sub>6</sub>	--	---	N	---	N	---	---	---	---	---	---
<b>n-Dibutyl Ether</b> C <sub>4</sub> H <sub>9</sub> OC <sub>4</sub> H <sub>9</sub>	--	---	---	---	---	73	---	---	73	---	---
<b>Dibutyl Phthalate</b> C <sub>6</sub> H <sub>4</sub> (COOC <sub>4</sub> H <sub>9</sub> ) <sub>2</sub>	--	N	N	73	N	73	---	---	73	---	---
<b>Dibutyl Sebacate</b> C <sub>4</sub> H <sub>9</sub> OCO(CH <sub>2</sub> ) <sub>8</sub> OCOC <sub>4</sub> H <sub>9</sub>	--	---	---	73	73	73	---	---	73	---	---
<b>Dichloroacetic Acid</b> CHCl <sub>2</sub> COOH	50%	---	---	---	---	---	---	R to 176	---	---	---
<b>Dichlorobenzene</b> C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	--	N	N	C to 73	N	C to 120	---	---	C to 120	---	R to 73
	Liquid	---	---	---	---	---	---	R to 140	---	---	---
<b>Dichloroethylene</b> C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	--	---	N	C to 73	N	C to 120	---	---	C to 120	---	---
	Liquid	---	---	---	---	---	---	R to 248	---	---	---
<b>Diesel Fuels</b>	--	---	C to 180	140	140	73	C to 73	R to 212	73	---	---
<b>Diethanolamine</b> (CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub> NH	Solid	---	---	---	---	---	---	N	---	---	---
	20%	---	---	---	---	---	---	---	R to 194	---	---
<b>Diethylamine</b> C <sub>4</sub> H <sub>10</sub> NH	--	N	N	---	N	C to 120	N	N	C to 120	---	---
<b>Diethyl Ether</b> C <sub>4</sub> H <sub>10</sub> O	--	N	N	73	73	C to 140	---	---	C to 140	140	---
<b>Diglycolic Acid</b> O(CH <sub>2</sub> COOH) <sub>2</sub>	Sat'd	---	180	140	140	140	140	---	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
	10%	---	---	---	---	---	---	R to 140	---	---	---
<b>Dimethylamine</b> (CH <sub>3</sub> ) <sub>2</sub> NH	--	---	---	73	140	73	N	N	73	---	---
<b>Dimethylformamide</b> HCON(CH <sub>3</sub> ) <sub>2</sub>	--	N	N	180	N	120	---	---	120	---	C to 73
	Liquid	---	---	---	---	---	---	---	N	---	---
<b>Dimethylhydrazine</b> (CH <sub>3</sub> ) <sub>2</sub> NNH <sub>2</sub>	--	---	---	---	N	---	---	---	---	---	---
<b>Dimethyl Phthalate</b> C <sub>6</sub> H <sub>4</sub> (COOCH <sub>3</sub> ) <sub>2</sub>	--	---	N	---	---	C to 73	---	---	C to 73	---	---
<b>Diocetyl Phthalate</b> C <sub>6</sub> H <sub>4</sub> (COOC <sub>8</sub> H <sub>17</sub> ) <sub>2</sub>	--	N	N	C to 73	N	73	C to 73	---	73	140	---
<b>Dioxane</b> C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	--	--	N	C to 140	N	140	---	---	140	---	---
	Liquid	---	---	---	---	---	---	C to 68	---	---	---
<b>Diphenyl Oxide</b> (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> O	Sat'd	---	---	---	---	73	---	---	73	---	---
<b>Disodium Phosphate</b> Na <sub>2</sub> HPO <sub>4</sub>	--	---	180	140	140	140	140	---	140	---	---
<b>Dishwashing Liquid</b> (Cascade®)	--	---	---	---	---	---	---	---	---	---	R to 73
<b>DOWTHERM A</b>	--	---	---	---	N	---	---	---	---	---	---
<b>Ethanol</b> C <sub>2</sub> H <sub>5</sub> OH	40%	---	---	---	---	---	---	R to 68 R to 122	---	---	---
	95%	---	---	---	---	---	---	---	R to 140	-	---
	Liquid	---	---	---	---	---	---	R to 122	R to 140	---	R to 176
<b>Ether</b> ROR	--	N	N	C to 73	N	73	N	---	73	---	---
<b>Ethyl Acetate</b> CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>3</sub>	--	N	N	C to 140	N	73	C to 73	---	73	140	R to 73 C to 176
	Liquid	---	---	---	---	---	---	C to 68	---	---	---
<b>Ethyl Acetoacetate</b> CH <sub>3</sub> COCH <sub>2</sub> COOC <sub>2</sub> H <sub>5</sub>	--	N	N	---	N	---	---	---	---	---	---
<b>Ethyl Acrylate</b> CH <sub>2</sub> =CHCOOC <sub>2</sub> H <sub>5</sub>	--	---	N	---	N	---	---	---	---	---	---
<b>Ethyl Alcohol (Ethanol)</b> C <sub>2</sub> H <sub>5</sub> OH	--	---	C to 140	140	140	140	140	---	140	C to 104	R to 176

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Ethyl Benzene</b> C <sub>6</sub> H <sub>5</sub> C <sub>2</sub> H <sub>5</sub>	--	---	---	C to 73	N	C to 73	---	---	---	---	---
<b>Ethyl Chloride</b> C <sub>2</sub> H <sub>5</sub> Cl	Dry	---	N	C to 73	N	C to 73	---	---	C to 73	---	---
	Gas	---	---	---	---	---	---	R to 212	---	---	---
<b>Ethyl Chloroacetate</b> ClCH <sub>2</sub> COOC <sub>2</sub> H <sub>5</sub>	--	---	---	---	N	---	---	---	---	---	---
<b>Ethyl Ether</b> (C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> O	Liquid	---	N	N	N	N	N	R to 122	R to 68	---	---
<b>Ethylene Bromide</b> BrCH <sub>2</sub> CH <sub>2</sub> Br	Dry	---	N	---	N	---	N	---	---	---	---
<b>Ethylene Chloride</b> (Vinyl Chloride) CH <sub>2</sub> CHCl	Dry	N	N	C to 73	N	C to 140	---	---	C to 140	---	---
<b>Ethylene Chlorohydrin</b> ClCH <sub>2</sub> CH <sub>2</sub> OH	--	---	N	73	N	---	N	---	---	---	---
	Liquid	---	---	---	---	---	---	C to 68	---	---	---
<b>Ethylene Diamine</b> NH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	--	N	---	73	N	140	---	---	140	---	---
<b>Ethylene Dichloride</b> C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	Dry	N	N	C to 140	N	C to 73	140	---	C to 73	---	---
<b>Ethylene Glycol</b> OHCH <sub>2</sub> CH <sub>2</sub> OH	Liquid	73	C to 180	212	140	140	140	R to 212	R to 212	---	C to 176
<b>Ethylene Oxide</b> CH <sub>2</sub> CH <sub>2</sub> O	--	---	N	C to 73	N	73	---	---	73	C to 140	---
<b>2-Ethylhexanol</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CHC <sub>2</sub> H <sub>5</sub> CH <sub>2</sub> OH	--	---	---	---	---	73	---	---	73	---	---
<b>Fatty Acids</b> R-COOH	--	160	73	120	140	120	150	---	120	194	---
<b>Ferric Chloride (Aqueous)</b> FeCl <sub>3</sub>	Sat'd	120	180	140	140	140	150	R to 212	140	---	---
<b>Ferric Hydroxide</b> Fe(OH) <sub>3</sub>	Sat'd	160	180	140	140	140	---	---	140	---	---
<b>Ferric Nitrate</b> Fe(NO <sub>3</sub> ) <sub>3</sub> • 9H <sub>2</sub> O	Sat'd	160	180	140	140	140	140	R to 212	140	---	---
<b>Ferric Sulfate</b> Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	--	160	180	140	140	140	140	---	140	---	---
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Ferrous Chloride</b> FeCl <sub>2</sub>	Sat'd	160	180	140	140	140	140	R to 212	140	---	---
<b>Ferrous Hydroxide</b> Fe(OH) <sub>2</sub>	Sat'd	160	180	140	140	140	---	---	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Ferrous Nitrate</b> Fe(NO <sub>3</sub> ) <sub>2</sub>	--	160	180	140	140	140	---	---	140	---	---
<b>Ferrous Sulfate</b> FeSO <sub>4</sub>	--	160	180	140	140	140	140	---	140	---	---
	20%	---	---	---	---	---	---	---	---	---	R to 73
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Ferrous Chloride</b> FeCl <sub>2</sub>	Sat'd	160	180	140	140	140	140	R to 212	140	---	---
<b>Fish Oil</b>	---	---	180	180	140	140	140	---	140	---	---
<b>Fluoroboric Acid</b> HBF <sub>4</sub>	---	73	73	140	140	140	---	---	140	---	---
	Solid	---	---	---	---	---	---	R to 104	---	---	---
<b>Fluorine Gas (Dry)</b> F <sub>2</sub>	100%	---	73	N	73	C to 73	C to 73	---	C to 73	N	---
<b>Fluorine Gas (Wet)</b> F <sub>2</sub>	--	N	73	N	73	N	N	---	N	N	---
<b>Fluorosilicic Acid</b> H <sub>2</sub> SiF <sub>6</sub>	25%	---	---	---	---	---	---	R to 212	---	---	---
	30%	---	R to 140	140	140	140	---	R to 212	---	---	---
	40%	---	---	---	---	---	---	R to 140	---	---	---
	50%	---	73	73	140	140	140	R to 212	--	---	---
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Formaldehyde</b> HCHO	Dilute	160	73	140	140	140	140	R to 176	---	C to 104	---
	35%	160	C to 73	140	140	140	140	---	140	---	---
	37%	160	C to 73	140	140	140	140	R to 212	140	---	---
	50%	---	C to 73	---	140	140	140	---	140	---	---



Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Formic Acid</b> HCOOH	--	N	C to 73	140	73	140	150	---	140	---	---
	10%	---	---	---	---	---	---	R to 212	R to 140	N	N
	40%	---	---	---	---	---	---	R to 212	R to 140	---	---
	50%	---	---	---	---	---	---	R to 176	R to 140	---	---
	85%	---	---	---	---	---	---	R to 212	---	---	---
	100%	---	---	---	---	140	---	---	140	---	---
<b>Freon 11</b> CCl <sub>3</sub> F	100%	N	73	N	140	73	---	---	73	---	---
<b>Freon 12</b> CCl <sub>2</sub> F <sub>2</sub>	100%	---	73	73	140	73	---	---	73	68	---
	Work. Sol.	---	---	---	---	---	---	R to 212	R to 68	---	---
<b>Freon 21</b> CHCl <sub>2</sub> F	100%	---	---	N	N	C to 120	---	---	C to 120	---	---
<b>Freon 22</b> CHClF <sub>2</sub>	100%	---	73	73	N	C to 120	---	---	C to 120	68	---
<b>Freon 113</b> C <sub>2</sub> Cl <sub>2</sub> F <sub>3</sub>	100%	---	---	N	140	73	---	---	73	---	---
<b>Freon 114</b> C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>	100%	---	---	N	140	73	---	---	73	---	---
<b>Fructose</b> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Sat'd	73	180	180	140	140	140	---	140	---	---
<b>Fruit Juice</b>	Work. Sol.	---	---	---	---	---	---	R to 212	---	104	---
<b>Furfural</b> C <sub>4</sub> H <sub>3</sub> OCHO	100%	N	N	N	N	C to 140	---	---	C to 140	C to 140	---
<b>Gallic Acid</b> C <sub>6</sub> H <sub>2</sub> (OH) <sub>3</sub> CO <sub>2</sub> H • H <sub>2</sub> O	--	---	73	---	140	73	---	---	73	---	---
<b>Gasoline, Leaded*</b>	--	N	N	N	140	73	N	---	73	---	---
<b>Gasoline, Unleaded*</b>	--	N	N	N	140	73	N	---	73	---	R to 176
<b>Gasoline (Fuel)</b>	--	---	---	---	---	---	---	R to 212	---	R to 160	---
<b>Gasohol*</b>	--	N	N	N	140	73	N	---	73	---	---
<b>Gasoline, Sour*</b>	--	N	N	N	140	C to 73	N	---	C to 73	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Gelatin</b>	--	---	180	180	140	140	140	---	140	---	---
<b>Glucose</b> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> • H <sub>2</sub> O	--	120	180	212	140	140	140	---	140	---	---
	10%	---	---	---	---	---	---	R to 248	---	---	---
<b>Glue</b>	--	---	---	140	140	140	---	---	140	---	---
<b>Glycerine</b> C <sub>3</sub> H <sub>5</sub> (OH) <sub>3</sub>	--	140	180	212	140	140	140	---	140	---	---
	Liquid	---	---	---	---	---	---	R to 248	---	---	---
<b>Glycol</b> OHCH <sub>2</sub> CH <sub>2</sub> OH	--	---	C to 180	212	140	140	---	---	140	C to 140	---
<b>Glycolic Acid</b> OHCH <sub>2</sub> COOH	Sat'd	---	180	73	140	140	---	---	140	---	---
	10%	---	---	---	---	---	---	R to 212	---	---	---
	30%	---	---	---	---	---	---	R to 140	---	---	---
	65%	---	---	---	---	---	---	R to 212	---	---	---
<b>Glyoxal</b> OCHCHO	--	---	---	---	---	140	---	---	140	---	---
<b>Grape Sugar</b>	--	---	180	---	140	---	---	---	---	---	---
<b>Grapefruit Juice</b>	Work. Sol.	---	---	---	---	---	---	R to 122	---	---	---
<b>Grease</b>	--	---	---	---	---	---	---	---	---	194	---
<b>Green Liquor</b>	--	160	180	---	140	---	140	---	---	---	---
<b>Heptane (Type 1)</b> C <sub>7</sub> H <sub>16</sub>	--	73	180	N	140	73	N	---	73	---	---
	Liquid	---	---	---	---	---	---	R to 212	C to 176	---	---
<b>n-Hexane</b> C <sub>6</sub> H <sub>14</sub>	--	C	73	73	73	---	---	---	---	---	---
	Liquid	---	---	---	---	---	---	R to 176	---	---	R to 73
<b>Hexanol, Tertiary Type I</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>2</sub> OH	--	---	180	---	140	140	140	---	140	---	---
<b>Hydraulic Oil (Petroleum)</b>	--	---	---	---	73	73	---	---	73	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Hydrazine</b> H <sub>2</sub> NNH <sub>2</sub>	--	---	N	73	N	---	---	---	---	---	---
<b>Hydrobromic Acid</b> HBr	20%	73	73	140	140	140	140	R to 212	140	---	---
	50%	N	---	120	---	140	---	R to 140	140	---	---
	66%	---	---	---	---	---	---	R to 212	---	---	---
<b>Hydrochloric Acid</b> HCl	1%	---	---	---	---	---	---	---	---	---	R to 176
	10%	C to 120	180	140	140	140	140	R to 212	R to 212	C to 104	N
	20%	---	---	---	---	---	---	R to 212	R to 212	---	---
	30%	C to 73	180	140	140	140	140	R to 212	R to 140	---	---
	Conc.	---	---	---	---	---	---	---	R to 140	---	---
<b>Hydrocyanic Acid</b> HCN	--	160	180	73	140	140	140	---	140	---	---
	Sat'd	---	---	---	---	---	---	R to 248	---	---	---
	10%	---	---	---	---	---	---	R to 248	---	---	---
<b>Hydrofluoric Acid</b> HF	Dilute	73	73	180	73	140	140 140	R to 212	140	---	---
	30%	N	73	140	73	140	---	---	140	---	---
	40%	---	---	---	---	---	---	R to 212	---	---	---
	50%	N	N	73	73	120 140	140	R to 212	120	---	---
	60%	---	---	---	---	---	---	R to 140	140	---	---
	70%	---	---	---	---	---	---	R to 212	---	---	---
	100%	N	N	C to 73	N	---	---	---	120	---	---
	Gas	---	---	---	---	---	---	R to 104	---	---	---
<b>Hydrogen</b> H <sub>2</sub>	Gas	---	73	140	140	140	140	R to 248	140	194	---
<b>Hydrogen Cyanide</b> HCN	--	---	---	73	140	---	---	---	---	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Hydrogen Fluoride, Anhydrous</b> HF	--	---	C	73	N	---	---	---	---	---	---
<b>Hydrogen Peroxide</b> H <sub>2</sub> O <sub>2</sub>	3%	---	---	---	---	---	---	---	---	---	R to 73
	10%	---	---	---	---	---	---	R to 212	---	---	---
	30%	---	---	---	---	---	---	R to 212	---	C to 104	---
	50%	---	180	73	140	140	N	R to 212	140	---	---
	90%	---	180	C to 73	140	73	N	---	73	---	---
<b>Hydrogen Phosphide (Type I)</b> PH <sub>3</sub>	--	---	73	---	140	140	140	---	140	---	---
<b>Hydrogen Sulfide</b> H <sub>2</sub> S	Dry	---	180	150	140	140	140	R to 248	140	---	---
	Wet	---	180	---	140	140	---	---	140	---	---
<b>Hydrogen Sulfite</b> H <sub>2</sub> SO <sub>3</sub>	10%	---	---	---	---	140	---	R to 248	140	---	---
<b>Hydroquinone</b> C <sub>6</sub> H <sub>4</sub> (OH) <sub>2</sub>	Sat'd	---	180	---	140	140	140	---	---	140	---
<b>Hydroxylamine Sulfate</b> (NH <sub>2</sub> OH)O <sub>2</sub> SO <sub>4</sub>	--	---	180	---	140	140	---	---	140	---	---
<b>Hypochlorous Acid</b> HOCl	10%	73	180	73	140	140	140	---	140	---	---
	70%	---	---	---	---	---	---	R to 212	---	---	---
<b>Inks</b>	--	---	---	140	---	140	---	---	140	---	---
<b>Iodine</b> I <sub>2</sub>	10%	N	73	73	N	C to 120	N	R to 176	C to 120	---	---
<b>Isobutyl Alcohol</b> (CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> OH	--	C to 73	C to 73	73	---	140	---	---	140	---	---
<b>Isooctane</b> (CH <sub>3</sub> ) <sub>3</sub> CCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	--	---	---	C to 73	---	73	---	---	73	---	---
	Liquid	---	---	---	---	---	---	R to 212	---	---	---
<b>Isopropyl Acetate</b> CH <sub>3</sub> COOCH(CH <sub>3</sub> ) <sub>2</sub>	--	N	N	---	---	73	---	---	73	---	---
<b>Isopropyl Alcohol</b> (CH <sub>3</sub> ) <sub>2</sub> CHOH	--	---	C to 180	212	140	140	140	C to 212	140	---	R to 73
<b>Isopropyl Ether</b> (CH <sub>3</sub> ) <sub>2</sub> CHOCH(CH <sub>3</sub> ) <sub>2</sub>	--	---	N	C to 73	N	73	---	---	73	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>JP-4 Fuel*</b>	--	---	C to 73	C to 73	140	73	---	---	73	---	---
<b>JP-5 Fuel*</b>	--	---	C to 73	C to 73	140	73	---	---	73	---	---
<b>Kerosene*</b>	--	73	73	C to 140	140	C to 140	C to 73	---	C to 140	---	---
<b>Ketchup</b>	--	---	---	---	73	---	---	---	---	---	---
<b>Ketones</b>	--	N	N	C to 73	N	73	---	---	73	---	---
	Work Sol	---	---	---	---	---	---	---	R to 302	---	---
<b>Kraft Liquors</b>	--	73	180	---	140	120	140	---	120	---	---
<b>Lactic Acid</b> CH <sub>3</sub> CHOHCOOH	10%	---	---	---	---	---	---	R to 140	---	---	---
	20%	---	---	---	---	---	---	---	---	---	R to 73
	25%	73	180	212	140	140	140	---	140	---	---
	80%	N	C to 180	140	73	140	---	---	140	---	---
	Liquid	---	---	---	---	---	---	R to 212	---	R to 194	---
<b>Lard Oil</b>	--	---	C to 180	---	140	C to 120	73	---	C to 120	---	---
<b>Latex</b>	--	---	---	140	---	140	---	---	140	---	---
<b>Lauric Acid</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>10</sub> COOH	--	---	180	140	140	120	---	---	120	---	---
<b>Lauryl Chloride (Type I)</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>10</sub> CH <sub>2</sub> Cl	--	---	73	---	140	120	73	R to 248	120	---	---
<b>Lead Acetate</b> Pb(C <sub>2</sub> H <sub>3</sub> COO) <sub>2</sub> · 3H <sub>2</sub> O	Sat'd	---	180	180	140	140	140	R to 212	140	---	---
<b>Lead Chloride</b> PbCl <sub>2</sub>	--	---	180	140	140	120	---	---	120	---	---
<b>Lead Nitrate</b> Pb(NO <sub>3</sub> ) <sub>2</sub>	Sat'd	---	180	140	140	120	---	---	120	---	---
<b>Lead Sulfate</b> PbSO <sub>4</sub>	--	---	180	140	140	120	---	---	120	---	---
<b>Lead Tetraethyl</b> C <sub>8</sub> H <sub>20</sub> Pb	--	---	---	---	---	---	---	R to 212	---	---	---
<b>Lemon Oil</b>	--	---	N	C to 73	---	---	---	---	---	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
Lemon Juice	--	---	---	---	---	C to 140	---	---	C to 140	---	---
Ligroin	--	---	---	140	---	---	---	---	---	---	---
Lime Slurry	--	---	---	---	---	140	---	---	140	---	---
Lime Sulfur	--	---	73	73	73	120	140	---	120	---	---
Linoleic Acid CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> (CH=CHCH <sub>2</sub> ) <sub>2</sub> (CH <sub>2</sub> ) <sub>6</sub> COOH	--	---	180	180	140	---	73	---	---	---	---
Linoleic Oil (Type I)	--	---	---	---	140	---	73	---	---	---	---
Linseed Oil	--	73	C to 180	140	140	R to 73	73	R to 248	R to 73	194	---
Liqueurs	--	---	---	140	140	120	140	---	120	---	---
Lithium Bromide LiBr	--	---	---	140	140	140	---	---	140	---	---
Lithium Chloride LiCl	--	---	---	140	140	120	---	---	120	---	---
Lithium Hydroxide LiOH	--	---	---	140	---	120	---	---	120	---	---
Lubricating Oil (ASTM #1)	--	---	180	C to 140	140	73	140	R to 248	73	---	---
Lubricating Oil (ASTM #2)	--	---	180	C to 140	140	73	140	---	73	---	---
Lubricating Oil (ASTM #3)	--	---	180	C to 140	140	73	140	---	73	---	---
Magnesium Carbonate MgCO <sub>3</sub>	--	120	180	212	140	140	140	R to 212	140	---	---
Magnesium Chloride MgCl <sub>2</sub>	Sat'd	120	180	140	140	140	140	R to 140	140	---	---
	50%	---	---	---	---	---	---	R to 212	---	194	---
Magnesium Citrate MgHC <sub>6</sub> H <sub>5</sub> O <sub>7</sub> ·o5H <sub>2</sub> O	--	---	180	---	140	140	---	---	140	---	---
Magnesium Hydroxide Mg(OH) <sub>2</sub>	Sat'd	160	180	180	140	140	140	R to 212	140	---	---
Magnesium Nitrate Mg(NO <sub>3</sub> ) <sub>2</sub> ·o2H <sub>2</sub> O	--	160	180	212	140	140	140	R to 248	140	---	---
Magnesium Oxide MgO	--	160	---	---	---	---	---	---	---	---	---
Magnesium Sulfate MgSO <sub>4</sub> ·o7H <sub>2</sub> O	--	160	180	212	140	140	140	R to 212	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Maleic Acid</b> HOOCCH=CHCOOH	Sat'd	160	180	140	140	140	140	R to 140	140	---	---
	50%	---	---	---	---	---	---	R to 212	---	---	---
	10%	---	---	---	---	---	---	R to 140	---	---	---
<b>Malic Acid</b> COOHCH <sub>2</sub> CH(OH)COOH	--	---	180	140	140	140	140	---	140	---	---
<b>Manganese Sulfate</b> MnSO <sub>4</sub> • 4H <sub>2</sub> O	--	---	180	180	140	140	---	---	140	---	---
<b>Margarine</b>	Work Sol.	---	---	---	---	---	---	R to 248	---	---	---
<b>Mercuric Chloride</b> HgCl <sub>2</sub>	--	---	180	180	140	140	140	---	140	---	---
	Sat'd	--	---	---	---	---	---	R to 212	---	---	---
<b>Mercuric Cyanide</b> Hg(CN) <sub>2</sub>	Sat'd	---	180	140	140	140	140	R to 212	140	---	---
<b>Mercuric Sulfate</b> HgSO <sub>4</sub>	Sat'd	---	180	140	140	140	---	---	140	---	---
<b>Mercurous Nitrate</b> HgNO <sub>3</sub> • 2H <sub>2</sub> O	Sat'd	---	180	140	140	140	140	---	140	---	---
	10%	---	---	---	---	---	---	R to 212	---	---	---
<b>Mercury</b> Hg	Liquid	---	180	140	140	140	140	R to 248	140	194	---
<b>Methane</b> CH <sub>4</sub>	--	N	73	73	140	140	---	---	140	140	---
<b>Methanol (Methyl Alcohol)</b> CH <sub>3</sub> OH	--	---	N	180	140	R to 140	140	---	R to 140	---	---
	5%	-	---	---	---	---	---	R to 140	---	---	---
	Liquid	---	---	---	---	---	---	C to 176	R to 140	---	R to 176
<b>Methoxyethyl Oleate</b> CH <sub>3</sub> OCH <sub>2</sub> CH <sub>2</sub> OOCC <sub>17</sub> H <sub>33</sub>	--	---	---	---	73	---	---	---	---	---	---
<b>Methyl Acetate</b> CH <sub>3</sub> CO <sub>2</sub> CH <sub>3</sub>	--	N	N	140	N	C to 120	---	---	C to 120	---	---
<b>Methyl Acrylate</b> CH <sub>2</sub> =CHCOOCH <sub>3</sub>	Tech Pure	---	---	---	---	140	---	---	140	---	---
<b>Methyl Amine</b> CH <sub>3</sub> NH <sub>2</sub>	--	---	N	N	N	---	---	---	---	---	---
<b>Methyl Bromide</b> CH <sub>3</sub> Br	--	---	N	N	N	C to 73	---	---	C to 73	R to 68	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Methyl Butyl Ketone</b> CH <sub>3</sub> CO(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	Liquid	---	---	---	---	---	---	C to 122	---	---	---
<b>Methyl Cellosolve</b> HOCH <sub>2</sub> CH <sub>2</sub> OCH <sub>3</sub>	--	---	N	73	N	C to 120	---	---	C to 120	---	---
<b>Methyl Chloride</b> CH <sub>3</sub> Cl	Dry	N	N	N	N	C to 120	N	---	C to 120	R to 68	---
<b>Methyl Chloroform</b> CH <sub>3</sub> CCl <sub>3</sub>	--	N	N	C to 73	N	C to 120	---	---	C to 120	---	---
<b>Methyl Ethyl Ketone (MEK)</b> CH <sub>3</sub> COC <sub>2</sub> H <sub>5</sub>	100%	N	N	73	N	N	73	C to 68	R to 140	C to 140	R to 73 C to 176
<b>Methyl Isobutyl Carbinol</b> (CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH(CH <sub>3</sub> )OH	--	---	N	---	N	---	---	---	---	---	---
<b>Methyl Isobutyl Ketone</b> (CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> COCH <sub>3</sub>	--	N	N	73	N	73	---	---	73	---	---
<b>Methyl Isopropyl Ketone</b> CH <sub>3</sub> COCH(CH <sub>3</sub> ) <sub>2</sub>	--	---	N	---	N	73	---	---	73	---	---
<b>Methyl Methacrylate</b> CH <sub>2</sub> =C(CH <sub>3</sub> )COOCH <sub>3</sub>	--	---	N	---	73	140	---	R to 68	140	---	---
<b>Methyl Sulfate</b> (CH <sub>3</sub> ) <sub>2</sub> SO <sub>4</sub>	--	---	73	C to 73	73	140	---	---	---	68	---
<b>Methylene Bromide</b> CH <sub>2</sub> Br <sub>2</sub>	--	---	N	N	N	C to 120	---	---	C to 120	---	---
<b>Methylene Chloride</b> CH <sub>2</sub> Cl <sub>2</sub>	100%	---	N	N	N	N	73	C to 104	N	---	C to 176
<b>Methylene Chlorobromide</b> CH <sub>2</sub> ClBr	--	---	N	--	N	---	---	---	---	---	---
<b>Methylene Iodide</b> CH <sub>2</sub> I <sub>2</sub>	--	---	N	N	N	C to 120	---	---	C to 120	---	---
<b>Methylsulfuric Acid</b> CH <sub>3</sub> HSO <sub>4</sub>	--	---	180	140	140	---	---	---	---	---	---
<b>Milk</b>	--	160	180	212	140	140	140	R to 212	140	194	---
<b>Mineral Oil</b>	--	73	180	C to 140	140	R to 73	C to 73	R to 212	C to 176	---	---
<b>Molasses</b>	--	---	180	140	140	140	140	---	140	---	---
<b>Monochloroacetic Acid</b> CH <sub>2</sub> ClCOOH	50%	---	---	140	140	140	---	---	140	---	---
<b>Monochlorobenzene</b> C <sub>6</sub> H <sub>5</sub> Cl	Tech Pure	---	N	73	N	C to 120	---	---	C to 120	---	---
<b>Monoethanolamine</b> HOCH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	--	---	---	---	N	---	---	---	---	---	---
<b>Motor Oil</b>	--	---	180	C to 140	140	R to 140	---	---	R to 140	---	---



Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Morpholine</b> C <sub>4</sub> H <sub>8</sub> ONH	--	---	---	140	---	140	---	---	140	---	---
<b>Mustard, Aqueous</b>	Work. Sol.	---	---	---	---	---	---	R to 248	---	---	---
<b>N-methyl Pyrrolidone</b> C <sub>5</sub> H <sub>9</sub> NO	100%	---	---	---	---	---	---	---	---	---	C to 73
<b>Naphtha</b>	--	---	73	73	140	73	73	R to 122	C to 176	R to 140	---
<b>Naphthalene</b> C <sub>10</sub> H <sub>8</sub>	--	---	N	73	N	73	73	---	73	R to 194	---
<b>Natural Gas</b>	--	73	---	73	140	140	73	---	140	---	---
<b>Nickel Acetate</b> Ni(OOCCH <sub>3</sub> ) <sub>2</sub> • 4H <sub>2</sub> O	--	---	---	73	---	140	---	---	140	---	---
<b>Nickel Chloride</b> NiCl <sub>2</sub>	Sat'd	160	180	180	140	140	140	R to 212	140	---	---
<b>Nickel Nitrate</b> Ni(NO <sub>3</sub> ) <sub>2</sub> • 6H <sub>2</sub> O	Sat'd	160	180	180	140	140	140	R to 248	140	---	---
<b>Nickel Sulfate</b> NiSO <sub>4</sub>	Sat'd	160	180	180	140	140	140	R to 212	140	---	---
<b>Nicotine</b> C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	--	---	180	---	140	140	140	---	140	---	---
<b>Nicotinic Acid</b> C <sub>5</sub> H <sub>4</sub> NCOOH	--	---	180	---	140	140	140	R to 212	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Nitric Acid</b> HNO <sub>3</sub>	5%	---	---	---	---	---	---	R to 176	C to 140	N	---
	10%	C to 73	180	180	140	73	C to 73	R to 212	C to 140	---	---
	20%	---	---	---	---	---	---	R to 212	C to 140	---	---
	25%	---	---	---	---	---	---	R to 212	C to 140	---	---
	30%	N	R to 130	140	140	73	N	R to 212	C to 140	---	---
	35%	---	---	---	---	---	---	---	C to 140	---	---
	40%	N	R to 120	73	140 100	73	N	C to 248	140 140	---	---
	50%	N	110	N	---	C to 73	N	---	---	---	---
	65%	---	---	---	73	---	---	C to 248	C to 73	---	---
	70%	N	100	N	---	C to 73	N	---	---	---	---
	85%	---	---	---	---	---	---	N	---	---	---
	95%	---	---	---	---	---	N	---	---	---	---
	100%	N	N	N	N	N	N	---	N	---	---
<b>Nitrobenzene</b> C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	100%	N	N	C to 140	N	N	---	R to 122	N	---	---
<b>Nitroglycerine</b> CH <sub>2</sub> NO <sub>3</sub> CHNO <sub>3</sub> CH <sub>2</sub> NO <sub>3</sub>	--	---	---	---	N	73	---	---	73	---	---
<b>Nitroglycol</b> NO <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> NO <sub>3</sub>	--	---	---	---	N	---	---	---	---	---	---
<b>Nitrous Acid</b> HNO <sub>2</sub>	10%	---	180	C to 73	140	73	---	---	73	---	---
<b>Nitrous Oxide</b> N <sub>2</sub> O	--	---	73	73	73	73	---	---	73	---	---
<b>n-Octane</b> C <sub>8</sub> H <sub>18</sub>	--	---	C to 73	---	---	---	---	---	---	---	---
<b>Oleic Acid</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>7</sub> CH=CH(CH <sub>2</sub> ) <sub>7</sub> COOH	--	160	180	73	140	C to 140	150	R to 248	C to 140	R to 140	---
<b>Oleum x H<sub>2</sub></b> SO <sub>4</sub> o <sub>y</sub> SO <sub>3</sub>	--	N	N	N	N	N	N	N	N	---	---
<b>Olive Oil</b>	--	160	C to 180	73	140	140	---	R to 248	R to 68	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Oxalic Acid</b> HOOC(=O)H <sub>2</sub> O	50%	160	180	140	140	140	140	---	140	---	---
	10%	---	---	---	---	---	---	R to 140	---	R to 140	---
	Sat'd	---	---	---	---	---	---	R to 122	---	---	---
<b>Oxygen Gas</b> O <sub>2</sub>	--	160	180	N	140	140	---	R to 212	140	R to 140	---
<b>Ozone</b> O <sub>3</sub>	--	---	180	C to 73	140	C to 120	---	---	C to 120	C to 68	---
	Sat'd	---	---	---	---	---	---	R to 68	---	---	---
<b>Palm Oil</b>	--	---	---	73	---	140	---	---	140	---	---
<b>Palmitic Acid</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> COOH	10%	73	73	180	140	120	150	---	120	---	---
	70%	---	73	180	73	120	---	---	120	---	---
<b>Paraffin</b> C <sub>36</sub> H <sub>74</sub>	--	73	180	140	140	C to 140	---	R to 212	C to 140	---	---
<b>Peanut Oil</b>	--	---	C to 180	140	---	---	---	R to 248	---	---	---
<b>n-Pentane</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	--	N	C to 180	N	C to 140	C to 120	---	---	C to 120	---	--
<b>Peracetic Acid</b> CH <sub>3</sub> COOOH	40%	N	---	73	73	---	---	---	---	---	---
<b>Perchloric Acid (Type I)</b> HClO <sub>4</sub>	10%	---	---	---	---	---	---	R to 212	---	---	---
	20%	---	---	---	---	---	---	R to 212	---	---	---
	15%	---	180	140	73	140	C to 73	---	140	---	---
	70%	73	180	C to 73	73	73	N	R to 212	73	---	---
<b>Perchloroethylene</b> (tetrachloroethylene) Cl <sub>2</sub> C=CCl <sub>2</sub>	--	N	N	C to 73	C to 140	C to 120	---	C to 212	C to 120	C to 68	---
<b>Perphosphate</b>	--	---	73	140	73	---	---	---	---	---	---
<b>Petroleum Ether</b>	--	---	---	---	---	---	---	R to 212	---	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Phenol</b> C <sub>6</sub> H <sub>5</sub> OH	--	N	73	73	73	140	73	---	140	N	---
	5%	---	---	---	---	---	---	---	R to 248	---	---
	50%	---	---	---	---	---	---	R to 176	---	---	---
	90%	---	---	---	---	R to 140	---	---	R to 140	---	---
	Solid	---	---	---	---	---	---	C to 122	---	---	---
<b>Phenylhydrazine</b> C <sub>6</sub> H <sub>5</sub> NHNH <sub>2</sub>	--	---	N	N	N	C to 120	---	R to 104	C to 120	---	---
<b>Phenylhydrazine Hydrochloride</b> C <sub>6</sub> H <sub>5</sub> NHNH <sub>2</sub> ·HCl	10%	---	---	---	---	---	---	R to 140	---	---	---
<b>Phosphine</b> PH <sub>3</sub>	Gas	---	---	---	---	---	---	R to 104	---	---	---
<b>Phosphoric Acid</b> H <sub>3</sub> PO <sub>4</sub>	10%	---	180	212	140	140	140	---	140 140	---	---
	50%	73	180	212	140	140	73	R to 212	---	C to 104	---
	75%	---	---	---	---	---	---	R to 212	73	---	---
	85%	---	180	212	140	73	---	C to 284	---	---	---
	98%	---	---	---	---	---	---	R to 212	---	---	---
<b>Phosphoric Anhydride</b> P <sub>2</sub> O <sub>5</sub>	--	---	73	73	73	---	---	---	---	---	---
<b>Phosphorous (Red)</b>	--	---	---	---	73	140	---	---	140	---	---
<b>Phosphorous (Yellow)</b>	--	---	---	---	73	140	---	---	140	---	---
<b>Phosphorus Oxychloride</b> POCl <sub>3</sub>	Liquid	---	---	---	---	---	---	R to 68	---	---	---
<b>Phosphorus Pentoxide</b> P <sub>2</sub> O <sub>5</sub>	--	---	73	73	73	140	---	---	140	---	---
<b>Phosphorus Trichloride</b> PCl <sub>3</sub>	--	--	N	73	N	120	C to 73	C to 122	120	---	---
<b>Photographic Solutions</b>	--	---	180	140	140	140	140	---	140	---	---
<b>Phthalic Acid</b> C <sub>6</sub> H <sub>4</sub> (COOH) <sub>2</sub>	--	---	---	140	C to 140	140	---	---	140	---	---
	Susp.	---	---	---	---	---	---	R to 212	---	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Picric Acid</b> C <sub>6</sub> H <sub>2</sub> (NO <sub>2</sub> ) <sub>3</sub> OH	10%	N	N	73	N	73	73	R to 212	73	C to 68	---
	50%	---	---	---	---	---	---	R to 212	---	---	---
	Sat'd.	---	---	---	---	---	---	R to 212	---	---	---
<b>Pine Oil</b>	--	---	N	140	---	R to 73	---	---	R to 73	---	---
<b>Plating Solutions (Brass)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Cadmium)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Chrome)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Copper)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Gold)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Lead)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Nickel)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Rhodium)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Silver)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Tin)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Plating Solutions (Zinc)</b>	--	---	180	140	140	140	C to 73	---	140	---	---
<b>Potash (Aq)</b> KOH	Sat'd	---	180	---	140	140	---	---	140	---	---
<b>Potassium Alum</b> AlK (SO <sub>4</sub> ) <sub>2</sub> o12H <sub>2</sub> O	--	---	180	---	140	140	---	---	140	---	---
<b>Potassium Aluminum Sulfate</b> AlK (SO <sub>4</sub> ) <sub>2</sub> o12H <sub>2</sub> O	--	---	180	180	140	---	C to 73	---	---	---	---
<b>Potassium Amyl Xanthate</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> OC(=S)-S.K	--	---	---	---	73	---	---	---	---	---	---
<b>Potassium Bicarbonate</b> KHCO <sub>3</sub>	Sat'd	---	180	140	140	140	140	R to 212	140	---	---
<b>Potassium Bi- chromate</b> K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	Sat'd	---	180	140	140	---	C to 73	R to 212	---	---	---
	40%	---	---	---	---	---	---	R to 212	---	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Potassium Bisulfate</b> KHSO <sub>4</sub>	--	---	180	212	140	140	---	R to 212	140	---	---
<b>Potassium Borate</b> K <sub>2</sub> B <sub>4</sub> O <sub>7</sub> o4H <sub>2</sub> O	--	--	180	140	140	140	140	R to 212	140	---	---
<b>Potassium Bromate</b> KBrO <sub>3</sub>	--	---	180	212	140	140	140	R to 212	140	---	---
	10%	---	---	---	---	---	---	---	R to 212	---	---
<b>Potassium Bromide</b> KBr	--	---	180	212	140	140	140	R to 248	140	---	---
<b>Potassium Carbonate</b> K <sub>2</sub> CO <sub>3</sub>	--	73	180	180	140	140	140	N	140	---	---
<b>Potassium Chlorate (Aqueous)</b> KClO <sub>3</sub>	--	160	180	212	140	140	140	N	140	---	---
<b>Potassium Chloride</b> KCl	--	160	180	212	140	140	140	R to 212	140	---	---
<b>Potassium Chromate</b> K <sub>2</sub> CrO <sub>4</sub>	--	---	180	212	140	140	140	---	140	---	---
<b>Potassium Cyanide</b> KCN	--	---	180	180	140	140	140	R to 212	140	---	---
<b>Potassium Dichromate</b> K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	Sat'd	--	180	180	140	140	140	---	140	---	---
<b>Potassium Ethyl Xanthate</b> KS <sub>2</sub> COC <sub>2</sub> H <sub>5</sub>	--	---	---	---	73	---	---	---	---	---	---
<b>Potassium Ferricyanide</b> K <sub>3</sub> Fe(CN) <sub>6</sub>	--	---	180	180	140	140	140	R to 248	140	---	---
<b>Potassium Ferrocyanide</b> K <sub>4</sub> Fe(CN) <sub>6</sub> o3H <sub>2</sub> O	--	---	180	180	140	140	---	R to 248	140	---	---
<b>Potassium Fluoride</b> KF	--	---	180	180	140	140	140	R to 212	140	---	---
<b>Potassium Hydroxide</b> KOH	4%	---	---	---	---	---	---	C to 104	---	---	---
	10%	---	---	---	---	---	---	R to 176	---	---	---
	20%	---	---	---	---	---	---	R to 176	---	---	---
	25%	160	180	212	140	R to 140	140	---	R to 140	---	---
	45%	---	---	---	---	---	---	---	---	---	R to 73
	50%	---	---	---	---	---	---	R to 176	---	C to 104	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Potassium hydrogen Sulfite</b> KHSO <sub>3</sub>	10%	---	---	---	---	---	---	R to 140	---	---	---
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Potassium Hypochlorite</b> KClO	--	160	180	---	140	120	---	---	120	---	---
	3%	---	---	---	---	---	---	R to 212	---	---	---
<b>Potassium Iodide</b> KI	--	---	180	73	73	140	---	R to 212	140	---	---
<b>Potassium Nitrate</b> KNO <sub>3</sub>	--	160	180	140	140	140	140	---	140	C to 104	---
	50%	---	---	---	---	---	---	R to 212	---	---	---
<b>Potassium Orthophosphate</b> H <sub>2</sub> KPO <sub>4</sub>	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Potassium Perborate</b> KBO <sub>3</sub>	--	---	180	140	140	140	140	---	140	---	---
<b>Potassium Perchlorate</b> KClO <sub>4</sub>	--	---	180	140	140	140	140	---	140	---	---
<b>Potassium Permanganate</b> KMnO <sub>4</sub>	10%	---	180	73	140	140	140	R to 176	140	---	---
	20%	---	---	---	---	---	---	R to 212	---	---	---
	25%	---	180	73	73	140	---	---	140	---	---
	30%	---	---	---	---	---	---	R to 212	---	---	---
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Potassium Persulfate</b> K <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	--	---	180	140	140	140	140	R to 176	140	---	---
<b>Potassium Sulfate</b> K <sub>2</sub> SO <sub>4</sub>	--	160	180	180	140	140	140	R to 212	140	194	---
<b>Potassium Sulfide</b> K <sub>2</sub> S	--	---	180	140	---	140	140	68	140	---	---
<b>Potassium Sulfite</b> K <sub>2</sub> SO <sub>3</sub> o2H <sub>2</sub> O	--	---	180	140	---	140	---	---	140	---	---
<b>Propane</b> C <sub>3</sub> H <sub>8</sub>	--	---	73	73	140	140	73	R to 248	140	140	---
<b>Propargyl Alcohol</b> HC≡CCH <sub>2</sub> OH	--	---	C to 180	140	140	140	140	---	140	---	---
<b>Propionic Acid</b> CH <sub>3</sub> CH <sub>2</sub> CO <sub>2</sub> H	--	N	N	140	---	140	---	R to 140	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Propyl Alcohol (Type I)</b> CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH	--	73	C to 73	140	140	R to 140	140	R to 122	R to 140	---	---
<b>Propylene Carbonate</b> C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	100%	---	---	---	---	---	---	---	---	---	R to 73
<b>Propylene Dichloride</b> CH <sub>3</sub> CHClCH <sub>2</sub> Cl	100%	---	N	N	N	N	---	---	N	---	---
<b>Propylene Oxide</b> CH <sub>3</sub> CHCH <sub>2</sub> O	--	---	N	73	N	140	---	---	140	---	---
<b>Pyridine</b> N(CH) <sub>4</sub> CH	--	---	N	C to 140	N	73	---	R to 68	73	C to 68	---
<b>Pyrogallic Acid</b> C <sub>6</sub> H <sub>3</sub> (OH) <sub>3</sub>	--	---	---	---	73	--	--	---	---	---	---
<b>Quinone</b> C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	--	---	---	140	---	140	---	---	140	---	---
<b>Rayon Coagulating Bath</b>	--	---	180	---	140	140	140	---	140	---	---
<b>Salicylaldehyde</b> C <sub>6</sub> H <sub>4</sub> OHCHO	--	---	---	73	N	120	---	---	120	---	---
<b>Salicylic Acid</b> C <sub>6</sub> H <sub>4</sub> (OH)(COOH)	--	---	---	140	140	140	---	R to 212	140	---	---
<b>Selenic Acid Aq.</b> H <sub>2</sub> SeO <sub>4</sub>	--	---	180	---	140	140	140	---	140	---	---
<b>Silicic Acid</b> SiO <sub>2</sub> on H <sub>2</sub> O	--	---	180	140	140	140	140	R to 212	140	---	---
<b>Silicone Oil</b>	--	---	180	212	73	73	---	---	73	---	---
<b>Silver Acetate</b> AgCH <sub>3</sub> COO	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Silver Chloride</b> AgCl	--	160	180	140	140	---	---	---	---	---	---
<b>Silver Cyanide</b> AgCN	--	---	180	180	140	140	140	R to 212	140	---	---
<b>Silver Nitrate</b> AgNO <sub>3</sub>	--	160	180	180	140	R to 140	C to 73	---	R to 140	---	---
	50%	---	---	---	---	---	---	R to 212	---	---	---
<b>Silver Sulfate</b> Ag <sub>2</sub> SO <sub>4</sub>	--	160	180	140	140	140	C to 73	---	140	---	---
<b>Soaps</b>	--	73	180	140	140	R to 140	140	---	R to 140	---	---
<b>Sodium Acetate</b> CH <sub>3</sub> COONa	Sat'd	---	180	212	140	140	140	R to 212	140	---	---
<b>Sodium Alum</b> AlNa(SO <sub>4</sub> ) <sub>2</sub> o12H <sub>2</sub> O	--	---	180	---	140	---	---	---	---	---	---



Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Sodium Aluminate</b> Na <sub>2</sub> Al <sub>2</sub> O <sub>4</sub>	Sat'd	---	---	---	140	---	---	---	---	---	---
<b>Sodium Benzoate</b> C <sub>6</sub> H <sub>5</sub> COONa	--	----	180	140	140	140	140	---	140	---	---
	35%	-	---	---	---	---	---	R to 68	---	---	---
	50%	---	---	---	---	---	---	R to 212	---	---	---
<b>Sodium Bicarbonate</b> NaHCO <sub>3</sub>	--	73	180	212	140	140	140	R to 212	140	---	---
<b>Sodium Bisulfate</b> NaHSO <sub>4</sub>	--	73	180	140	140	140	140	---	140	---	---
	50%	---	---	---	---	---	---	R to 212	---	---	---
<b>Sodium Bisulfite</b> NaHSO <sub>3</sub>	--	---	180	140	140	140	---	---	140	---	---
<b>Sodium Borate (Borax)</b> Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> o10H <sub>2</sub> O	Sat'd	160	180	180	140	140	140	---	140	---	---
<b>Sodium Bromide</b> NaBr	Sat'd	120	180	140	140	140	140	---	140	---	---
	50%	---	---	---	---	---	---	R to 248	---	---	---
<b>Sodium Carbonate</b> Na <sub>2</sub> CO <sub>3</sub>	--	73	180	212	140	140	140	N	140	R to 140	---
<b>Sodium Chlorate</b> NaClO <sub>3</sub>	Sat'd	---	180	140	73	140	140	N	140	---	---
<b>Sodium Chloride</b> NaCl	---	120	180	212	140	140	140	---	140	---	---
	Sat'd	---	---	---	---	---	---	R to 212	---	194	---
	10%	---	---	---	---	---	---	R to 212	---	---	R to 176
<b>Sodium Chlorite</b> NaClO <sub>2</sub>	25%	---	180	73	N	140	---	---	140	---	---
<b>Sodium Chromate</b> Na <sub>2</sub> CrO <sub>4</sub> o4H <sub>2</sub> O	--	120	180	140	---	140	---	R to 176	140	---	---
<b>Sodium Cyanide</b> NaCN	--	---	180	180	140	140	140	R to 212	140	---	---
<b>Sodium Dichromate</b> Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> o2H <sub>2</sub> O	Sat'd	----	180	---	140	---	---	----	---	----	---
	20%	-	180	180	140	140	140	-	140	-	---
	50%	---	---	---	---	---	---	R to 212	---	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Sodium Ferricyanide</b> Na <sub>3</sub> Fe(CN) <sub>6</sub> o2H <sub>2</sub> O	Sat'd	---	180	140	140	140	140	---	140	---	---
<b>Sodium Ferrocyanide</b> Na <sub>3</sub> Fe(CN) <sub>6</sub> o10H <sub>2</sub> O	Sat'd	---	180	140	140	140	140	---	140	---	---
<b>Sodium Fluoride</b> NaF	--	120	180	180	140	140	140	R to 212	140	---	---
<b>Sodium Hydrogen Sulfite</b> NaHSO <sub>3</sub>	50%	---	---	---	---	---	---	R to 212	---	---	---
<b>Sodium Hydroxide</b> NaOH	1%	---	---	---	---	---	---	---	R to 140	---	---
	5%	---	---	---	---	---	---	C to 68	---	---	---
	15%	120	180	212	140 140	140	140 140	---	R to 140	---	---
	30%	120	180	212	---	R to 140	---	N	R to 140	---	---
	40%	---	---	---	---	---	---	---	R to 140	---	---
	50%	120	180	212	140	140	140	---	140	C to 104	---
	60%	---	---	---	---	---	---	---	R to 140	---	---
	70%	120	180	212	140	140	140	---	140	---	---
<b>Sodium Hypochlorite</b> NaOCl o5H <sub>2</sub> O	--	120	180	73	73	140	140	---	140	---	N
	2% Cl	---	---	---	---	---	---	R to 212	---	---	---
	12.5% Cl	---	---	---	---	---	---	R to 68	---	---	---
<b>Sodium Iodide</b> NaI	--	---	180	---	140	---	---	---	---	---	---
<b>Sodium Metaphosphate</b> (NaPO <sub>3</sub> ) <sub>n</sub>	--	---	180	120	140	---	---	---	---	---	---
<b>Sodium Nitrate</b> NaNO <sub>3</sub>	Sat'd	160	180	180	140	140	140	R to 212	140	---	---
<b>Sodium Nitrite</b> NaNO <sub>2</sub>	--	160	180	73	140	140	140	R to 212	140	---	---
<b>Sodium Palmitate</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> COONa	5%	---	180	140	140	---	---	---	---	---	---
<b>Sodium Perborate</b> NaBO <sub>3</sub> o4H <sub>2</sub> O	--	120	180	73	140	73	---	---	73	---	---
<b>Sodium Perchlorate</b> NaClO <sub>4</sub>	--	---	180	212	140	140	---	---	140	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Sodium Peroxide</b> Na <sub>2</sub> O <sub>2</sub>	10%	---	180	---	140	140	---	---	140	---	---
<b>Sodium Phosphate</b> NaH <sub>2</sub> PO <sub>4</sub>	Acid	120	180	212	140	140	140	R to 140	140	---	---
	Alkaline	---	120	180	212	140	140	---	140	---	---
	Neutral	---	120	180	212	140	140	---	R to 212	---	---
<b>Sodium Silicate</b> 2Na <sub>2</sub> O·SiO <sub>2</sub>	--	----	180	140	140	140	140	---	140	---	---
	10%	-	---	---	---	---	---	R to 140	---	---	---
	50%	---	---	---	---	---	---	R to 212	---	---	---
<b>Sodium Sulfate</b> Na <sub>2</sub> SO <sub>4</sub>	Sat'd	160	180	212	140	140	140	R to 212	---	---	---
	0.10%	---	---	---	---	---	---	R to 140	---	---	---
<b>Sodium Sulfide</b> Na <sub>2</sub> S	Sat'd	160	180	212	140	140	140	---	140	C to 104	---
<b>Sodium Sulfite</b> Na <sub>2</sub> SO <sub>3</sub>	Sat'd	160	180	212	140	140	140	R to 212	140	---	---
<b>Sodium Thiosulfate</b> Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ·5H <sub>2</sub> O	--	---	180	180	140	140	140	---	140	---	---
	50%	---	---	---	---	---	---	R to 248	---	---	---
<b>Sour Crude Oil</b>	--	---	---	140	140	---	---	---	---	---	---
<b>Soybean Oil</b>	--	---	---	73	---	140	---	---	140	---	---
<b>Stannic Chloride</b> SnCl <sub>4</sub>	Sat'd	---	180	140	140	140	140	---	140	---	---
<b>Stannous Chloride</b> SnCl <sub>2</sub>	15%	120	180	140	140	140	140	---	140	---	---
	Sat'd	---	---	---	---	140	---	---	140	---	---
<b>Starch</b>	--	---	180	140	140	140	---	---	140	---	---
<b>Starch Solution</b>	Sat'd	---	---	---	---	140	---	---	140	---	---
<b>Stearic Acid</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COOH	--	---	180	73	140	120	150	---	120	C to 194	---
	100%	---	---	---	---	R to 120	---	---	R to 120	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Stoddard's Solvent</b>	--	---	N	---	N	73	140	---	73	---	---
<b>Styrene</b> C <sub>6</sub> H <sub>5</sub> CH=CH <sub>2</sub>	--	---	---	73	---	C to 73	---	---	C to 73	R to 104	---
<b>Succinic Acid</b> COOH(CH <sub>2</sub> ) <sub>2</sub> COOH	--	---	180	140	140	140	---	---	140	---	---
<b>Sugar</b> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Aq.	---	180	---	140	140	---	---	140	---	---
<b>Sulfamic Acid</b> HSO <sub>3</sub> NH <sub>2</sub>	20%	--	N	180	N	---	---	---	---	---	---
<b>Sulfate Liquors (Oil)</b>	6%	---	180	140	140	---	---	---	---	---	---
<b>Sulfite Liquors</b>	6%	73	180	---	140	140	---	---	---	---	---
<b>Sulfur</b> S	--	---	180	212	140	140	140	---	---	104	---
<b>Sulfur Chloride</b> S <sub>2</sub> Cl <sub>2</sub>	--	---	---	C to 73	---	---	---	---	---	---	---
<b>Sulfur Dioxide</b> SO <sub>2</sub>	Gas Dry	N	73	140	140	140	---	---	140	---	---
	Gas Wet	N	N	140	73	120	73	N	120	---	---
<b>Sulfur Trioxide</b> SO <sub>3</sub>	Gas Dry	---	---	---	140	N	---	N	N	C to 68	---
	Gas	---	N	---	73	N	---	N	---	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Sulfuric Acid</b> H <sub>2</sub> SO <sub>4</sub>	5%	---	---	---	---	---	---	---	---	---	R to 73
	30%	120	180	180	140	140	140	R to 248	R to 140	---	N
	50%	73	180	140	140	120	C to 73	R to 212	R to 140	---	---
	60%	C to 73	180	73	140	120	C to 73	R to 248	---	---	---
	70%	C to 73	180	73	140	R to 120	C to 73	---	---	---	---
	80%	C to 73	180	73	140	R to 120	N	C to 248	---	---	---
	90%	C to 73	150	73	73	120	N	R to 212	---	---	---
	93%	N	140	C to 73	73	C to 73	N	---	---	---	---
	94% - 98%	N	130	C to 73	N	C to 73	N	C to 212	N	---	---
100%	N	N	C to 73	N	C to 73	N	---	---	C to 194	---	
<b>Sulfurous Acid</b> H <sub>2</sub> SO <sub>3</sub>	--	---	180	140	140	140	140	R to 212	140	---	---
<b>Tall Oil</b>	--	---	C to 180	180	140	120	---	---	120	---	---
<b>Tannic Acid</b> C <sub>76</sub> H <sub>52</sub> O <sub>46</sub>	10%	N	180	73	140	140	140	R to 212	140	---	---
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Tanning Liquors</b>	--	160	180	73	140	120	140	---	120	---	---
<b>Tar</b>	--	---	N	---	N	---	---	---	---	---	---
<b>Tartaric Acid</b> HOOC(CHOH) <sub>2</sub> COOH	--	160	180	140	140	140	140	R to 248	140	---	---
	Sat'd	---	---	---	---	---	---	R to 248	R to 176	R to 194	---
<b>Terpineol</b> C <sub>10</sub> H <sub>17</sub> OH	--	---	---	---	C to 140	---	---	---	---	---	---
<b>Tetrachloroethane</b> CHCl <sub>2</sub> CHCl <sub>2</sub>	--	---	---	C to 73	C to 140	C to 120	---	---	C to 120	---	---
<b>Tetrachloroethylene</b> Cl <sub>2</sub> C=CCl <sub>2</sub>	--	N	N	C to 73	C to 140	C to 120	---	C to 212	C to 120	C to 68	---
<b>Tetraethyl Lead</b> Pb(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub>	--	---	73	73	73	---	---	---	---	68	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Tetrahydrofuran</b> C <sub>4</sub> H <sub>8</sub> O	--	N	N	C to 73	N	C to 73	C to 73	C to 68	N	---	---
<b>Tetralin</b> C <sub>10</sub> H <sub>12</sub>	--	---	N	N	N	N	---	---	N	---	---
<b>Tetra Sodium Pyrophosphate</b> Na <sub>4</sub> P <sub>2</sub> O <sub>7</sub> •10H <sub>2</sub> O	--	---	180	---	140	---	---	---	---	---	---
<b>Thionyl Chloride</b> SOCl <sub>2</sub>	--	---	N	N	N	N	140	N	N	---	---
<b>Thread Cutting Oils</b>	--	---	73	73	73	---	---	---	---	---	---
<b>Tin (II) Chloride</b> SnCl <sub>2</sub>	--	---	---	---	---	---	---	R to 212	---	---	---
<b>Tin (IV) Chloride</b> SnCl <sub>4</sub>	--	---	---	---	---	---	---	R to 212	---	---	---
<b>Titanium Tetrachloride</b> TiCl <sub>4</sub>	--	---	---	140	C to 73	120	---	---	120	---	---
<b>Toluene (Toluol)</b> CH <sub>3</sub> C <sub>6</sub> H <sub>5</sub>	--	N	N	C to 73	N	C to 120	N	---	C to 120	R to 140	R to 73
<b>Tomato Juice</b>	--	---	180	212	140	140	---	---	140	--	---
<b>Transformer Oil</b>	--	---	180	73	140	C to 120	---	---	C to 120	---	---
<b>Transformer Oil DTE/30</b>	--	---	180	---	140	R to 120	---	---	R to 120	---	---
<b>Tributyl Citrate</b> C <sub>18</sub> H <sub>32</sub> O <sub>7</sub>	--	---	---	C to 73	73	C to 120	---	---	C to 120	---	---
<b>Tributyl Phosphate</b> (C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> PO <sub>4</sub>	--	---	N	C to 140	N	73	---	---	73	R to 194	---
<b>Trichloroacetic Acid</b> CCl <sub>3</sub> COOH	50%	---	---	140	140	140	---	R to 104	140	---	---
	10%	---	---	---	---	140	---	---	140	---	---
<b>Trichlorobenzene</b> C <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub>	--	---	---	---	---	---	---	R to 140	---	---	---
<b>Trichloroethane</b> C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	--	---	---	---	---	---	---	---	---	---	R to 122
<b>Trichloroethylene</b> CHCl=CCl <sub>2</sub>	--	N	N	N	N	C to 120	N	R to 176	C to 68	C to 68	R to 176
<b>Triethanolamine</b> (HOCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N	--	C to 73	73	140	73	73	73	C to 104	73	---	---
<b>Triethylamine</b> (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> N	--	---	---	N	140	73	---	---	73	---	---
<b>Trimethylolpropane</b> (CH <sub>2</sub> OH) <sub>3</sub> C <sub>3</sub> H <sub>5</sub>	--	---	---	140	73	C to 120	---	---	C to 120	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Trisodium Phosphate</b> Na <sub>3</sub> PO <sub>4</sub> • 12H <sub>2</sub> O	--	73	180	140	140	140	140	---	140	---	---
<b>Turpentine</b>	--	N	N	N	140	C to 120	C to 73	---	C to 120	R to 140	---
<b>Urea</b> CO(NH <sub>2</sub> ) <sub>2</sub>	--	---	180	180	140	140	140	---	140	---	---
	10%	-	---	---	---	---	---	R to 212	---	---	---
	Sat'd	---	---	---	---	---	---	R to 176	---	C to 140	---
<b>Urine</b>	--	160	180	180	140	140	140	---	140	---	---
<b>Vaseline (Petroleum Jelly)</b>	--	---	N	140	N	120	---	---	120	---	---
<b>Vegetable Oil</b>	--	---	C to 180	140	140	R to 140	---	R to 248	R to 140	---	---
<b>Vinegar</b>	--	73	150	140	140	140	140	---	140	194	---
<b>Vinyl Acetate</b> CH <sub>3</sub> COOCH=CH <sub>2</sub>	--	---	N	73	N	140	---	C to 68	140	---	---
<b>Water, Acid Mine</b> H <sub>2</sub> O	--	160	180	140	140	140	180	---	140	---	194
<b>Water, Deionized</b> H <sub>2</sub> O	--	160	180	140	140	140	180	---	140	194	176
<b>Water, Distilled</b> H <sub>2</sub> O	--	160	180	212	140	140	180	R to 248	140	194	---
<b>Water, Potable</b> H <sub>2</sub> O	--	160	180	212	140	140	180	R to 248	140	194	---
<b>Water, Salt</b> H <sub>2</sub> O	--	160	180	212	140	140	180	---	140	194	---
<b>Water, Sea</b> H <sub>2</sub> O	--	160	180	212	140	140	180	R to 248	140	194	R to 176
<b>Water, Soft</b> H <sub>2</sub> O	--	160	180	212	140	140	180	---	140	194	---
<b>Water, Waste</b> H <sub>2</sub> O	--	73	180	212	140	140	180	---	140	194	---
<b>Whiskey</b>	--	---	180	140	140	140	140	R to 212	140	---	---
<b>White Liquor</b>	--	73	180	---	140	---	---	---	---	---	---
<b>Wine</b>	--	73	180	140	140	140	140	R to 248	140	---	---
<b>Wines and Spirits</b>	--	---	---	---	---	---	---	R to 212	---	---	---

Chemical (Formula)	Concentration	ABS	CPVC	PP	PVC	PE	PB	PVDF	PEX	PA 11	PK
<b>Xylene (Xylol)</b> C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub>	--	N	N	N	N	N	N	C to 140	N	C to 194	---
<b>Zinc Acetate</b> Zn(CH <sub>3</sub> COO) <sub>2</sub> o2H <sub>2</sub> O	--	---	180	---	---	---	---	---	---	---	---
<b>Zinc Carbonate</b> ZnCO <sub>3</sub>	--	---	180	140	---	140	---	R to 212	140	---	---
<b>Zinc Chloride</b> ZnCl <sub>2</sub>	--	120	180	180	140	140	---	---	140	---	---
	50%	---	---	---	---	---	---	---	---	C to 73	---
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Zinc Nitrate</b> Zn(NO <sub>3</sub> ) <sub>2</sub> o6H <sub>2</sub> O	--	160	180	180	140	140	140	---	140	---	---
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---
<b>Zinc Oxide</b> ZnO	--	---	---	---	---	---	---	R to 212	---	---	---
<b>Zinc Stearate</b> (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COO) <sub>2</sub> Zn	--	---	---	---	---	---	---	R to 122	---	---	---
<b>Zinc Sulfate</b> ZnSO <sub>4</sub> o7H <sub>2</sub> O	--	160	180	212	140	140	140	---	140	---	---
	Sat'd	---	---	---	---	---	---	R to 212	---	---	---