+ -The tank will withstand  $\sim$  -- Will not withstand  $\bigtriangleup$  - No studies conducted

## The resistance of Polyethylene to chemicals

Substance	Concentration	Pohoview	Dehaviour of		Pehoviour of		
Substance	Concentration	Behaviour of MDPE/HDPE		Behaviour of LDPE/LLDPE/			
			IPE	mLLDPE/LLL			
		at 20 'C	60 °C	20 °C	at 60 ℃		
Acetaldehyde	techn. grade	20 C	0	20 C			
Acetaldehyde, aqueous	any	Ф	0	ф ф			
Acetaldehyde + acetic acid	90:10	Ф	0	¢			
Acetamide	50.10	Ф	¢	ф Ф			
Acetic acid	100%	Ф	00	ъ Ф	OΔ		
Acetic acid, aqueous	70%	- Ф	С ¥ ф	ф Ф	¢		
Acetic anhydride	techn. grade	¢	00	¢	0		
Acetoacetic acid	teenn. grade	ф Ф	0.	ф ф			
Acetone	techn. grade	¢	ф*	0			
Acetophenone	teenn. grade	ф Ф		0			
Acetylene		Ф					
Acids, aromatic		о Ф	¢	¢			
Acronal <sup>®</sup> dispersions	as supplied commerc.	- Ф	0	¢			
Acrylonitrile	techn. grade	о Ф	<u>с</u>	о Ф	0		
Adipic acid, aqueous	saturated	ф Ф	ф.	¢	ф		
Adipic ester		- -	0	-	-		
Air	techn. grade	ф.	с ф	¢	¢		
Aktivin® (chloramine, aqueous 1 %)	<b>J</b>	ф.	- -	0	¢		
Allyl acetate		- Ф	- to O	¢	0		
Allyl alcohol (2-propenol-1)	96%	¢	ф.	0	0		
Allyl chloride		0	-	-	-		
Aluminium chloride, aqueous	any	ф	¢	¢	¢		
Aluminium chloride, solid	,	ф	¢	¢	¢		
Aluminium fluoride	conc.	ф	¢	¢	¢		
Aluminium hyroxide		ф	¢	¢	¢		
Aluminium metaphosphate		ф	¢	¢	¢		
Aluminium sulphate, aqueous	saturated	ф	¢	¢	¢		
Aluminium sulphate, solid		¢	¢	¢	¢		
Alum, aqueous	any	ф	÷	¢	¢		
Amino acids		ф	¢	¢	¢		
2-aminoethanol (ethanolamine)	techn. grade	ф		¢			
Ammonia, gaseous		ф	¢	¢			
Ammonia, liquid		ф		¢			
Ammonia water	any	ф	¢	¢			
Ammonium acetate, aqueous	any	Ф	¢	¢	¢		
Ammonium bicarbonate, aqueous	saturated	¢	¢	¢	¢		
Ammonium carbonate, aqueous	any	¢	¢	¢	¢		
Ammonium chloride, aqueous	any	Ф	¢	¢	¢		
Ammonium fluoride, aqueous	saturated	Ф	¢	¢	¢		
Ammonium hydrosulphide, aqueous	any	ф	¢	¢	¢		
Ammonium metaphosphate		Ф	¢	¢	¢		
Ammonium nitrate, aqueous	any	ф	¢	¢	¢		
Ammonium phosphate, aqueous	any	ф	¢	¢	¢		
Ammonium sulphate, aqueous	any	Ф	¢	¢	¢		

Substance	Concentration	Behaviour of		Behaviour of		
		MDPE/HDPE		LDPE/LLDPE/		
		at		mLLDPE a	ıt	
		20 °C	60 °C	20 °C	60 °C	
Ammonium sulphide, aqueous	any	¢	¢	¢	¢	
Ammonium thiocyanate		¢	¢	Ф	¢	
Amyl acetate	techn. grade	¢	ф	Ф	0	
Amyl alcohol (C5 alcohols)	techn. grade	¢	¢	ф	0	
Amyl chloride	100%	0	-	-	-	
Amyl phthalate		¢	0	0	0	
Aniline	any	¢	ф	Ф	0	
Aniline hydrochloride, aqueous	any	¢	¢	Ф	¢	
Animal oils		¢	0	¢	0	
Aniseed		0	O to 😑	-		
Aniseed oil		0	-	-	-	
Anisole		¢	-	0	-	
Anone (cyclohexanone)		¢	0	0	-	
Anthraquinone sulphonic acid, aqueous (susp.)		¢	¢	ф	¢	
Antifreeze (automotive)	as supplied commerc.	¢	¢	ф	¢	
Antimony chloride, anhydrous		¢	¢	ф	¢	
Antimony pentachloride		ф	¢	ф	¢	
Antimony trichloride		ф	¢	Ф	¢	
Aqua regia (HCI + HNO3)		-		-		
Aromatic oils		0	-	0	-	
Arsenic acid, aqueous	any	¢	ф	ф	¢	
Arsenic anhydride		¢	¢	ф	¢	
Ascorbic acid		¢	ф	ф	¢	
Asphalt		¢	O∇	ф	OΔ	
Aspirin®		¢		ф		
Barium hydroxide, aqueous	any	¢	ф	ф	¢	
Barium salts, aqueous	any	¢	¢	ф	¢	
Battery acid		¢	÷	ф	¢	
Beater glue (animal glue)	as supplied commerc.	¢	¢			
Beef tallow		¢	<b>⊕</b> to O	ф	0	
Beer		¢	¢	ф	ф	
Beer sugar colouring	as supplied commerc.	¢	¢	ф	¢	
Beeswax		¢	O to 😑	ф	-	
Benzaldehyde, aqueous	any	¢	<b>₽</b> to O	0	0	
Benzaldehyde in isopropyl alcohol	1%	¢	Ф	ф	0	
Benzene	techn. grade	0	-	0	-	
Benzene sulphonic acid		¢	¢	φ	ф	
Benzoic acid, aqueous	any	ф	¢	ф	ф	
Benzoyl chloride		0	0	-		
Benzyl alcohol		ф	¢	ф	0	
Benzyl chloride		0	-	-		
Bichromate – sulphuric acid	conc.	-		-		
Bismuth salts		¢	¢	ф	¢	

Substance	Concentration	Behaviou	Behaviour of		Behaviour of		
		MDPE/HD	)PE	LDPE/LLDPE/			
		at	at		at		
		20 'C	60 °C	20 °C	60 ℃		
Bisulphite liquor		¢	¢				
Bitumen		¢	OΔ	¢	$\nabla \nabla$		
Bleaching solution with 12.5% active chlorine**		0	-	0			
Bone oil		¢	÷	¢	¢		
Borax (sodium tetraborate), aqueous	saturated	¢	÷	¢	¢		
Boric acid, aqueous	any	¢	÷	¢	¢		
Boric acid methyl ester		¢	O to ⋿	¢	-		
Boron trifluoride		¢	to O	¢	0		
Brake fluid		¢	÷	¢	0		
Brandy		Ф	¢	¢	Ф		
Bromic acid	conc.						
Bromine, liquid	100%			-			
Bromine vapours							
Bromine water	cold saturated	Φ		¢			
Bromochloromethane		-		-			
1,3-butadiene, gaseous	techn. grade	0	-				
Butanediol, aqueous	any	¢	÷	Φ	¢		
Butanetriol, aqueous	any	¢	¢	¢	¢		
Butane, gaseous		¢					
Butanol, aqueous	any	¢	¢	¢	0		
Butanone		¢	O to ⋿	¢			
2-Butenediol-1,4	techn. grade	¢		¢			
2-Butinediol-1,4	techn. grade	¢		¢			
Butoxyl® (methoxybutylacetate)		¢	0				
Butter		Φ		¢			
Butylene glycol	techn. grade	Φ	¢	¢	¢		
Butyl acetate (acetic acid butyl ester)	techn. grade	Φ	0	¢	0		
Butyl acrylate		¢	0	¢	0		
Butyl alcohol		Φ	÷	¢	0		
Butyl benzyl phthalate		¢	¢	0	0		
Butyl glycol (ethylene glycol monobutylether)	techn. grade	Φ		¢			
Butyl phenol	techn. grade	¢	¢	0			
Butyl phenone	techn. grade	-		-			
Butyl phthalate (dibutyl phthalate)	techn. grade	¢	0	0	0		
Butyric acid, aqueous	any	¢	0	¢	0		
Calcium carbide		Ф	ф	¢	ф		
Calcium carbonate		Φ	¢	¢	¢		
Calcium chlorate, aqueous	saturated	Φ	ф	¢	¢		
Calcium chloride, aqueous	saturated	Φ	¢	¢	¢		
Calcium hydroxide		Ф	ф	÷	ф		
Calcium hypochlorite, aqueous (suspension)	any	¢	¢	¢	¢		
Calcium nitrate, aqueous	50%	¢	¢	¢	¢		
Calcium oxide (powder)		¢	¢	\$	÷		

Substance	Concentration	Behaviour of		Behaviour of		
		MDPE/HDI	PE	LDPE/LLD	PE/	
		at		mLLDPE a	ıt	
		20 °C	60 °C	20 °C	60 °C	
Calcium phosphate		¢	¢	¢	¢	
Calcium sulphate		¢	¢	¢	¢	
Calcium sulphide, aqueous	≤ 10%	0	0			
Camphor		0	-	0		
Camphor oil						
Cane sugar, aqueous	any	¢	¢	¢	¢	
Carbazole		¢	¢			
Carbolic acid (phenol)		¢	₽▽	0	OΔ	
Carbolineum	as supplied commerc.	¢		0		
Carbolineum, aqueous (for fruit trees)		₽∨	07	OΔ	OΔ	
Carbonic acid, aqueous	any	¢	¢	¢	¢	
Carbonic acid, dry	100%	¢	¢			
Carbon dioxide	100%	¢	Ф			
Carbon disulphide		0		0	-	
Carbon monoxide, gaseous	techn. grade	¢	¢			
Carbon tetrachloride		0		-		
Castor oil		¢	¢	¢	0	
Caustic soda solution	any	¢	¢	¢	¢	
Cetyl alcohol (hexadecanol)		¢	Ф	¢		
Chloral hydrate, aqueous	any	¢	₽▽	¢	₽₽	
Chloral (trichloroacetaldehyde)	techn. grade	¢	¢			
Chloramine, aqueous	saturated	¢		¢		
Chloric acid, aqueous	1 %	¢	¢	¢	¢	
Chloric acid, aqueous	10%	¢	¢	¢	¢	
Chlorinated lime		¢	¢	¢	¢	
Chlorine, aqueous solution (chlorine water)	saturated	¢	0	¢	0	
Chlorine, gaseous, dry		0	-	0	-	
Chlorine, gaseous, moist		0	-	0	-	
Chlorine, liquid		-		-		
Chlorine bleaching solution with 12.5% active chlorine		0	-	0	-	
Chloroacetic acid, aqueous	≤ 85 %	¢	¢	¢	¢	
Chloroacetic acid (mono), aqueous	any	¢	¢	¢	0	
Chlorobenzene		0	-	0	-	
Chloroformic acid ester		¢	0			
Chloroform	techn. grade	O to 📼	-	-	-	
Chloropicrin		⊕ to O	-			
Chlorosulphonic acid	techn. grade	-	-	-	-	
Chrome alum (potassium chromic sulphate), aqueous	saturated	¢	¢	¢	¢	
Chrome anode slime		¢	Ф	¢	¢	
Chrome salts, aqueous	any	¢	¢	¢	¢	
Chromic acid, aqueous**	50%	0	$\neg \nabla$	0	$\neg \nabla$	
Chromium trioxide, aqueous**	50%	0	$= \nabla$	0	$\neg $	
Chromosulphuric acid		-		-		

Substance	Concentration	Behaviou	r of	Behaviou	
		MDPE/HD	MDPE/HDPE		DPE/
		at		mLLDPE at	
		20 °C	60 °C	20 °C	60 °C
Citric acid, aqueous	saturated	¢	ф	¢	¢
Citrus fruit juices		¢	¢	¢	¢
Clophen® A 50 and A 60®		¢	O to 😑		
Coal tar oil		₽▽	OΔ	₽▽	VΟ
Coconut oil		Ф	0	Φ	0
Coconut oil alcohol	techn. grade	¢	0	¢	0
Cod liver oil		¢	0	¢	0
Coffee extract		¢	¢	¢	¢
Cognac		¢		¢	
Cola concentrates		¢	¢	¢	¢
Common salt, aqueous	any	¢	÷	¢	¢
Coolants and lubricants for metalworking		0	0		
Copper chloride, aqueous	saturated	Ф	¢	¢	¢
Copper cyanide, aqueous	saturated	¢		¢	
Copper fluoride, aqueous	saturated	Ф	¢	¢	¢
Copper nitrate, aqueous	30%	Ф	÷	¢	¢
Copper salts, aqueous	cold saturated	¢	÷	¢	¢
Copper sulphate, aqueous	any	Ф	÷	¢	¢
Corn oil		¢	0	¢	0
Cottonseed oil	techn. grade	¢	÷	¢	0
Coumarone resins		¢	¢		
Creasote		¢	₽▽		
Cresol	100%	¢	$\nabla \nabla$	0	-
Cresol, aqueous	dilute	Ф	₽▽	¢	
Crop protection agents, aqueous	as supplied commerc.	¢	¢	¢	¢
Crotonaldehyde	techn. grade	Ф	0	0	
Crude oil		¢	0	¢	0
Cyclanone (fatty alcohol sulphonate)	as supplied commerc.	¢	¢	¢	
Cyclohexane		¢	¢	¢	
Cyclohexanol		¢	¢	¢	¢
Cyclohexanone (anone)		¢	0	0	
Decahydronaphthalene (Dekalin®)	techn. grade	¢	0	0	-
Defoamers		¢	⊕ to O	¢	0
Detergents		¢	¢	¢	¢
Detergents, synthetic	end use concentration	¢	¢	¢	¢
Developer solutions (photographic)		₽▽	₽▽	₽▽	\$▽
Dextrin (starch gum), aqueous	18%	¢	¢	¢	¢
Dextrose, aqueous	any	¢	¢	¢	¢
1,2-Diaminoethane (ethylenediamine)	techn. grade	¢	¢	¢	0
1,2-Dibromoethane		0			
Dibutyl ether		∲ to O		0	
Dibutyl phthalate (butyl phthalate)	techn. grade	¢	0	0	0
Dibutyl sebacate		¢	0	0	0

Substance	Concentration	Behaviour of		Behaviour of		
		MDPE/HDPE		LDPE/LLDPE/		
		at		mLLDPE a	ıt	
		20 °C	60 °C	20 'C	60 °C	
Dichloroacetic acid	techn. grade	¢	07	0	-	
Dichloroacetic acid	50%	¢	¢	¢	¢	
Dichloroacetic acid methyl ester		¢	¢	0	-	
Dichlorobenzene		0	-	-	-	
Dichlorodiphenyltrichloroethane (DDT, powder)		¢	¢	¢	¢	
Dichloroethane		0	0	-	-	
1,1-Dichloroethylene (vinylidene chloride)	techn. grade	-	-	-	-	
Dichloromethane**		0	0*	-	<b>=</b> *	
Dichloropropane		0		-	-	
Dichloropropene		0	-		-	
Diesel fuel		¢	0	Φ	-	
Diethanolamine	techn. grade	¢		¢		
Diethylene glyol		¢	ф	¢	¢	
2-Diethylhexylphthalate (DOP)		¢	0	¢		
Diethylketone		¢	0	0	-	
Diethyl ether		to O	0*	0		
Diglycolic acid, aqueous	30%	¢	¢	¢	¢	
Diisobutylketone	techn. grade	¢	O to 😑	0	-	
Diisoctyl phthalate	techn. grade	¢	0	0		
Diisopropyl ether		<b>⊉</b> to O	-	0	-	
Dimethylamine		¢	0	0	-	
Dimethyl formamide	techn. grade	¢	🔁 to O	¢	0	
Dimethyl sulphoxide		¢	Ф	Φ		
Dinonyl phthalate (DNP)	techn. grade	¢	0	0		
Dioctyl phthalate		¢	0	0		
Dioxane		¢	¢	¢	0	
Diphenylamine		¢	0	Φ	0	
Diphenyl oxide		¢	0	¢	0	
Disodium phosphate		¢	¢	¢	¢	
Disodium sulphate		¢	¢	¢	¢	
Dodecylbenzenesulphonic acid		¢	0	¢	0	
Drinking water, also chlorinated		¢	¢	¢	¢	
Dyes		₽∨	₽▽	₽▽	₽▽	
Eau de Javelle (potassium hypochlorite bleaching solution)		to O	-	⊕ to O	-	
Eau de Labarraque (sodium hypochlorite bleaching solution)		to O	-	⊕ to O	-	
Electrolytic baths for electroplating		<b>⊉</b> to O	0	⊕ to O	0	
Emulsifiers		¢	¢	¢		
Emulsions (photographic)		¢	¢	¢	¢	
Ephetin®, aqueous	10%	¢	¢	¢	¢	
Epichlorohydrin		¢	¢	¢	¢	
Essential oils		¢	¢	¢	0	
Esters, aliphatic	techn. grade	¢	& to O	⊕ to O	O to ⋿	
Ethane		¢	÷			

Substance	Concentration	Behaviou	r of	Behaviour of		
	MDPE/HDPE			LDPE/LLDPE/		
		at		mLLDPE		
		20 'C	60 °C	20 °C	60 °C	
Ethanolamine (2-aminoethanol)	techn. grade	Φ		¢		
Ethanol	96%	¢	¢	¢	¢	
Ethanol denatured with toluene	96% (v/v)	¢		¢		
Ethereal oils		0	-	0	-	
Ether		<b>⊕</b> to O	0*	0		
Ethylenediamine tetraacetic acid		¢	÷	¢	¢	
Ethylene		¢	÷			
Ethylene chloride		0	-	0	-	
Ethylene chlorohydrin (chloroethanol)	techn. grade	¢	₽▽	¢	₽▽	
Ethylene diamine (1,2-diaminoethane)	techn. grade	¢	¢	¢	0	
Ethylene dibromide		0	-	0	-	
Ethylene dichloride (dichloroethane)		0	-	0	-	
Ethylene glycol		ф	÷	¢	¢	
Ethylene glycol monobutyl ether (butyl glycol)	techn. grade	¢		¢		
Ethylene oxide, gaseous		ф	¢			
Ethyl acetate (acetic acid ethyl ester)	techn. grade	¢	0	0	-	
Ethyl alcohol	96%	¢	¢	¢	ф	
Ethyl alcohol + acetic acid (fermentation mixture)	as used in production	¢	¢	¢	¢	
Ethyl benzene	techn. grade	0		0		
Ethyl chloride (chloroethane)	techn. grade	0*		0*		
Ethyl ether (diethyl ether)	techn. grade	∲ to O	0*	0		
2-Ethyl hexanol		¢	0	¢	0	
Euron® B		0	0			
Euron® G		¢	¢			
Fatty acids (>C6)		¢	⊕ to O	¢	0	
Fatty acid amides		¢	0	¢	0	
Fatty alcohols		¢	0	¢	0	
Fatty oils		¢	0	¢	0	
Ferric alum (ferric ammonium sulphate), aqueous	saturated	¢	¢	¢	¢	
Ferric chloride, aqueous	any	¢	¢	¢	¢	
Ferric nitrate, aqueous	saturated	¢	¢	¢	¢	
Ferric sulphate, aqueous	saturated	¢	¢	¢	¢	
Ferrous chloride, aqueous	saturated	¢	¢	¢	¢	
Ferrous sulphate, aqueous	saturated	ф	ф	¢	ф	
Fertilizer salts, aqueous	any	¢	¢	¢	¢	
Fixing salt, aqueous	any	Ф	¢	¢	ф	
Fixing salt, solid		Ф	¢	¢	ф	
Fluorine, gaseous		-		-		
Fluoroboric acid, aqueous		Ф	0	¢	0	
Fluorosilicic acid	any	Ф	¢	¢	ф	
Fluorosilicic acid, aqueous	any	¢	¢	¢	¢	
Formaldehyde, aqueous	up to 40%	Ф	¢	¢	¢	
Formamide		¢	¢	¢	¢	

Substance	Concentration	Behaviour of		Behaviour of		
		MDPE/HDI	PE	LDPE/LLD	PE/	
		at		mLLDPE a	ıt	
		20 °C	60 °C	20 °C	60 °C	
Formic acid, aqueous	10%	¢	¢	¢	¢	
Formic acid, aqueous	85%	¢	¢	¢	¢	
Frigen® 12 (Freon® 12)	100%	0		0	-	
Fructose (fruit sugar), aqueous	any	¢	¢	¢	¢	
Fruit juices, fermented		¢	¢	¢	¢	
Fruit juices, unfermented	any	÷	¢	Ф	¢	
Fruit pulp		¢	¢	Ф	¢	
Fuel oil		¢	0	0	-	
Fuming sulphuric acid (H <sub>2</sub> SO <sub>4</sub> + SO <sub>3</sub> )	any	-				
Furfurol		¢	0	0	-	
Furfuryl alcohol		¢	₽▽	¢	₽▽	
Gas, manufactured	as supplied commerc.	¢		¢		
Gas, natural	techn. grade	¢		¢		
Gas, liquor		¢	¢	¢	¢	
Gasoline, regular-grade (DIN 51635)		¢	0	0	-	
Gelatin		¢	¢	¢	¢	
Genantin <sup>®</sup>		¢	¢			
Gin		¢		Ф		
Glacial acetic acid (100% acetic acid)	techn. grade	¢	0V	¢	OΔ	
Glauber's salt, aqueous	any	¢	¢	Ф	¢	
Glucose, aqueous	any	¢	¢	¢	¢	
Glue		¢	¢	¢	¢	
Glycerin, aqueous	any	¢	¢	¢	¢	
Glycerin chlorohydrin		¢	¢	¢	¢	
Glycerol		¢	¢	¢	¢	
Glycine		¢	¢	Φ	¢	
Glycolic acid, aqueous	up to 70%	¢	¢	¢	¢	
Glycolic acid butyl ester		¢	¢	Φ		
Glycol, aqueous	as supplied commerc.	¢	¢	¢	¢	
Glysantin®		¢	ф	Φ	¢	
Grisiron® 8302		0	0			
Grisiron® 8702		¢	ф			
Halothan®		0	O to 😑			
Heptane		¢	0	¢	-	
Hexafluorosilicic acid, aqueous	40%	¢	¢	Ф	¢	
Hexane		¢	0	¢	-	
Hexanetriol		¢	ф	Ф	¢	
Honey		¢	¢	¢	¢	
Hydraulic fluid		¢	0	¢		
Hydrazine hydrate		¢	¢	¢	¢	
Hydrobromic acid, aqueous	50%	¢	¢	¢	¢	
Hydrochloric acid, aqueous	any	¢	¢	¢	¢	

Substance	Concentration	Dehaviour of		Pehaviour of		
Substance	Concentration	Behaviour of		Behaviour of		
		MDPE/HD	PE	LDPE/LLD		
		at 20 'C	60 °C	mLLDPE		
Hydrocyanic acid		20 C	- 60 C - <b>Ф</b>	20 ℃ �	60 ℃ ₽	
Hydrofluoric acid, aqueous	40-85%	Ф	0	\$	0	
Hydrogen	40-65 76	ф Ф	- Ф	Ŷ	0	
Hydrogen bromide, gaseous	techn. grade	Ф	~ ф	¢		
Hydrogen chloride gas, dry and moist	techn. grade	¢	ч ф	ф ф		
Hydrogen peroxide, aqueous	10%	0	· ·	0		
Hydrogen peroxide, aqueous	30%	0	-	0	-	
Hydrogen peroxide	100%	0	0	0	-	
Hydrogen sulphide, aqueous	saturated	ф	С Ф	\$		
Hydrogen sulphide, gaseous	Saturated	Ф	т ф	- Ф	- Ф	
Hydroquinone		-0- -0-	÷ φ∇	₽	-0- -0-⊽	
Hydrosulphite, aqueous	up to 10%	-~· ₽	Ф Ф	\$ \$	\$ \$	
Hydroxylamine sulphate, aqueous	12%	ф Ф	ч ф	ф Ф	ф Ф	
Hypochlorous acid	1 <i>E 70</i>	∿ to O	0	0		
hypochlolous acid		4 10 0	0	U		
Ink		¢	¢	¢	¢	
lodine in potassium iodide solution	3% iodine	¢	ф	¢	¢	
lodine tincture, DAB 6	as supplied commerc.	ф Ф	- 07	۰ ۵	00	
Isoamyl alcohol	techn. grade	¢	0	¢	0	
Isobutyl alcohol (isobutanol)	grade	- ф	о ф	۰ ۵	0	
lsobutyric acid	techn. grade	¢	0	0	0	
Isooctane		- -	0	- 0	-	
lsopropanol (isopropyl alcohol)	techn. grade	¢	¢	¢	¢	
Isopropyl acetate	100%	ф	0	¢	0	
lsopropyl ether	techn. grade	<b>⊕</b> to O	-	0	-	
1 17	5					
Jam		¢	¢	¢	¢	
-						
Kerosene		ф	0	0	-	
Ketones		⊕ to O	O to ⋿	¢ to O	O to 😑	
Lactic acid, aqueous	any	¢	¢	¢	¢	
Lactose (milk sugar)		¢	¢	¢	¢	
Lanolin (wool fat)		¢	¢	¢	¢	
Latex		¢	ф	¢	¢	
Lead acetate, aqueous	any	¢	¢	¢	¢	
Lead tetraethyl		¢		¢		
Lime		¢	¢	¢	¢	
Lime water		ф	¢	¢	¢	
Linseed oil	techn. grade	ф	¢	¢	0	
Liqueur		ф	¢			
Liquid manure		ф	¢			
Liquid soaps		ф	¢	¢	¢	
Lithium bromide		ф	¢	¢	¢	

Substance	Concentration	Behavioui		Behaviour of LDPE/LLDPE/	
		MDPE/HD	Υ£		
		at 20 °C	60 ℃	mLLDPE a 20 'C	60°C
Lubricating oils	techn. grade	- 20 C	to O	- 20 C	0
Lysol®	3	¢	0		
Machine oil		¢	0	¢	0
Magnesium carbonate		¢	¢	ф	¢
Magnesium chloride, aqueous	any	¢	¢	ф	¢
Magnesium fluorosilicate		¢	ф	ф	¢
Magnesium hydroxide		¢	ф	ф	¢
Magnesium iodide		¢	ф	ф	¢
Magnesium salts, aqueous	any	¢	ф	ф	¢
Magnesium sulphate, aqueous	any	¢	Ф	ф	¢
Maleic acid, aqueous	up to 100%	¢	¢	¢	¢
Malic acid, aqueous	50%	¢	Φ	Ф	¢
Manganese sulphate		¢	¢	ф	¢
Margarine		¢	¢	Ф	¢
Mash		¢	¢	ф	¢
Mayonnaise		¢		ф	
Menthol		¢	0	0	-
Mercury		¢	¢	ф	¢
Mercury chloride		¢	¢	Ф	¢
Mercury salts		¢	¢	ф	¢
Metal soaps		¢	¢	Ф	¢
Methacrylic acid		¢	¢	ф	0
Methanol	techn. grade	¢	Ф	Ф	¢
Methoxybutanol		¢	0	¢	0
Methoxybutyl acetate (Butoxyl®)		¢	Ф	Ф	0
Methylamine, aqueous	32%	¢		Ф	
2-Methylbutanol-2	techn. grade	¢	0	Ф	0
Methylene chloride** (dichloromethane)		0	0*	-	<b>=</b> *
Methylisobutyl ketone		¢	O to ⋿	¢	
Methyl acetate (acetic acid methyl ester)	techn. grade	¢		ф	
Methyl acrylate		¢	¢	ф	0
Methyl alcohol		¢	¢	¢	¢
Methyl benzene		0		0	-
Methyl benzoic acids (toluic acids)	saturated	0		0	
Methyl bromide, gaseous	techn. grade	-		-	
Methyl bromide (bromomethane), gaseous	techn. grade	-		-	
Methyl chloride (chloromethane), gaseous	techn. grade	0		-	
Methyl cyclohexane		0	O to ⊐	0	
Methyl ethyl ketone	techn. grade	¢	0	0	-
Methyl glycol		¢	¢	¢	¢
Methyl methacrylate		¢	¢	Ф	0
4-Methyl pentanol-2		¢	✿ to O∇	Ф	OΔ
Methyl propyl ketone		¢	0	0	-

Substance	Concentration	Behaviour of		Behaviour of			
		MDPE/HD	PE	LDPE/LLC			
		at	60.10	mLLDPE			
N Method come lide as		20 'C	60 °C	20 °C	60 °C		
N-Methyl pyrrolidone		Ф Ф	ф О	¢	0		
Methyl salicylate (salicylic acid methyl ester)	50%	ф Ф	0	¢	0		
Methyl sulphuric acid Milk	50%	ф ф	ф ф	ф ф	ф ф		
Milk Mineral oil	without additives	Ф	오	Ф			
Mineral on Mineral water	without additives	Ф	Ф 10 U	Ф Ф	0 ¢		
Mineral water		Ф	Ф Ф	Ф	ф.		
Molasses Molasses wort		Ф	Ф Ф	Ф Ф	Ф		
Monasses wort		ф	0		0		
Monochloroacetic acid ethyl ester		Ф	О Ф	ф ф	0		
Monochloroacetic acid methyl ester		Ф	ч ф	~ ф	0		
Monochlorobenzene		0	¥ 	0			
Monochiorobenzene Mordants, metallic		Ф		о Ф	_		
Morgants, metallic Morpholine		Ф	¢	Ф Ф			
Motor oil (heavy duty oil)		Ф	ゲ 伊 to O	ч ф	0		
Movilith® emulsions		Ф	Ф Ф	~ ф	Ф		
Mustard		Ф	ч ф	с ф	ф Ф		
Mustalu		τ.	**	υr	v		
Nail polish remover		ф	0	¢	0		
Naphthalene		Ф		Ф			
Naphtha	techn. grade	÷	0	¢	0		
Naphtha	teenn. grade	ф.	0	- ф	0		
Naphtha/benzene mixture	80/20	Ф	0	Ф	0		
Nickel chloride	00,20	- Ф	С Ф	- -	<u></u> Ф		
Nickel nitrate		ф.	- -	- -	- ф		
Nickel salts, aqueous		- -	- -	- 0	- 0		
Nickel sulphate, aqueous	any	ф.	- -	- -	ф.		
Nicotine		- 0	- -	- 0	- 0		
Nicotinic acid	≤10%	÷	-	÷	-		
Nitric acid**	25%	¢	¢	¢	ф		
Nitric acid**	50%	0		0	-		
Nitric acid	95%				-		
2,2',2"-Nitrilotriethanol (triethanolamine), aqueous	any	¢	0	¢	0		
Nitrobenzene		¢	0	0	-		
Nitrocellulose		ф		¢			
o-Nitrotoluene		ф	0	0	-		
Nonyl alcohol (nonanol)		ф	¢	¢	0		
Nut oil		φ		¢			
Octyl cresol	techn. grade	0		0	-		
Oils, ethereal		0	•	0	-		
Oils, vegetable and animal		¢	¢ to O	¢	0		
Oleic acid		Φ	0	ф	0		
Oleum		-	-	-	-		

Substance	Concentration	Behaviour MDPE/HD		Behaviour of LDPE/LLDPE/		
		at	rc	mLLDPE a		
		20 °C	60 °C	20 °C	" 60 ℃	
Olive oil		- 20 C	ф	- 20 C - <b>Ф</b>	0	
Optical brighteners		- ¢	- •	- -	- ф	
Orange juice		\$	¢	ф	¢	
Oxalic acid, aqueous	any	¢	ф	φ	¢	
Oxygen		¢	¢	¢	¢	
Ozone	50 ppm	0	-	0		
Palmitic acid		¢	ф	0	¢	
Palmityl alcohol		¢	ф	Φ	¢	
Palm nut oil		¢		0		
Paraffin, liquid		¢	ф	Φ	0	
Paraffin wax emulsions	as supplied commerc.	¢	0	¢	0	
Paraformaldehyde		¢	ф	ф	¢	
Peanut oil	techn. grade	¢		¢		
Pentanol		¢		ф		
Peppermint oil		¢		¢		
Perchloric acid, aqueous	20%	¢	ф	ф	¢	
Perchloric acid, aqueous	50%	Φ	0	Φ	0	
Perchloric acid, aqueous	70%	¢	-	ф	-	
Perchloroethylene		0	-	•	-	
Petrol, regular-grade (DIN 51635)		¢	0	0	-	
Petroleum		Φ	0	0	-	
Petroleum ether		Φ	0	Φ		
Phenolic resin moulding compounds		¢	ф	¢	¢	
Phenol		¢	₽▽	0	OΔ	
Phenyl ethyl alcohol		Φ	ф	¢	0	
Phenyl hydrazine	techn. grade	0	O to 😑	0	-	
Phenyl hydrazine hydrochloride		¢		¢	-	
Phenyl sulphonate (sodium dodecyl benzene sulphonate)		¢	ф	Φ	¢	
Phosgene, gaseous		0				
Phosgene, liquid	100%	-				
Phosphates, aqueous	any	¢	ф	¢	¢	
Phosphoric acid, aqueous	50%	¢	ф	Φ	¢	
Phosphoric acid, aqueous	80% 95%	¢	VO	¢	OΔ	
Phosphorus oxychloride		¢	0	Φ	0	
Phosphorus pentoxide	100%	¢	ф	¢	¢	
Phosphorus trichloride		-	-	-	-	
Photographic developers		₽▽	₽▽	₽₽	⇔⊽	
Photographic emulsions	as supplied commerc.	¢	¢	Ф	¢	
Photographic fixing baths	as supplied commerc.	¢	¢	¢	¢	
Phthalic acid, aqueous	50%	¢	¢	Φ	¢	
Phthalic acid dibutyl ester (dibutyl phthalate)	techn. grade	¢	0	0	0	
Phthalic ester		¢	⊕ to O	Φ	0	
Picric acid, aqueous	1%	¢		¢		

Substance	Concentration	Behaviou	Behaviour of		r of	
			MDPE/HDPE		Behaviour of LDPE/LLDPE/ mLLDPE at	
		at				
		20 °C	60 °C	20 °C	 60 ℃	
Pineapple juice		\$	ф	\$	¢	
Pine needle oil		ф		¢		
Plasticisers		ф	0	0	0	
Polyacrylic acid emulsions		Ф	¢	¢	¢	
Polyester plasticisers		ф	<b>∲</b> to O	0	0	
Polyester resins		0	-	0	-	
Polyglycols		ф	¢	¢	¢	
Polysolvan® O (glycolic acid butyl ester)		¢	¢	¢	0	
Potassium aluminium sulphate, aqueous	any	ф	÷	¢	ф	
Potassium bicarbonate, aqueous	saturated	¢	¢	¢	¢	
Potassium bisulphate, aqueous	saturated	ф	÷	¢	¢	
Potassium bisulphite, aqueous	saturated	ф	¢	¢	¢	
Potassium borate, aqueous	1 %	ф	¢	¢	ф	
Potassium bromate, aqueous	up to 10%	ф	¢	¢	¢	
Potassium bromide, aqueous	any	Ф	¢	¢	¢	
Potassium carbonate, aqueous	any	¢	¢	¢	¢	
Potassium chlorate, aqueous	any	¢	¢	¢	¢	
Potassium chloride, aqueous	any	¢	¢	¢	¢	
Potassium chromate, aqueous	40%	¢	¢	¢	¢	
Potassium chromic sulphate (chrome alum), aqueous	saturated	Ф	¢	¢	¢	
Potassium cyanide, aqueous	any	Ф	ф	¢	¢	
Potassium dichromate, aqueous	any	Ф	¢	¢	¢	
Potassium ferrocyanide and ferricyanide, aqueous	any	ф	ф	¢	¢	
Potassium fluoride, aqueous	any	Ф	¢	¢	¢	
Potassium hexacyanoferrate, aqueous	any	ф	ф	¢	¢	
Potassium hydroxide		Ф	¢	¢	¢	
Potassium hydroxide, aqueous	any	ф	¢	¢	ф	
Potassium hydroxide solution	50%	ф	¢	¢	¢	
Potassium hypochlorite, aqueous	saturated	0	-	0	-	
Potassium iodide, aqueous	any	Ф	¢	¢	¢	
Potassium nitrate, aqueous	any	ф	¢	¢	¢	
Potassium perborate		Ф	¢	¢	¢	
Potassium perchlorate, aqueous	up to 10%	Ф	0	¢	0	
Potassium perchlorate, aqueous	1%	¢		¢		
Potassium permanganate	20%	¢	中人	÷	\$▽	
Potassium permanganate, aqueous	up to 6%	¢	\$▽	¢	₽▽	
Potassium persulphate, aqueous	any	Ф	¢	¢	ф	
Potassium phosphate, aqueous	saturated	Ф	¢	¢	¢	
Potassium sulphate, aqueous	any	Ф	¢	¢	¢	
Potassium sulphide, aqueous	saturated	Ф	¢	¢	¢	
Potassium sulphite, aqueous	saturated	Φ	¢	¢	Ф	
Potassium tetracyanocuprate, aqueous	saturated	Φ	¢	¢	¢	
Potassium thiosulphate, aqueous	saturated	Φ	¢	¢	¢	
Propane, gaseous	techn. grade	ф				

Substance	Concentration	Behaviour of		Behaviour of		
		MDPE/HDPE		LDPE/LLDPE/		
		at		mLLDPE a	ıt	
		20 °C	60 °C	20 °C	60 °C	
Propanol-(2) (isopropyl alcohol)		¢	ф	Ф	¢	
n-Propanol (n-propyl alcohol)		¢	÷	Ф	¢	
Propanol (propyl alcohol)		¢	Ф	Ф	¢	
Propargyl alcohol, aqueous	7%	¢	¢	Ф	¢	
Propionic acid, aqueous	any	¢	¢	Ф	¢	
Propylene dichloride	100%	-		-		
Propylene glycol		¢	¢	ф	¢	
Propylene oxide		¢	¢			
Pseudocumene		0	0			
Pyridine		¢	0	¢	0	
Quinine		ф	¢	ф	ф	
Release agents		¢	¢			
Roasting gases, dry	any	¢	ф			
Rubber dispersions (latex)		¢	ф	ф	¢	
Sagrotan®		¢	0	ф	0	
Salicylic acid		¢	¢	ф	¢	
Salt brines	saturated	¢	¢	φ	ф	
Saturated steam condensate		¢	ф	ф	¢	
Sauerkraut (pickled cabbage)		¢	¢	ф	ф	
Sea water		ф	¢	ф	¢	
Silicic acid, aqueous	any	¢	¢	ф	¢	
Silicone emulsion	as supplied commerc.	ф	¢	ф	¢	
Silicone oil	techn. grade	¢	¢	ф	ф	
Silver nitrate		ф	¢	ф	ф	
Silver nitrate, aqueous	any	¢	¢	ф	ф	
Silver salts, aqueous	cold saturated	¢	¢	ф	¢	
Soap solution, aqueous	any	¢	¢	ф	ф	
Soda (sodium carbonate), aqueous	any	¢	¢	ф	¢	
Sodium acetate, aqueous	any	¢	¢	ф	¢	
Sodium aluminium sulphate		ф	¢	ф	ф	
Sodium benzoate, aqueous	any	¢	¢	ф	¢	
Sodium bicarbonate, aqueous	saturated	ф	¢	ф	¢	
Sodium bisulphate, aqueous	saturated	¢	¢	ф	ф	
Sodium bisulphite, aqueous	saturated	¢	¢	ф	¢	
Sodium borate		¢	¢	ф	¢	
Sodium bromide		¢	¢	ф	¢	
Sodium carbonate, aqueous	any	¢	¢	¢	¢	
Sodium chlorate, aqueous	saturated	¢	ф	ф	¢	
Sodium chloride, aqueous	any	- ¢	ф	- ф	- ¢	
Sodium chlorite, aqueous	50%	÷		- ф		
Sodium chromate		- ¢	¢	- -	ф	
		_	-	_	-	

15		
S	ubstance	Concentration
5	iodium cyanide	
5	odium dichromate	
5	odium dodecylbenzenesulphonate	
5	iodium ferricyanide, aqueous	saturated
	odium ferrocyanide	
5	iodium fluoride	
5	odium hexametaphosphate, aqueous	saturated
5	odium hydroxide, aqueous	any
5	iodium hydroxide, solid	
5	odium hypochlorite, aqueous with 12.5% active chlorine**	
	odium iron cyanide	
5	odium nitrate, aqueous	any

		20 'C	60 °C	20 °C	60 ℃
Sodium cyanide		0	¢	¢	¢
Sodium dichromate		¢	¢	¢	¢
Sodium dodecylbenzenesulphonate		¢	÷	Ō	¢
Sodium ferricyanide, aqueous	saturated	¢	¢	¢	¢
Sodium ferrocyanide		¢	¢	¢	¢
Sodium fluoride		¢	¢	¢	¢
Sodium hexametaphosphate, aqueous	saturated	¢	¢	¢	¢
Sodium hydroxide, aqueous	any	¢	¢	¢	¢
Sodium hydroxide, solid		¢	÷	Ō	¢
Sodium hypochlorite, aqueous with 12.5% active chlorine**		0	-	0	-
Sodium iron cyanide		¢	÷	¢	¢
Sodium nitrate, aqueous	any	¢	¢	¢	¢
Sodium nitrite, aqueous	any	¢	÷	¢	¢
Sodium perborate, aqueous	any	¢	0	¢	0
Sodium perchlorate, aqueous	any	¢	¢	Ō	¢
Sodium peroxide, aqueous	saturated	0		0	
Sodium peroxide, aqueous	10%	¢	¢	¢	¢
Sodium phosphate, aqueous	saturated	¢	¢	¢	¢
Sodium silicate		Φ	¢	¢	¢
Sodium silicate, aqueous	any	¢	¢	¢	¢
Sodium sulphate, aqueous	cold saturated	¢	¢	¢	¢
Sodium sulphide, aqueous	any	¢	¢	¢	¢
Sodium tetraborate (borax), aqueous	saturated	¢	¢	¢	ф
Sodium thiosulphate, aqueous	saturated	¢	¢	¢	¢
Soft soap		¢	¢	¢	¢
Soya bean oil		¢	¢	¢	0
Spermaceti		¢		0	
Spindle oil		⊕ to O	0	0	
Spirits		¢		Ō	
Stain remover		⊕ to O	0	0	
Starch, aqueous	any	¢	¢	¢	¢
Starch gum (dextrin), aqueous	18%	¢	¢	¢	¢
Starch syrup		¢	¢	¢	¢
Stearic acid		¢	0	¢	0
Styrene		0	-	0	-
Succinic acid, aqueous	50%	¢	¢	¢	¢
Sugar beet juice		¢	÷	¢	¢
Sugar syrup		¢	¢	¢	¢
Sulphates, aqueous solutions	any	¢	÷	Ō	¢
Sulphur		¢	¢	¢	¢
Sulphuric acid, aqueous	up to 50%	¢	¢	¢	¢
Sulphuric acid, aqueous	70%	¢	0	¢	0
Sulphuric acid, aqueous	80%	¢	0	¢	0
Sulphuric acid, aqueous	98%	O1)	-	0	-

1) Lupolen and Hostalen blow mouldings that have been approved for use with dangerous filling substances are suitable for contact with e.g. 98% Sulphuric acid

d atd atd acd acd acd acSulphurduxis add Sulphurd chords (sulphor) chords)any <th>Substance</th> <th>Concentration</th> <th></th> <th colspan="2">Behaviour of MDPE/HDPE</th> <th>of PE/</th>	Substance	Concentration		Behaviour of MDPE/HDPE		of PE/
Sulphurous acidImage of the subscript of the subs			at		mLLDPE a	ıt
Sulphury chloride (sulphur) dixide, aqueousinanyinininSulphur dixide, aqueousanyininininSulphur dixide, gaseousinininininSulphur dixide, gaseousinininininSulphur dixide, gaseousininininininSulphur dixide, gaseousinininininininSulphur dixide, gaseousinininininininininSulphur dixide, gaseousin<			20 °C	60 °C	20 'C	60 °C
Sulphur dixxide, queousany $\phi$ $\phi$ $\phi$ $\phi$ $\phi$ Sulphur dixxide, gaseous	Sulphurous acid		¢	¢	¢	¢
Sulphur dioxide gaseousCCCCCSulphur dioxide gaseousichichichichichichTallow10%000000Tannic acid (tanin), aqueous10%000000Tarataric acid, aqueousas supplied0000000Tartaric acid, aqueousany00 <t< td=""><td>Sulphuryl chloride (sulphonyl chloride)</td><td></td><td>-</td><td></td><td>-</td><td></td></t<>	Sulphuryl chloride (sulphonyl chloride)		-		-	
Supplut trioxideImage of the set of the s	Sulphur dioxide, aqueous	any	¢	¢	¢	ф
Tailowtechn, grade	Sulphur dioxide, gaseous		¢	¢		
Tannic acid (tannin), aqueous10%00000Tartaric acid, aqueousars upplied00000Tartaric acid, aqueousany000000Tetrabromethane0 too000	Sulphur trioxide		-		-	
Tanning extracts, vegetableas supplied $\Phi$ $\Phi$ $\Phi$ $\Phi$ Tartaric acid, aqueousany $\Phi$ $\Phi$ $\Phi$ $\Phi$ $\Phi$ Tetrabromomethane $D$ to $=$ $\Theta$ $=$ <td>Tallow</td> <td>techn. grade</td> <td>¢</td> <td>¢</td> <td>¢</td> <td>ф</td>	Tallow	techn. grade	¢	¢	¢	ф
Tataric acid, aqueousany $\Phi$ $\Phi$ $\Phi$ $\Phi$ $\Phi$ Tetrachoromethane $0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \$	Tannic acid (tannin), aqueous	10%	¢	¢	Φ	ф
Tetrahomenthane O to = = = =   Tetrachloroethane O to = = = =   Tetrachloroethane (arbon tetrachloride) techn. grade O to = = =   Tetrachloroethane (arbon tetrachloride) techn. grade O to = = =   Tetrachloroethane (arbon tetrachloride) techn. grade O to = = =   Tetrachloroethane (arbon tetrachloride) techn. grade O to = = =   Tetrachloroethane (arbon tetrachloride) techn. grade O to = O to = =   Tetrachloroethane (fetralin*) techn. grade O to = O to = =   Thiopylcolic acid any O to = O to = O to =   Thiopylcolic acid any Sutarated O to = O to = O to =   Toluic acids (methyl benzoic acids) saturated O to = O to = O to =   Toluic acids (methyl benzoic acids) saturated O to = O to = O to =   Tibluic phosphate Echn. grade Echn. grade	Tanning extracts, vegetable	as supplied	¢		¢	
TetrachloroethaneO to aa and a a	Tartaric acid, aqueous	any	¢	¢	¢	¢
TetrachloroethyleneIndex of the second s	Tetrabromomethane		O to ⋿	-	-	-
Tetrachloromethane (carbon tetrachloride)techn. grade0===Tetrahydrofurantechn. grade0 to ====Tetrahydrofurantechn. grade00000Thioglycolic acid-000000Thioglycolic acid-0-0-0-Thioglycolic acid-0-0-0-0-Thioglycolic acidsany00 </td <td>Tetrachloroethane</td> <td></td> <td>O to ⊏</td> <td>-</td> <td>-</td> <td>-</td>	Tetrachloroethane		O to ⊏	-	-	-
Tetrahydronaphthalene (Tetralin*)techn. grade0 to==Thiaglycolic acidtechn. grade00000Thiopylcolic acid0000000Thiopylcolic acid00000000Thiopylcolic acid000 <td>Tetrachloroethylene</td> <td></td> <td>O to ⋿</td> <td>-</td> <td>-</td> <td>-</td>	Tetrachloroethylene		O to ⋿	-	-	-
Tetrahydronaphthalene (Tetralin®)techn. grade\$\$\$\$\$Thioglycolic acid	Tetrachloromethane (carbon tetrachloride)	techn. grade	0	-	-	-
Thioglycolic acidPPPPThiony chlorideIIIIThiony chlorideIIIIIThiony chloride, aqueousanyIIIIIThi (ly) chloride, aqueoussaturatedIIIIIToluenetechn. gradeIIIIIIToluic acids (methyl benzoic acids)saturatedIIIIIITonato juicesaturatedIII<	Tetrahydrofuran	techn. grade	O to 😑	-	-	-
Thionyl chlorideIndiantIndia	Tetrahydronaphthalene (Tetralin®)	techn. grade	¢	-	0	-
Thiophene0-0-0-Tin (II) chloride, aqueousany\$\$\$\$\$\$Tin (II) chloride, aqueoussaturated\$\$\$\$\$\$Toluenetechn. grade\$\$\$\$\$\$\$Toluic acids (methyl benzoi caids)saturated\$\$\$\$\$\$\$Tomato juice\$ <t< td=""><td>Thioglycolic acid</td><td></td><td>¢</td><td>¢</td><td>¢</td><td>¢</td></t<>	Thioglycolic acid		¢	¢	¢	¢
In (ii) chloride, aqueousanyФФФФTin (iV) chloride, aqueoussaturatedФФФФФToluenetechn, gradeOPOPPToluci acids (methyl benzoic acids)saturatedOFOPTomato juicefechn. gradePPPPTransformer oil (insulating oil)techn. gradePPPPTrichtoroacetaldehyde (chloral)techn. gradePOPPTrichtoroacetal dehyde (chloral)techn. gradePPPPTrichtoroacetal acidtechn. gradePPPPPTrichtoroacetal acid, aqueousS0%PPPPPTrichtoroacetic acid, aqueousS0%PPPPPTrichtoroacetic acid, aqueousS0%PPPPPTrichtoroacetic acid, aqueousS0%PPPPPTrichtoroacetic acid, aqueousS0%PPPPPTrichtoroacetic acidtechn. gradeQPPPPTrichtoroacetic acid, aqueousS0%PPPPPTrichtoroacetic acid, aqueousS0%PPPPPTrichtoroacetic acid, aqueousS0%PPPPPTrichtoroacetic acid, aqueousS0%PPPPP <t< td=""><td>Thionyl chloride</td><td></td><td>-</td><td></td><td>-</td><td></td></t<>	Thionyl chloride		-		-	
In (iV) chloride, aqueoussaturated\$\$\$\$\$\$Toluic acids (methyl benzoic acids)saturated\$\$\$\$\$\$\$Tomato juice\$<	Thiophene		0	-	0	-
Toluenetechn. gradeO=O=Toluic acids (methyl benzoic acids)saturatedOOOOTomato juicePPPPPPTransformer oil (insulating oil)techn. gradePPOPTributyl phosphatePPPPPPTrichloroacetaldehyde (chloral)techn. gradePPPPTrichloroacetic acid, aqueousEPPPPPTrichloroacetic acid, aqueousEPPPPPTrichloroacetic acid, aqueousEPPPPPTrichloroacetic acid, aqueousEPPPPPTrichloroacetic acid, aqueousEPPPPPPTrichloroacetic acid, aqueousEPPPPPPPTrichloroacetic acid, aqueousEPPP	Tin (II) chloride, aqueous	any	¢	¢	¢	ф
Totluic acids (methyl benzoic acids)saturateOOOTomato juice00000Transformer oil (insulating oil)techn. grade0000Tributyl phosphate000000Trichloroacetaldehyde (chloral)techn. grade00000Trichloroacetic acidtechn. grade000000Trichloroacetic acid, aqueous50%000000Trichloroacetic acid, aqueous50%0000000Trichloroacetic acid, aqueous50%000 <td>Tin (IV) chloride, aqueous</td> <td>saturated</td> <td>¢</td> <td>¢</td> <td>¢</td> <td>¢</td>	Tin (IV) chloride, aqueous	saturated	¢	¢	¢	¢
Tomato juiceImage<	Toluene	techn. grade	0	-	0	-
Transform oil (insulating oil)techn. gradePOPOTribuly l phosphateCFFFFFFTrichloroacetaldehyde (chlora)techn. gradePOFFTrichloroacetic acidtechn. gradePOFFTrichloroacetic acid, aqueousS0%PPPFTrichloroacetic acid, aqueousS0%PFFFTrichloroacetic acid, aqueousS0%PPFFTrichloroacetic acid, aqueousEFFFFTrichloroethylenetechn. gradePPPFTrisb-chloroethylphosphateEPPFFTritestyl phosphateIPPPPPTriethanolamine (2,2'2'-nitrilotriethanol), aqueousanyPPPPPTriethylene glycolIPPPPPPPTrinon <sup>®</sup> IPPPPPPPPPTrimethylol propane, aqueousIPPP <td>Toluic acids (methyl benzoic acids)</td> <td>saturated</td> <td>0</td> <td></td> <td>0</td> <td></td>	Toluic acids (methyl benzoic acids)	saturated	0		0	
Tributyl phosphateImageI	Tomato juice		¢	¢	¢	¢
Trichloroacetaldehyde (chloral)techn. grade\$\$\$\$\$\$\$\$Trichloroacetic acidaqueous50%\$\$\$\$\$\$\$Trichloroacetic acid, aqueous50%\$\$\$\$\$\$\$\$Trichloroacetic acid, aqueous50%\$ <td>Transformer oil (insulating oil)</td> <td>techn. grade</td> <td>¢</td> <td>0</td> <td>¢</td> <td>0</td>	Transformer oil (insulating oil)	techn. grade	¢	0	¢	0
Trichloroacetic acidtechn. grade\$OO=Trichloroacetic acid, aqueous50%\$\$\$\$\$TrichlorobenzeneIIIIIIITrichloroethylenetechn. gradeO\$\$\$IITrichschloroethylphosphateII\$\$\$IIITrichschloroethylphosphateII\$\$\$\$III </td <td>Tributyl phosphate</td> <td></td> <td>¢</td> <td>¢</td> <td>¢</td> <td></td>	Tributyl phosphate		¢	¢	¢	
Trichloroacetic acid, aqueous50% $\Phi$ $\Phi$ $\Phi$ $\Phi$ $\Phi$ Trichloroebnzene $I$ $I$ $I$ $I$ $I$ $I$ $I$ Trichloroethylenetechn. grade $O$ to $I$ $I$ $I$ $I$ $I$ Tri-S-chloroethylphosphate $I$ $I$ $I$ $I$ $I$ $I$ $I$ $I$ Tricresyl phosphate $I$	Trichloroacetaldehyde (chloral)	techn. grade	¢	¢	0	-
TrichlorobenzeneInInInInInTrichloroethylenetechn. gradeOtonInInInTrichschloroethylphosphateInInInInInTrichschloroethylphosphateInInInInInTrichschloroethylphosphateInInInInInTrichschloroethylphosphateInInInInInTrichschloroethylphosphateInInInInInTriethanolamine (2,2'2'-nitrilotriethanol), aqueousanyInInInInTriethylene glycolInInInInInInTrinohInInInInInInInTrinohylo propane, aqueousInInInInInInTrisodium phosphateInInInInInInTrisodium phosphateInInInInInInTurgentine oilInInInInInInTurgen fuInInInInInInTurgen fuInInInInInInTurgen fuIn <t< td=""><td>Trichloroacetic acid</td><td>techn. grade</td><td>¢</td><td>O to 😑</td><td>0</td><td>-</td></t<>	Trichloroacetic acid	techn. grade	¢	O to 😑	0	-
Trichloroethylenetechn. gradeO to =I = 0I = 0Tri-8-chloroethylphosphateIIIIITricresyl phosphateIIIIIITriethanolamineIIIIIIITriethanolamine (2,2'2''-nitrilotriethanol), aqueousanyIIIIIITriethanolamine (2,2'2''-nitrilotriethanol), aqueousIIIIIIIITriethylene glycolII<	Trichloroacetic acid, aqueous	50%	¢	¢	¢	¢
Tri-8-chloroethylphosphateImage: second	Trichlorobenzene		-	-	-	-
Tricresyl phosphateImage: sector of the sector	Trichloroethylene	techn. grade	O to =	-	-	-
TriethanolamineImage: strain of the strain of	Tri-B-chloroethylphosphate		¢	¢	¢	
Triethanolamine (2,2'2''-nitrilotriethanol), aqueousanyAOAOTriethylene glycol444444Trilon®444444Trimethylol propane, aqueous544444Trimethyl borate544444Trisodium phosphate544444Turpentine oiltechn. grade4444Tutogen® U544544	Tricresyl phosphate		¢	¢	¢	
Triethylene glycolÍÍÍ </td <td>Triethanolamine</td> <td></td> <td>¢</td> <td>₽▽</td> <td>¢</td> <td>OΔ</td>	Triethanolamine		¢	₽▽	¢	OΔ
Trilon® </td <td>Triethanolamine (2,2'2''-nitrilotriethanol), aqueous</td> <td>any</td> <td>¢</td> <td>0</td> <td>¢</td> <td>0</td>	Triethanolamine (2,2'2''-nitrilotriethanol), aqueous	any	¢	0	¢	0
Trilon® </td <td></td> <td></td> <td>¢</td> <td>ф</td> <td>¢</td> <td>ф</td>			¢	ф	¢	ф
Trimethyl borate이이이 <td></td> <td></td> <td>¢</td> <td>ф</td> <td></td> <td></td>			¢	ф		
Trioctyl phosphate한이한Trisodium phosphate추추추Turpentine oiltechn. grade추주주Tutogen® UF추주F	Trimethylol propane, aqueous		¢	¢	¢	¢
Trisodium phosphate주주주주Turpentine oiltechn. grade주OOOTutogen® UTutogen® UTutogen® UTutogen® UTutogen® UTutogen® UTutogen® U	Trimethyl borate		¢	O to 😑	¢	-
Turpentine oiltechn. grade추 to OOOTutogen® U소소소	Trioctyl phosphate		¢	0	¢	
Tutogen® U & &	Trisodium phosphate		¢	¢	¢	¢
Tutogen® U & &		techn. grade	<b>∲</b> to O	•	0	-
Tween® 20 and 80 🗢 📼	Tutogen® U		¢	¢		
	Tween® 20 and 80		¢	-		
Two-stroke oil 🗘 O	Two-stroke oil		¢	0		

Substance	Concentration	Behaviour of		Behaviour of	
	concentration	MDPE/HDPE		LDPE/LLDPE/	
		at	r L	mLLDPE	
		ас 20 'С	60 °C	20 °C	at 60 ℃
Urea, aqueous	up to 33%	20 C	- 00 C - <del>0</del>	20 C	00 C
Uric acid	up to 33%	Ф Ф	ф	÷	Ф
Urine		-	-	-	-
onne		¢	¢	¢	¢
Vacilia	tasha sanda	-The to O	0	0	0
Vaseline	techn. grade	⊕ to O	0	0	0
Vaseline oil	techn. grade	⊕ to O	0	0	0
Vinegar (wine vinegar)	as supplied commerc.	¢	¢	¢	¢
Vinylidene chloride (1,1-dichloroethylene)	techn. grade	-		-	0
Vinyl acetate		ф ,	ф	÷	0
Viscose spinning solutions		¢	¢	0	¢
Vitamin C		Ф ,		¢	
Vitamin preparations, dry (powder)		¢		¢	
			-		
Walnut oil		ф -	0	0	0
Washing up liquids	usual	¢	¢	¢	¢
Waste gases containing carbonic acid	any	¢	¢		
Waste gases containing carbon dioxide	any	¢	¢		
Waste gases containing carbon monoxide	any	¢	¢		
Waste gases containing hydrochloric acid	any	¢	÷		
Waste gases containing hydrogen fluoride	trace	¢	¢		
Waste gases containing nitrogen oxides	trace	¢	¢		
Waste gases containing sulphur dioxide	low	¢	¢		
Waste gases containing sulphuric acid (moist)	any	р	р		
Waste gases containing sulphur trioxide					
(fuming sulphuric acid)	trace			-	
Water, distilled		¢	¢	¢	¢
Waxes		¢	& to O	¢	0
Wax alcohols	techn. grade	0	0		
Whey		¢	÷	¢	¢
Whisky		¢		¢	
White spirit	techn. grade	Φ		0	
Wine		¢		¢	
Wine vinegar (table vinegar)	as supplied commerc.	ф	¢	¢	¢
Wood stains	end use concentration	Φ	¢ to O		
Xylene		0	-	0	-
Yeast		ф	¢	¢	¢
Zinc carbonate		¢	¢	¢	¢
Zinc chloride, aqueous	any	¢	¢	¢	¢
Zinc oxide		- -	- ф	0	0
Zinc salts, aqueous	any	- ф	- ¢	۰ ۵	- Ф
Zinc sludge		- ф	- ¢	۰ ٥	о Ф
		-	-	-	-

Substance	Concentration	Behaviour of		Behaviour of	
		MDPE/HDPE		LDPE/LLDPE/	
		at		mLLDPE at	
		20 °C 60 °C		20 'C	60 °C
Zinc stearate		¢	Ф	Φ	¢
Zinc sulphate, aqueous	any	¢	Ф	¢	¢