CHEMICALS			F	AST	OME	RS					MET	ALS				PLAS	TICS		
0112111107123															~				
	WIL-FLEX™	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX [™] TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NYLON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
ACETALDEHYDE	> B	D	 D	D	A	D D		S	B	A	A	_	A/100	B/70	A	C	C	D	D
ACETAMIDE	А	D	A	A	A	A	A	-	A	A	A	- -	A/100 A/200	B/120	A	A/70	A/70	A/140	D
ACETATE SOLV	В	D	D	D	C	-	A	-	В	D	A	-	A/100	A	-	B/72	B/72	A A	D
ACETIC ACID, GLACIAL	В	C	D	D	В	D	Α	В	В	D	A	Α	A/100	D	D	A/100	D	A/120	D
ACETIC ACID	В	C	C	C	A	C	Α	A	В	D	Α	Α	A/100	D	D	B/70	A/120	A	D
ACETIC ANHYDRIDE	A	D	В	D	В	D	Α	D	В	D	Α	А	A/200	D	D	С	D	B/70	D
ACETONE	В	D	D	D	Α	D	Α	В	Α	Α	Α	Α	A/200	B/120	Α	D	B/70	D	D
ACETOPHENONE	В	D	D	D	Α	D	Α	-	В	Α	В	-	A/200	А	-	A/70	-	A/70	-
ACETYL CHLORIDE	В	D	D	D	С	В	Α	-	D	Α	В	-	A/100	D	-	-	D	A/120	С
ACETYLENE	С	-	В	Α	Α	А	Α	Α	Α	Α	Α	-	A/200	А	Α	B/72	D	А	Α
ACRYLONITRILE	В	-	D	D	D	D	Α	-	В	Α	Α	В	-	B/70	-	В	А	A/70	В
ADIPIC ACID	В	-	D	В	-	-	Α	-	В	В	В	-	-	-	-	В	А	В	Α
ALCOHOLS																			
AMYL	Α	С	В	В	Α	В	Α	Α	В	В	Α	Α	A/200	А	Α	В	B/120	А	Α
BENZYL	Α	-	В	D	С	Α	Α	-	В	В	Α	Α	A/200	D	Α	A/70	D	A	D
BUTYL	Α	D	A	A	A	A	A	-	В	В	A	A	-	A	Α	В	Α	Α	Α
DIACETONE	C	В	D	D	В	D	A	-	A	A	A	A	-	A	Α	B/72	B/72	A/70	В
ETHYL	В	D	A	A	A	A	A	Α	В	A	A	A	-	В	Α	A 770	В	A	C
HEXYL	В	D	В	A	В	Α	Α	-	A	A	A	Α	-	A D/70	Α	A/70	A /120	A	Α
ISOBUTYL ISOPROPYL	A B	D D	A B	C	A B	A	A	- A	B B	C	A	A	- A/70	B/70 B/70	A	- A	A/120 A/120	A/150	A
METHYL	А	D	A	A	В	D	A	A	В	A	A	A	A/70 A/70	B/70	A	A/120	A/70	AV 130	A
OCTYL	В	D	В	В	A	A	A	- A	A	A	A	A	- AV 7 O	Α	A	Ay 120	A	-	-
PROPYL	A	D	A	A	В	A	A	-	A	A	A	A	A/70	В	A	А	A/120	A/120	Α
ALKAZENE	D	В	D	D	D	Α	Α	-	-	-	-	-	-	-	-	-	-	-	-
ALUM-NH3-CR-K	A	-	A	A	A	D	Α	-	-	-	-	-	-	-	-	-	-	А	-
ALUMINUM ACETATE	Α	D	В	С	Α	D	Α	-	Α	D	В	В	-	-	-	-	-	-	-
ALUMINUM CHLORIDE 20%	Α	В	Α	Α	Α	Α	Α	D	В	D	С	Α	-	D	С	А	B/120	А	Α
ALUMINUM FLUORIDE	Α	С	Α	Α	В	-	Α	-	В	D	С	В	Α	B/70	С	А	A/70	А	Α
ALUMINUM HYDROXIDE	Α	-	Α	Α	Α	Α	Α	-	Α	D	Α	-	А	B/70	Α	А	A/120	А	Α
ALUMINUM NITRATE	А	С	Α	Α	Α	А	Α	-	В	D	Α	-	Α	B/70	В	А	A/120	А	В
ALUMINUM PHOSPHATE	Α	-	Α	Α	Α	Α	Α	-	-	-	Α	-	-	-	-	-	-	-	-
ALUMINUM POTASSIUM SULFATE (ALUM)	Α	-	Α	Α	Α	Α	Α	-	В	D	Α	В	-	D	С	А	A/120	А	Α
ALUMINUM SULFATE	В	D	Α	Α	Α	Α	Α	D	С	D	Α	Α	А	A/120	В	А	A/120	А	Α
AMINES	Α	D	В	D	-	D	-	-	A	D	Α	-	D	D	D	-	C/70	-	D
AMMONIA, ANHYDROUS	Α	D	Α	В	A	D	Α	-	В	D	Α	Α	A/200	B/70	D	A/70	B/120	D	Α
AMMONIA, GAS (COLD)	Α	-	A	A	D	A	A	-	-	-	-	-	-	-	Α	В	-	D	-
AMMONIA, GAS (HOT)	Α	- D	В	C	C	D	A	-	- D	- A	- Λ	- D	-	- D./70	A	- A /70	- 0.770	-	- A
AMMONIA, LIQUIDS	A	B D	C	В	_ A	D -	A -	-	D C	A	A	B -	-	B/70 D	D C	A/70	C/70	A	A B
AMMONIA NITRATE AMMONIUM BIFLUORIDE	A	-	A	A	-	A	A	-	D	D	A	В	A	-	D	A/70	A/120	A	А
AMMONIUM CARBONATE	A	-	A	D	A	В	A	-	С	С	A	В	A	A	D	A A	B/120	A	A
AMMONIUM CASENITE	A	-	A	-	-	-	-	-	-	-	A	-	-	_	A	-	-	-	-
AMMONIUM CHLORIDE	A	A	A	A	A	A	A	A	C	D	C	A	A	С	В	A	A/120	A	A
AMMONIUM HYDROXIDE	A	D	A	В	A	В	A	D	С	A	A	A	A/200	A	С	A	A/70	A	A
AMMONIUM NITRATE	A	D	A	A	A	В	A	-	В	A	A	A	Α	В	A	A	A/70	A	A
AMMONIUM NITRITE	А	-	А	Α	А	-	А	-	-	-	-	-	-	-	-	A/70	-	А	-
AMMONIUM OXALATE	А	-	А	А	-	-	-	-	-	D	А	А	-	-	В	-	-	-	А
AMMONIUM PERSULFATE	Α	D	Α	D	В	А	А	-	С	D	Α	А	A/150	D	D	А	A/120	А	Α
AMMONIUM PHOSPHATE, DIBASIC	Α	-	Α	Α	А	А	А	-	В	D	А	А	A/70	D	В	А	A/120	А	Α
AMMONIUM PHOSPHATE, MONOBASIC	Α	-	Α	Α	Α	А	А	-	В	D	Α	Α	-	В	В	А	А	А	Α
AMMONIUM PHOSPHATE, TRIBASIC	Α	-	Α	Α	Α	А	А	-	В	D	Α	Α	-	В	В	А	С	А	А

Ratings: A: Minor effect; B: Minor to moderate effect; C: Moderate to severe effect; D: Not recommended; —: Insufficient information.

CHEMICALS			EL	AST	OMEI	RS					META	ALS				PLAS	TICS		
5112111151125															(FA)				
	WIL-FLEX TM	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX TM TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NYLON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
AMMONIUM SULFATE	A		Z A	A	_	> D		B	■ B	C	_	■ B	± Α	B/70	В	A	A/70	_	A
AMMONIUM THIO-SULFATE	A	Α	A	A	A	-	A	- D	- B	D	A	. B	- A	B//U	В	- A	A/70	A -	A .
AMYLACETATE AMYLACETATE	В	D	D	D	В	D D	A	В	В	С	A	В	A/100	C	В	C/70	C/70	A/120	D
AMYL-ALCOHOL	В	D	В	В	A	В	A	A	В	В	Α	A	Α Α	B/70	A	B	B/120	A A	A
AMYL-BORATE	В	-	В	A	D	A	A	-	-	-	-	-	-	-	-	-	-	-	-
AMYL-CHLORIDE	C	-	D	D	D	Α	А	-	D	А	А	А	А	D	А	D	D	А	D
AMYL-CHLORONAPTHALENE	С	D	D	В	D	Α	А	-	-	-	-	-	-	-	-	-	-	-	-
AMYL-NAPTHALENE	С	D	D	D	D	Α	Α	-	-	-	-	-	-	-	-	-	-	-	-
ANILINE	В	-	D	D	-	D	Α	D	С	С	Α	В	A/100	С	Α	В	С	C/70	С
ANILINE DYES	В	D	В	С	А	Α	Α	-	В	А	В	-	-	-	-	-	-	-	-
ANILINE HYDROCHLORIDE	Α	D	D	С	В	В	Α	-	D	D	D	-	-	D	-	-	D	А	В
ANIMAL FATS	В	В	В	Α	Α	Α	Α	-	Α	Α	Α	-	-	-	Α	-	-	-	-
ANSUL ETHER	D	В	D	С	С	D	Α	-	-	-	-	-	-	-	-	-	-	-	-
ANTI-FREEZE	Α	-	С	Α	-	Α	-	-	Α	Α	Α	-	-	D	D	А	-	-	Α
AQUA REGIA (80%, HCI, 20% HNO3)	D	D	D	D	С	С	A	-	D	D	D	D	A/100	D	D	В	B/70	A/70	С
AROCHLOR(S)1248	D	-	D	D	C	Α	A	-	Α	В	A	-	-	B/70	-	-	C/70	-	-
AROMATIC HYDROCARBONS	C	D	D	D	D	A	A	-	A	A	A	-	-	A	A	D	C D (120	-	D
ARSENIC ACID	A B	C	A	C	A D	A D	A	-	D D	D D	A D	-	A	C	D D	A	B/120	A -	А
ARSENIC TRICHLORIDE ASKAREL	D	D	C	В	D	A	A	-	- -	-	- U	-	-	-		-	-	-	-
ASPHALT	В	В	В	В	D	A	A	D	C	A	A	-	-	A	В	A	A/70	A	A
BARIUM CARBONATE	A	-	-	A	A	A	A	-	В	A	A	-	A	B/70	A	A	B/120	A	A
BARIUM CHLORIDE	A	Α	A	A	A	Α	A	-	D	C	C	A	A	B/120	A	A	A/70	A	A
BARIUM CYANIDE	Α	-	A	С	-	Α	-	-	С	C	A	-	-	-	В	-	В	-	D
BARIUM HYDROXIDE	Α	А	Α	A	Α	Α	Α	D	D	D	Α	В	А	B/70	D	А	B/120	А	Α
BARIUM NITRATE	Α	-	Α	Α	-	Α	-	-	В	А	А	-	A/73	B/70	В	-	B/120	-	А
BARIUM SULFATE	Α	А	-	Α	Α	Α	Α	-	D	В	А	-	Α	B/70	В	А	B/120	А	В
BARIUM SULFIDE	Α	Α	Α	Α	Α	Α	Α	-	D	D	Α	-	А	B/70	Α	Α	B/120	Α	Α
BEER	Α	D	Α	Α	Α	Α	Α	Α	Α	D	А	-	A/150	B/70	А	B/70	A/120	A/175	Α
BEET SUGAR LIQUIDS	Α	D	В	Α	Α	Α	Α	-	Α	Α	Α	-	-	А	В	Α	A/70	А	Α
BEET SUGAR LIQUORS	Α	D	Α	Α	Α	Α	Α	-	Α	В	Α	-	A/150	-	Α	-	-	-	-
BENZALDEHYDE	В	D	D	D	В	D	Α	-	В	Α	Α	-	A/73	С	Α	D	A/70	A/70	D
BENZENE	C	D	D	D	D	Α	Α	В	В	Α	Α	В	A/200	А	Α	B/72	C/70	A/70	С
BENZENESULFONIC ACID	A	D	Α	С	С	Α	A	-	D	D	В	-	A/200	D	С	-	A/70	A/70	А
BENZYL BENZOATE	C	-	D	D	В	Α	A	-	A	В	В	-	- A (4.00	-	-	-	-	-	┝╌
BENZYL CHLORIDE BENZOIC ACID	C	D	D D	D	D	C	A	-	D	D D	В	-	A/100	A	A	D	- A /70	C	-
BENZOL ACID	A B	D D	D	D D	B D	A D	A	- A	B B	В	A	A	A/250	D D	B A	B D	A/70 C/70	A/70	A -
BLAST FURNACE GAS	A	D	A	С	В	A	A	- A	- D		- A	- A		_	D	-	-	A)/U	
BLEACH SOLUTIONS	В	D	D	D	A	A	A	-	D	-	-	-	A	-	D	В	A/70	-	Ė
BORAX (SODIUM BORATE)	A	A	D	В	A	Α	A	Α	С	А	Α	А	A	A	В	A	A/120	А	А
BORDEAUX MIXTURE	A	D	A	A	A	Α	A	-	D	C	A	-	-	-	-	-		-	-
BORIC ACID	A	А	A	A	Α	Α	Α	Α	В	D	Α	Α	А	В	А	Α	A/120	А	А
BRINE	A	Α	A	A	Α	Α	Α	-	С	С	-	A	A	-	Α	A	-	A	-
BREWERY SLOP	Α	-	Α	Α	-	Α	-	-	-	Α	Α	-	-	-	-	-	-	-	-
BROMINE	С	D	D	D	С	Α	Α	-	D	-	D	Α	A/150	D	D	B/72	D	A/150	С
BROMINE-ANHYDROUS	С	D	D	-	С	Α	Α	D	D	D	D	-	-	D	-	D	-	A/150	-
BROMINE-TRIFLUORIDE	С	D	D	D	D	D	Α	-	D	D	В	-	-	-	D	D	-	-	-
BROMINE-WATER	В	D	В	-	-	Α	А	-	D	D	В	-	A/250	-	D	D	-	А	-
BROMOBENZENE	D	D	D	D	D	В	Α	-	D	В	В	·	A/73	-	-	D	-	-	-
BUNKER OIL	В	В	В	Α	D	Α	Α	-	Α	А	Α	-	-	-	-	-	-	-	-
BUTADIENE	С	D	В	Α	С	Α	Α	-	Α	-	Α	-	A/200	-	А	-	D	А	С

Ratings: A: Minor effect; B: Minor to moderate effect; C: Moderate to severe effect; D: Not recommended; —: Insufficient information.

CHEMICALS			EI	AST	OME	RS					MET	ALS				PLAS	TICS		
0112.111107123															~				
	WIL-FLEX TM	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX™ TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NYLON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
BUTANE	C	A	В	A	C	Α	A	A	A	-	A	-	A/200	B/70	A	B/72	C/70	A/200	C
BUTTER	В	Α	В	A	A	A	A	-	A	D	Α	-	-	-	A	-	-	-	-
BUTTERMILK	Α	-	Α	Α	-	Α	-	-	Α	D	Α	-	-	B/70	Α	-	A/70	-	А
BUTYL ACETYL RICINOLEATE	В	D	В	Α	D	Α	Α	-	Α	Α	Α	-	-	-	Α	-	-	-	-
BUTYL ACETATE	В	С	D	D	В	D	Α	В	Α	Α	С	В	A/150	А	Α	D	C/70	A/70	D
BUTYL ACRYLATE	С	-	D	D	D	D	Α	-	-	-	-	-	-	-	Α	D	-	A/70	-
BUTYL AMINE	Α	D	D	В	D	D	Α	-	Α	-	-	В	-	А	С	-	-	B/70	D
BUTYL BENZOATE	С	-	D	-	В	Α	Α	-	В	В	В	-	-	-	Α	-	-	-	-
BUTYL CARBITOL	В	-	В	Α	Α	Α	Α	-	-	-	-	-	-	-	Α	-	-	-	-
BUTYL CELLOSOLVE	Α	D	С	В	Α	С	Α	-	-	-	-	-	A/73	-	Α	-	-	-	-
BUTYL OLEATE	С	-	D	-	В	А	А	-	-	-	-	-	-		А	-	-	-	-
BUTYL STEARATE	С	-	D	Α	В	Α	Α	-	В	В	В	-	A/73	-	Α	-	-	-	-
BUTYLENE	D	D	-	В	D	Α	Α	-	Α	-	Α	-	Α	B/70	Α	D	B/70	Α	Α
BUTRALDEHYDE	C	С	С	D	В	D	Α	-	-	-	-	-	-	-	-	D	-	В	-
BUTYRIC ACID, AQEOUS	Α	-	D	D	С	D	А	-	В	-	Α	Α	A	B/70	С	Α	D	А	В
CALCIUM BISULFIDE	D	Α	Α	Α	-	Α	-	-	С	-	В	Α	Α	A	Α	Α	B/70	A	Α
CALCIUM CARBONATE	Α	-	Α	Α	Α	Α	Α	-	С	-	Α	Α	Α	А	A	Α	B/70	A	Α
CALCIUM CHLORIDE	A	Α	Α	A	A	Α	A	A	С	C	С	A	Α	B/70	D	A	B/70	A	C
CALCIUM HYDROXIDE	A	Α	A	A	A	A	A	В	C	A	A	Α	A	A/120	D	A	A/120	A	В
CALCIUM HYPOCHLORITE	A	D	В	В	В	Α	A	В	C	D	Α	A	A	C	D	A	A/70	A	В
CALCIUM NITRATE	A	А	A	A	A	A	A	-	В	C	В	В	A	D	D	A	A/70	A	A
CALCIUM SULFATE	A	- A	D	A	A	Α	A	-	В	A	A	В	A	D	D	A /120	B/70	A	В
CALCIUM SULFIDE CALGON	A	Α	В	A	A	Α	А	-	Α	B D	В	-	-	- ^	-	A/120	-	А	-
CALGON CANE JUICE	A	- D	A	A	-	_ A	-	-	- В	A	Α	-	-	A	Α	A B/72	-	- A	A
CANE SUGAR LIQUORS	A	D	A	A	Α	A	A	-	А	В	A	-	A/150	A -	A -	A A	-	- A	- A
CARBAMATE	A	D	В	C	В	A	A	-	-	-	-	-	- Ay 130		-	-	-	-	-
CARBITOL	В	D	В	В	В	A	A	-	В	В	В	-			-	С	-	A	
CARBOLIC ACID (SEE PHENOL)	A	С	C	D	C	A	A	D	В	D	A	Α	A/150	С	D	C	D	A/70	D
CARBON BISULFIDE	D	С	D	D	D	A	A	В	A	-	A	-	-	A	A	B/72	-	A	D
CARBON DIOXIDE	A	A	В	A	A	В	A	A	Α	D	Α	А	A	B/70	A	A	A/70	A	A
CARBON DISULFIDE	D	С	D	D	D	Α	А	-	С	Α	Α	В	A/200	B/70	Α	B/72	C/70	A/70	D
CARBON MONOXIDE	Α	Α	В	Α	С	Α	А	Α	Α	Α	Α	В	A/150	A	Α	Α	A/120	В	Α
CARBON TETRACHLORIDE	D	С	D	С	D	Α	Α	D	D	С	Α	Α	A/200	D	Α	B/72	D	Α	D
CARBONATE WATER	Α	-	Α	Α	-	Α	-	-	Α	D	Α	-	-	А	Α	А	Α	А	Α
CARBONIC ACID	Α	Α	Α	В	Α	Α	Α	-	Α	D	В	Α	Α	B/70	В	А	B/120	А	Α
CATSUP	Α	-	С	Α	-	Α	-	Α	D	D	Α	-	-	А	В	А	-	-	Α
CELLOSOLVE	С	D	С	С	Α	В	Α	-	В	В	В	-	A/200	Α	Α	А	-	Α	-
CELLOSOLVE ACETATE	С	D	D	С	Α	Α	Α	-	-	-	-	-	A/73	-	Α	-	-	A/120	-
CELLULUBE	D	D	D	D	Α	Α	Α	-	-	-	-	-	-	-	Α	-	-	-	-
CLORACETIC ACID	D	D	D	D	В	D	Α	-	D	D	С	Α	A	D	D	B/72	-	А	-
CHLORINATE GLUE	C	-	D	C	-	Α	-	-	D	D	Α	-	-	-	D	-	-	-	-
CHLORINE (DRY)	C	D	D	D	C	Α	A	D	D	D	-	Α	A/150	D	D	D	D	A	D
CHLORINE (WET)	C	D	D	D	D	Α	A	D	D	В	D	A	A/200	C	D	D	B/70	A	-
CHLORINE, ANHYDROUS LIQUID	D	-	D	D	-	Α	A	D	D	D	D	A	- A (000	С	D	D	D	A	D
CHLORINE DIOXIDE	D	-	D	D	C	Α	A	D	D	D	D	А	A/200	-	-	-	-	А	-
CHLORINE TRIFLUORIDE	D	D	D	D	D	С	A	D	D	D	A	-	-	-	- D	- D	- D	-	-
CHLOROACETONE CHLOROACETONE	C	D	C	D	D	В	A	D	D	В	В	- A	A /100	- D/70	В	D	D	- A /1EO	- D
CHLOROBENZENE (MONO)	C	D	D	D	D	Α	Α	D	D	В	A	A -	A/100	B/70 -	B B	D	D	A/150 -	D
CHLOROBROMOMETHANE CHLOROBUTADIENE	D C	D D	D D	D D	B D	A	Α	D D	D D	B B	В				- B	D D	А		D -
	D	D	D D	D	D	A	A	D	D	- B	- A	-	-	-	-	D	-	-	-
CHLORODODECANE	Π	υ	υ	Ιν	ען	А	Α	υ	υ	-	-		-			ח			

Ratings: A: Minor effect; B: Minor to moderate effect; C: Moderate to severe effect; D: Not recommended; —: Insufficient information.

CHEMICALS			E	AST	OME	RS					META	ALS				PLAS	TICS		
															7				
	WIL-FLEX™	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX™ TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NYLON	Carbon-filled acetal (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
CHIODOLOBY	D		_	_	_	-		_		-				_				_	D
CHLOROFORM 1-CHLORONAPTHALENE	D	С	D D	D D	D	Α	A	D	D D	D	A B	B -	A/200	D -	Α	D D	C/70	А	
1-CHLORO 1-NITRO ETHANE	С	D	D	D	D D	C	A	D D	D	- B	- D	-	-	-	-	D	-	-	-
CHLOROSULFONIC ACID	A	D	D	D	D	D	A	D	D	D	D	В		D	D	D	D	D	D
CHLOROTOLUENE	C	D	D	D	D	A	A	D	D	В	В	-	_	-	A	D	-	-	-
CLOROX® (BLEACH)	В	D	В	С	-	A	A	D	D	D	A	Α	-	А	D	В	-	-	А
CHOCOLATE SYRUP	A	-	-	A	-	Α	-	-	Α	D	Α	-	-	А	A	A	-	-	-
CHROMIC ACID 5%	Α	D	D	D	А	А	А	-	С	D	Α	Α	A/200	D	D	A/70	D	A/120	Α
CHROMIC ACID 50%	Α	D	D	D	С	А	Α	-	С	D	В	Α	A/200	С	D	A/70	D	A/120	D
CHROME PLATING SOLUTIONS	В	D	D	D	D	Α	А	D	D	D	D	А	-	-	D	В	-	А	-
CIDER	Α	-	Α	Α	-	Α	-	D	В	D	Α	-	-	-	Α	-	В	-	А
CITRIC ACID	Α	Α	Α	Α	Α	Α	Α	Α	С	D	Α	Α	Α	B/70	С	Α	D	А	В
CITRIC OILS	С	-	D	Α	В	Α	Α	-	С	D	Α	-	-	-	В	А	-	-	-
COBALT CHLORIDE (2N)	Α	D	Α	Α	С	Α	Α	-	D	D	-	-	-	-	-	А	-	-	-
COFFEE	Α	D	Α	Α	-	Α	-	-	Α	-	Α	Α	-	А	Α	А	-	-	-
COKE OVEN GAS	В	D	C	C	D	Α	Α	-	-	-	-	-	A	-	-	-	-	-	-
COPPER ACETATE	A	D	В	В	A	-	A	A	D	D	С	-	-	-	A	-	-	-	-
COPPER CHLORIDE	A	A	В	A	A	A	A	A	D	D	D	-	A	A	A	A	- D/400	A	A
COPPER CYANIDE	A	Α	A	A	А	A	Α	A	D	D	A	A	A	B/70	A	А	B/120	А	A
COPPER PLUOBORATE	A	-	A	В	- A	A	-	A	D	D	D	В	-	-	В	-	- D/100	-	A
COPPER NITRATE COPPER SULFATE (5% SOLUTION)	A	- A	A	A	Α	Α	A	Α	D D	D D	Α	A	A	D C	A D	A A	B/120 A/120	A	A
CREAM	A	A .	C	A	- A	A	A -	A -	A	D	A	_ A	A -	A	A	A	- AV 120	A .	A
CRESOLS	C	D	D	D	D	A	A	-	В	С	A	В	A/150	D	В	D	C/70	A/150	D
CRESYLIC ACID	В	D	D	D	D	A	A	-	С	A	A	В	-	D	D	C	B/70	A/150	D
CYCLOHEXANE	C	В	D	A	D	Α	A	Α	A	В	Α	В	А	A	A	D	B/70	Α Α	D
CYCLOHEXANOL	В	-	A	В	C	Α	Α	-	С	В	В	A	A	В	Α	В	-	A/150	-
CYCLOHEXANONE	С	D	D	D	С	D	А	-	В	В	В	-	A/73	А	Α	D	D	B/70	D
CYANIC ACID	В	-	D	С	-	-	-	-	-	D	Α	-	-		D	-	-	-	-
DECALIN (DEKLIN)	С	D	D	D	D	Α	Α	-	-	-	-	-	-	-	-	B/120	-	A/175	-
DECANE	С	В	D	В	С	Α	Α	-	-	-	-	-	-	-	-	A/70	-	-	-
DENATURED ALCOHOL	В	D	В	Α	Α	В	Α	-	Α	Α	Α	-	-	-	Α	А	-	А	-
DETERGENTS	В	Α	В	Α	Α	Α	Α	-	Α	-	Α	-	A/200	А	Α	А	D	-	Α
DEVELOPING FLUIDS	Α	D	Α	Α	Α	Α	Α	-	-	-	В	-	-	-	Α	-	-	-	-
DIACETONE	В	В	-	D	Α	D	А	-	Α	Α	Α	-	A/100	А	-	D	А	A/70	-
DIBENZYL ETHER	C	В	D	D	C	C	A	-	В	В	В	-	-	-	-	-	-	-	<u> </u>
DIBENZYL SEBECATE	C	D	D	D	В	В	A	-	-	-	-	-	-	-	-	-	-	-	-
DIBUTYL AMINE	В	- D	D	C	D	В	A	-	- D	- D	- D	-	-	-	-	D	-	- A /20	-
DIBUTYL ETHER DIBUTYL PHTHALATE	B B	B	C D	B D	C	C B	A	- A	B A	B A	B A	-	-	<u>-</u> А	-	D C	-	A/20 D	-
DIBUTYL SEBECATE	В	D	D	D	В	В	A	A	- A	A	A	-	A/200	- A	_	B/72	-	D	<u>-</u>
0-DICHLOROBENZENE	D	D	D	D	D	А	A	- A	D	В	В	-	A/200	-	_	B/70	-	A/150	H
DICHLORO-ISOPROPYL ETHER	D	В	D	D	С	C	A	-	D	-	-	-	-	-	_	D/70	-	-y 130	
DICYCLOHEXYLAMINE	В	D	D	D	D	В	A	-	-	-	-	-	-	-	-	-	-	-	-
DIESEL FUEL	C	В	D	A	D	A	Α	-	Α	А	Α	В	A/200	А	Α	B/70	C/70	А	А
DIETHYL BENZENE	С	D	D	D	D	Α	А	-	-	-	-	-	-	-	-	-	-	-	-
DIETHYL ETHER	В	Α	С	В	D	D	Α	-	В	В	В	В	A/200	С	-	-	-	A/70	D
DIETHYL SEBECATE	В	D	D	D	В	А	А	-	Α	А	А	-	-	-	-	A/120	-	A/120	-
DIETHYLAMINE	В	С	В	В	-	D	-	-	Α	В	Α	А	A/73	B/70	В	С	D	A/70	D
DIETHYLENE GLYCOL	А	D	Α	Α	А	Α	Α	-	В	А	Α	В	A/70	B/70	D	-	B/120	А	С
DIISOBUTYLENE	С	D	С	В	-	Α	Α	-	В	В	В	-	-	-	Α	-	-	А	-
DIISOPROPYL BENZENE	С	-	D	D	D	Α	Α	-	-	-	-	-	-	-	Α	-	-	-	-

Ratings: A: Minor effect; B: Minor to moderate effect; C: Moderate to severe effect; D: Not recommended; —: Insufficient information.

CHEMICALS			EL	.AST	OME	RS					MET	ALS				PLAS	STICS	,	
3.12.11.27.123															(FA)				
	WIL-FLEX™	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX TM TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NATON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
DIISOPROPYL KETONE	C	D	D	D	A	D	A	-	-	-	-	-	A/73	-	A	-	-	-	-
DIMETHYL ANILINE	В	-	D	D	В	C	A	-	Α	-	-	В	A/200	А	D	А	-	A/70	D
DIMETHYL FORMAMIDE	A	-	D	C	-	A	A	-	Α	Α	Α	-	A/100	A	C	A/120	А	D	D
DIMETHYL PHTHALATE	А	-	D	D	В	С	Α	-	-	-	В	-	A/200	С	-	A/70	-	A/70	-
DINITROTOLUENE	В	D	D	D	D	В	Α	-	-	-	-	-	-	-	-	-	-	-	-
DIOCTYL PHTHALATE	С	С	D	D	В	Α	А	Α	Α	Α	Α	-	A/200	А	В	-	-	-	-
DIOCTYL SEBECATE	С	В	D	D	В	В	А	-	-	-	-	-	-	-	В	-	-	-	-
DIOXANE	С	D	D	D	Α	D	А	-	В	Α	Α	-	A/150	А	В	C/120	-	C/120	-
DIOXOLANE	C	D	D	D	С	В	А	-	-	-	-	-	-	-	В	-	-	-	-
DIPENTENE	С	D	D	С	D	А	Α	-	Α	Α	Α	-	-	-	-	-	-	-	-
DIPHENYL	С	D	D	D	D	Α	А	-	Α	В	В	В	-	-	-	-	-	A/120	-
DIPHENYL OXIDE	С	D	D	D	D	Α	А	-	В	Α	Α	В	-	-	D	-	-	В	D
DOWTHERM OIL	D	В	D	-	D	Α	Α	- 1	С	В	Α	-	A/200	А	-	-	-	-	-
DRY CLEANING FLUIDS	D	С	D	С	D	Α	Α	- 1	Α	Α	Α	-	-	-	-	D	-	-	-
DYES	В	-	С	-	-	Α	-	- 1	В	-	Α	-	-	А	С	-	-	-	В
EPICHLOROHYDRINE	В	D	D	D	В	D	Α	D	D	Α	Α	-	A/200	А	В	B/70	-	D	-
EPSOM SALTS (MAGNESIUM SULFATE)	Α	-	Α	Α	Α	А	Α	-	Α	Α	Α	В	А	B/70	В	А	A/120	А	А
ETHANE	С	В	В	Α	D	А	Α	-	Α	-	Α	-	-	D	А	-	-	А	Α
ETHANOLAMINE	Α	С	В	В	В	D	Α	-	В	-	Α	В	-	Α	D	D	-	С	D
ETHER	С	С	D	D	D	С	Α	-	Α	С	Α	В	A/200	Α	Α	С	D	A/70	D
ETHYL ACETATE	С	D	D	D	В	D	Α	В	В	Α	Α	В	A/150	B/120	Α	B/72	Α	D	D
ETHYL ACETOACETATE	С	С	D	D	В	D	Α	- 1	Α	Α	-	-	A/73	-	Α	-	-	A/70	-
ETHYL ACRYLATE	С	D	D	D	В	D	Α	-	Α	Α	Α	-	A/150	-	Α	D	-	С	-
ETHYL BENZENE	С	D	D	D	D	Α	Α	- 1	Α	В	В	Α	-	-	Α	D	-	С	-
ETHYL BENZOATE	С	D	D	D	В	Α	Α	-	Α	Α	Α	-	-	-	Α	-	C/120	D	D
ETHYL CELLOSOLVE	В	D	С	С	Α	В	Α	- 1	-	-	-	-	-	-	Α	-	-	-	-
ETHYL CELLULOSE	Α	В	В	В	В	Α	Α	- 1	В	Α	В	-	-	-	Α	-	-	-	-
ETHYL CHLORIDE	С	С	Α	Α	С	Α	Α	D	D	С	Α	В	А	B/70	Α	D	C/70	Α	D
ETHYL CHLOROCARBONATE	Α	D	С	-	-	Α	Α	D	D	Α	-	-	-	-	Α	-	-	-	-
ETHYL CHLOROFORMATE	С	D	С	-	-	Α	Α	D	D	-	-	-	-	-	Α	D	-	-	-
ETHYL ETHER	С	С	D	В	D	D	Α	-	С	В	Α	В	A/150	B/70	Α	С	D	Α	D
ETHYL FORMATE	В	-	В	D	В	С	Α	-	С	Α	В	-	A/120	-	Α	-	-	-	-
ETHYL MERCAPTAN	С	-	D	D	D	В	Α	-	В	Α	В	-	-	-	-	-	-	-	-
ETHYL OXALATE	В	Α	D	D	Α	В	Α		Α	-	-	-	-	-	-	-	-	-	-
ETHYL PENTOCHLOROBENZENE	D	С	D	D	D	Α	Α	-	D	-	-	-	-	-	-	D	-	-	-
ETHYL SILICATE	В	-	Α	Α	Α	Α	Α	-	В	Α	Α	-	-	-	-	-	-	-	-
ETHYL SULFATE	В	-	-	Α	-	Α	Α	-	-	-	D	-	-	-	-	-	-	-	-
ETHYLENE	C	-	-	В	С	Α	Α	-	Α	Α	Α	-	-	-	Α	-	-	-	-
ETHYLENE CHLORIDE	D	D	D	D	С	Α	Α	-	D	C	Α	В	А	B/70	Α	B/72	D	А	D
ETHYLENE CHLOROHYDRIN	C	D	В	D	Α	В	Α	-	D	В	В	В	A/73	D	В	D	D	A/70	D
ETHYLENE DIAMINE	Α	D	Α	В	Α	D	Α	-	D	Α	Α	С	A/73	B/70	Α	Α	A	D	D
ETHYLENE DICHLORIDE	D	D	D	D	В	Α	Α	D	D	A	Α	В	A/73	B/70	A	D	D	Α	D
ETHYLENE GLYCOL	Α	В	A	A	A	A	Α	Α	Α	В	Α	В	Α	B/70	D	A/120	A/120	Α	A
ETHYLENE OXIDE	A	C	D	D	D	D	Α	Α	A	D	-	Α	А	A/70	Α	D	A	Α	D
ETHYLENE TRICHOLORIDE	D	D	D	D	D	Α	A	-	D	A	A	-	-	-	-	D	-	A	-
FATTY ACIDS	В	-	В	C	D	Α	A	-	В	D	A	A	A	B/70	В	B/70	D	A	A
		l D	В	A	Α	Α	Α	В	D	D	D	В	Α	C	D	Α	A/70	Α	Α
FERRIC CHLORIDE	A			-										-	_				
FERRIC CHLORIDE FERRIC NITRATE	Α	Α	Α	Α	Α	Α	Α	-	D	-	Α	Α	А	С	D	Α	A/120	А	Α
FERRIC CHLORIDE FERRIC NITRATE FERRIC SULFATE	A A	A -	A A	В	Α	Α	Α	-	D	D	Α	Α	Α	С	D	А	A/120	А	Α
FERRIC CHLORIDE FERRIC NITRATE FERRIC SULFATE FERROUS CHLORIDE	A A A	A - D	A A A	B B	A A	A A	A A	-	D D	D D	A D	A B	A A	C D	D D	A A	A/120 A/120	A A	A A
FERRIC CHLORIDE FERRIC NITRATE FERRIC SULFATE	A A	A -	A A	В	Α	Α	Α	-	D	D	Α	Α	Α	С	D	А	A/120	А	Α

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CHEMICALS			E	AST	OME	RS					MET	ALS				PLAS	TICS		
0.11=1111071=2															2				
	WIL-FLEX™	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX™ TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	0Y C	HALAR® ECTFE COATED	NYLON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	Ŧ.	
		PO_	NEC	8	N 9	VIT	担	SAN	ALL	CAS	STA	ALLOY	HAI	≥	CAF	POL	POL	PVDF	PVC
FLUOBORIC ACID	А	-	Α	В	Α	Α	Α	-	D	D	В	Α	A/73	D	Α	А	A/120	А	Α
FLUORINE (LIQUID)	D	-	D	D	С	В	Α	-	D	D	Α	В	-	D	D	D	D	A/70	D
FLUOROBENZENE	С	-	D	D	D	Α	Α	-	D	-	-	-	-	-	Α	D	-	-	-
FLUOROCARBON OILS	D	-	-	-	Α	-	Α	-	D	-	-	-	-	-	-	D	D	-	-
FLUOROLUBE	D	-	Α	С	Α	В	Α	-	-	-	-	-	-	-	-	-	-	-	-
FLUORINATE CYCLIC ETHERS	D	-	-	-	-	-	-	-	D	-	-	-	-	-	-	D	-	-	-
FLUOSILICIC ACID	Α	В	Α	Α	В	-	Α	В	D	D	В	-	А	D	Α	А	A/120	-	D
FORMALDEHYDE	В	D	D	C	Α	A	Α	В	Α	D	Α	В	A/200	D	Α	Α	В	A/120	Α
FORMIC ACID	A	D	D	D	В	В	A	В	D	D	A	A	A/250	D	D	A	D	A	A
FREON 11	D	D	D	C	D	C	A	A	D	C	A	A	A/150	D	Α	D	C	A	Α
FREON 12 (WET) FREON 13	D D	A	B A	Α	B	Α	A	Α	D D	Α	Α	А	A/150	D -	Α	B/72 D	A/70	A	Α
	D		D	A D	A D	A	A	A	D	-	-	-	A /1E0		Α	D	-	A	-
FREON 21 FREON 22	D	- D	A	D	С	D D	A	A	D	- D	- A	A	A/150 A/150	В	A	D	-	A	<u>-</u> А
FREON 31	D	-	A	D	A	D	A	A	D	-	- A	- A	A) 100	_	A	-	-	- A	- A
FREON 32	D	-	A	A	A	С	A	A	D	-	_	-	-	_	A		-	-	-
FREON 112	D	-	В	В	D	A	A	A	D	-	-	-	_	_	A	_	_		_
FREON 113	D	В	A	A	D	C	A	Α	D	-	Α	А	A/150	-	A	D	-	Α	В
FREON 114	D	A	Α	Α	C	A	Α	Α	D	-	-	-	A/150	-	Α	D	-	Α	-
FREON 115	D	-	Α	Α	Α	В	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON 142B	D	-	Α	Α	Α	D	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON 152A	D	-	Α	Α	Α	D	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON 218	D	-	Α	Α	Α	Α	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON C316	D	-	Α	Α	Α	Α	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON C318	D	-	Α	Α	Α	Α	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON 13 B1	D	А	Α	Α	Α	Α	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON 114B2	D	-	Α	В	D	В	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON 502	D	-	Α	В	-	В	Α	Α	D	-	-	-	-	-	Α	-	-	-	-
FREON TF	D	Α	A	A	D	В	A	A	D	Α	Α	Α	-	D	Α	-	-	В	В
FREON T-WD602	D	A	В	В	В	Α	A	A	D	-	-	-	-	-	-	-	-	-	-
FREON TMC FREON T-P35	D	В	В	В	В	A	A	A	D	-	-	-	-	-	-	-	-	-	-
FREON TA	D D	A	A	A	A	A C	A	A	D D	-	-	-	-	-	-	-	-	-	-
FREON TC	D	A	A	A	В	A	A	A	D	-	-	_	-		-	-	-	-	-
FREON MF	D	C	C	A	-	-	A	A	D	-	_	_	-	_	-	-	-	-	-
FREON BF	D	-	В	В	-	-	A	A	D	-	-	-	_	_	-	-	-		-
FRUIT JUICE	A	-	-	A	-	Α	А	-	В	D	Α	Α	A/150	А	D	А	А	Α	Α
FUEL OIL	С	В	В	Α	D	Α	Α	-	Α	Α	Α	Α	A	B/70	Α	С	В	А	Α
FUMARIC ACID	Α	-	В	С	-	Α	Α	-	-	-	-	-	-	-	-	-	-	-	-
FURAN, FURFURAN	С	-	D	D	D	С	Α	-	-	-	-	-	-	-	-	С	-	-	-
FURAN RESIN	С	-	D	D	D	Α	Α	-	Α	-	Α	В	-	-	D	С	D	D	Α
FURFURAL	С	D	D	D	Α	D	Α	-	Α	В	Α	В	A/200	В	Α	D	D	B/120	D
GALLIC ACID	В	D	С	D	В	Α	Α	-	Α	D	В	В	A/150	B/70	-	Α	А	A/70	В
GASOLINE - LEADED	С	С	D	Α	D	Α	Α	Α	Α	Α	Α	Α	А	А	Α	D	-	Α	В
GASOLINE - UNLEADED	C	D	D	D	D	Α	Α	-	Α	Α	Α	Α	А	А	Α	D	-	С	С
GELATINE	Α	Α	Α	Α	Α	Α	A	-	Α	D	Α	Α	A/250	B/70	В	A	A/120	A	В
GLUCOSE	A	A	A	A	A	A	A	-	A	В	Α	A	A	B/70	Α	A	A/120	A	Α
GLUE P.V.A.	A	A	A	D	В	A	A	A	В	A	A	Α	-	A/70	A	В	A/70	A	C
GLYCOLIC ACID	Α	Α	A	Α	Α	Α	Α	Α	Α	В	А	Α	A /1E0	A/70	Α	A /70	A/70	A /70	A
GLYCOLIC ACID GLYCOLS	A	- В	A	A	- ^	A	- A	-	- В	- В	- В	- A	A/150	B/70	A D	A/70 A	A/120 -	A/70 A	B -
GOLD MONOCYANIDE	A	- B	A	A	A	A	- A	-	- B	D	А	-	_ A	B/7U	A			- A	-
GOLD MINIMOCIAMINE	L A		H	l A	-	А	-			ПΠ	А		-		А	-	-	-	

Ratings: A: Minor effect; B: Minor to moderate effect; C: Moderate to severe effect; D: Not recommended; —: Insufficient information.

CHEMICALS			El	AST	OMEI	RS					META	ALS				PLAS	STICS		
															CFA)				
	WIL-FLEX TM	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX™ TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NYLON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
ODADE WHO	-	-	_	_	_	_		_	_	-	_			_	_				_
GRAPE JUICE	A	-	A	A	-	Α	-	-	В	D	A	-	-	A	В	Α	В	A	A
GREASE	В	-	D	A	D	A	A	-	Α	А	А	Α	-	-	А	-	-	А	А
GREEN SULFATE LIQUOR HALOWAX OIL	A D	- A	A D	A D	A D	A	A	-	-	-	-	-	-	-	-	Α -	-	-	-
HEPTANE	С	В	В	A	-	A	A	-	A	A	A	A	A	A	A	C/170	B/70	A	C
HEXANE	C	В	В	A	D	A	A	A	A	A	A	A	A	B/70	A	C/170	D D	A	В
N-HEXALDEHYDE	C	В	A	D	В	C	A	- A	A	A	A	- A	- A	D//U	_ A	-	-	_ A	-
N-HEXENE-1	C	А	В	A	D	A	A	-	- A	A	- A	-		-	-	-	-		-
HONEY	A	- A	A	A	-	A	- A	-	A	A	A	- A	-	A/70	A	A	В В	 A	A
HYDRAULIC OILS (PETROLEUM)	D	A	В	A	C	A	A	-	A	A	A	A	A/100	A/70	A	D	C	- A	A
HYDRAULIC OILS (SYNTHETIC)	D	-	_ D	C	-	A	-	-	A	A	A	A	A/100	A/70	A	D	A	-	A
HYDRAZINE	A	D	В	В	A	A	A	D	- A	C	A	- A	A) 100	_ A	В	A/70	- A	A/120	- A
HYDROBROMIC ACID	В	D	D	D	A	A	A	-	D	D	D	D	A		D	В В	B/70	Ay 120	A
HYDROCHLORIC ACID (20%)	А	В	D	С	A	A	A	В	D	D	D	D	A/200	D	D	A	A/120	A	A
HYDROCHLORIC ACID (37%) (HOT)	C	С	D	D	C	A	A	D	D	D	D	D	-	D	D	-	B/120	A	-
HYDROCHLORIC ACID (37%) (COLD)	В	С	D	C	В	A	A	D	D	D	D	D	_	D	D	Α	B/120	A	-
HYDROCYANIC ACID	В	С	В	C	В	A	A	С	A	D	A	D	А	-	D	A	A/120	A	В
HYDROFLUORIC ACID (20%)*	C	-	C	D	-	A	A	D	D	D	D	D	A/250	D	D	A*	A/120	A	В
HYDROFLUORIC ACID (50%)*	D	D	C	D	А	A	A	D	D	D	D	D	A/250	D	D	B/72*	A/70	A	В
HYDROFLUORIC ACID (75%)*	D	-	D	D	C	Α	A	D	D	D	D	D	-	D	D	B/72*	C/70	A	C
HYDROFLUORIC ACID (CONC-) (HOT)	D	D	D	D	-	В	A	D	D	D	D	D	_	D	D	D D	D D	A	-
HYDROFLUORIC ACID (CONC-) (COLD)	D	D	В	D	-	A	A	D	D	D	D	D	_	D	D	D	D	A	١.
HYDROFLUOSILICIC ACID (20%)	В	В	В	В	В	A	A	_	D	D	D	В	-	D	-	A	B/120	A	A
HYDROGEN GAS	Α	Α	A	A	В	Α	Α	Α	Α	A	Α	Α	А	B/120	-	А	A/120	A	Α
HYDROGEN PEROXIDE	Α	С	D	В	С	А	Α	-	Α	D	А	А	A/150	D	D	A/70	C/120	A/70	Α
HYDROGEN SULFIDE (WET) (COLD)	Α	В	В	С	А	А	А	Α	D	D	А	Α	-	С	D	Α	A	A	-
HYDROGEN SULFIDE (WET) (HOT)	Α	-	С	D	Α	В	А	Α	D	D	А	Α	-	D	D	Α	А	А	-
HYDROGEN SULFIDE AQUEOUS SOLUTION	Α	-	В	С	Α	D	Α	-	D	D	Α	Α	A/150	-	С	Α	А	А	В
HYDROQUINONE	Α	-	D	С	-	С	Α	-	Α	В	В	В	A/250	-	Α	Α	Α	А	В
HYDROXYACETIC ACID (70%)	Α	-	Α	Α	-	Α	Α	-	D	В	-	-	-	-	С	-	-	-	D
HYPOCHLOROUS ACID	Α	-	D	D	В	Α	Α	-	D	D	D	-	А	-	D	А	-	А	-
INK	Α	-	-	Α	-	Α	-	-	С	D	Α	-	-	С	А	-	-	А	С
IODINE (IN ALCOHOL)	Α	D	D	В	D	Α	Α	-	D	D	D	В	A/150	С	Α	A/70	В	A/150	Α
IODINE PENTAFLUORIDE	В	D	D	D	D	D	Α	-	-	-	-	-	-	-	-	-	-	-	_
IODOFORM	В	-	-	D	Α	-	А	-	В	А	В	D	-	-	-	-	-	А	А
ISOOCTANE	С	В	В	Α	D	Α	Α	Α	Α	-	-	-	A/73	B/70	-	Α	В	-	А
ISOTANE	D	-	-	Α	-	Α	-	-	Α	-	-	-	-	D	-	B/72	-	А	Α
ISOPHORONE	В	В	D	D	С	D	Α	-	Α	В	Α	-	-	-	-	-	-	-	-
ISOPROPYL ACETATE	В	Α	D	D	В	D	Α	-	С	-	В	В	-	B/70	Α	-	B/70	-	D
ISOPROPYL CHLORIDE	С	D	D	D	D	В	Α	-	D	Α	Α	-	-	-	Α	D	-	-	-
ISOPROPYL ETHER	С	В	D	В	D	D	Α	-	А	-	Α	Α	A/73	A/70	Α	B/72	В	-	В
JET FUEL (JP3, JP4, JP5)	С	С	D	Α	D	Α	Α	Α	Α	Α	Α	Α	А	A/70	Α	D	D	А	С
KEROSENE	С	С	В	A	D	A	Α	В	A	Α	Α	В	А	А	Α	B/72	C/70	Α	A
KETONES	С	A	D	D	В	D	Α	В	В	-	Α	A	A/200	A/120	Α	D	C/70	A/70	D
LACQUERS	C	D	D	D	D	D	A	-	Α	C	Α	Α	A/70	A/70	Α	C	A	D	D
LACQUER SOLVENTS	C	D	D	D	D	D	A	В	Α	В	Α	-	A/70	A/70	Α	С	A	D	D
LACTIC ACID	A	-	C	В	В	Α	A	В	С	D	A	В	A/300	C	A	Α	A/70	A/70	В
LARD	В	Α	В	A	С	Α	A	Α	Α	Α	A	Α	А	A/70	A	A	A	А	Α
LATEX - WATER BASE	Α	-	В	A	-	Α	A	-	Α	-	Α	-	-	A/70	Α	Α	-	-	-
LAVENDER OIL	В	D	С	В	C	В	A	-	-	-	-	-	-	-	-	-	-	-	-
LEAD ACETATE	A	D	В	В	A	D	A	-	D	Α	В	В	А	B/70	В	A	A/120	A	В
LEAD SULFAMATE	Α	-	Α	В	Α	Α	Α	-	С	-	-	-	-	B/70	Α	Α	A/70	А	В

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CHEMICALS			EI	AST	OMEI	RS					META	ALS				PLAS	TICS		
															CFA)				
	WIL-FLEX TM	POLYURETHANE	NEOPRENE	BUNA-N	DEL	IN®	TEFLON®	SANIFLEX [™] TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)) y C	HALAR® ECTFE COATED	NO	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	ш	
	MIL	POLY	NEO	BUN	NORDEL	VITON®	臣	SAN	ALUI	CAS	STAI	ALLOY	HAL	NATON	CAR	POLY	POLY	PVDF	PVC
LIGROIN	В	В	В	Α	D	Α	Α	-	D	-	А	-	-	D	В	B/175	А	А	-
LIME	Α	-	В	Α	Α	Α	Α	-	С	Α	Α	-	-	B/70	В	-	А	А	В
LIME BLEACH	Α	-	В	Α	Α	Α	Α	-	D	-	Α	-	-	-	-	В	-	-	-
LIME SULFUR	В	-	Α	D	С	Α	Α	-	-	-	Α	-	A/150	B/70	-	А	-	-	-
LINDOL	Α	С	С	D	Α	В	Α	-	-	-	-	-	-	-	-	-	-	-	-
LINOLEIC ACID	В	-	D	В	D	Α	A	-	Α	D	Α	-	-	-	-	A/70	A	А	Α
LIQUEFIED PETROLEUM GAS	C	A	В	A	D	Α	A	-	-	-	-	Α	-	-	A	D	-	-	-
LUBRICATING OUS (PETPOLEUM)	В	В	В	Α	D	Α	A	-	A	Α	Α	-	-	A/70	Α	В	D	A	В
LUBRICATING OILS (PETROLEUM) LYE	D	B C	B B	C	D B	A	Α	A -	A -	- A	Α	-	A -	A/70	A -	B A	-	A /150	- В
MAGNESIUM CARBONATE	A	-	A	A	C	B -	A	-	- D	-	A	- В	- A	A/70 -	- A	A	- В	A/150 A	В
MAGNESIUM CHLORIDE	A	A	A	A	A	- A	A	D	D	D	D	A	A	A/70	A	A	A/70	A	В
MAGNESIUM HYDROXIDE	A	A	В	В	A	A	A	D	D	В	А	A	A	B/70	A	A	A/120	A	A
MAGNESIUM NITRATE	A	-	A	A	A	-	A	D	D	D	A	A	A	A/70	A	A	A/120	A	A
MAGNESIUM OXIDE	A	-	A	A	-	-	Α	D	В	A	Α	-	-	-	A	-	-	-	-
MAGNESIUM SULFATE	A	-	Α	A	А	Α	A	D	D	C	Α	В	А	A/70	Α	В	A/120	А	Α
MALEIC ACID	Α	-	D	D	С	Α	Α	-	В	А	А	В	A/250	B/70	Α	А	B/120	А	Α
MALEIC ANHYDRIDE	Α	-	D	D	С	Α	Α	-	Α	-	-	Α	-	-	А	-	D	А	-
MALIC ACID	Α	-	С	В	D	Α	Α	-	В	D	Α	В	A/250	C/70	Α	В	B/120	Α	Α
MASH	Α	-	Α	Α	-	-	-	-	Α	-	Α	-	-	Α	Α	-	Α	-	-
MAYONNAISE	Α	-	-	Α	-	Α	-	Α	D	D	Α	Α	-	Α	Α	Α	D	А	D
MELAMINE	В	-	-	С	-	-	-	-	-	D	D	-	-	А	Α	-	-	-	D
MERCURIC CHLORIDE (DILUTE SOLUTION)	Α	-	Α	Α	Α	Α	Α	В	D	D	D	В	A/250	D	В	А	Α	А	Α
MERCURIC CYANIDE	Α	-	Α	Α	Α	-	Α	-	D	С	Α	Α	A/250	А	-	Α	A	A	Α
MERCURY	A	A	A	A	A	Α	A	Α	С	A	A	Α	Α	A/120	Α	А	А	A	Α
MESITYL OXIDE	C	D	D	D	В	D	A	-	A	А	A	-	- A /OFO	A /100	-	- D	-	-	- D
METHANE	C	B D	B A	A	D B	A C	A	-	A B	- A	Α	A	A/250	A/120 B/70	A	B A/120	- A /70	A	B A
METHANOL (SEE ALCOHOL METHYL) METHYL ACETATE	A B	D	В	D	А	D	A	_	A	A	A	A	A/70 -	A/120	A	Ay 120	A/70 B/70	A B	D
METHYL ACRYLATE	В	-	В	D	В	D	A	-	-	A	-	_	-	- Ay 120	A	-	-	В	-
METHYL ACETONE	В	-	D	D	-	-	A	-	Α	A	Α	-	_	А	A	D	-	D	D
METHYL BROMIDE	D	-	D	В	Α	Α	A	-	D	A	-	-	А	C	A	D	C/70	A	D
METHYL BUTYL KETONE	С	D	D	D	В	D	Α	-	Α	-	А	-	-	D	Α	D	-	D	Α
METHYL CELLOSOLVE	В	D	D	D	В	D	Α	-	Α	С	-	-	А	С	Α	В	-	А	D
METHYL CHLORIDE	D	D	D	D	С	Α	Α	-	D	D	Α	В	А	С	Α	D	C/70	А	D
METHYL CYCLOPENTANE	С	D	С	В	D	Α	Α	-	-	-	-	-	-	-	Α	-	-	-	-
METHYL DICHLORIDE	D	D	D	D	-	Α	-	-	D	-	-	-	-	С	Α	D	-	D	Α
METHYL ETHYL KETONE	В	D	D	D	Α	D	Α	В	Α	Α	Α	Α	A/150	A/70	Α	С	B/120	D	D
METHYL FORMATE	В	D	В	D	Α	D	Α	-	Α	В	В	-	-	-	Α	-	-	-	ļ -
METHYL ISOBUTYL KETONE	C	D	D	D	В	D	Α	-	В	С	Α	Α	A/150	A/70	Α	B/72	С	D	D
METHYL ISOPROPYL KETONE	C	-	D	D	C	D	A	-	Α	C	Α	-	-	D	A	C	D	-	D
METHYL METHACRYLATE	В	-	D	D	C	D	A	-	-	С	-	-	A/73	-	A	А	-	В	А
METHYL OLEATE	C	-	D	D	C	В	A	-	-	-	-	-	-	-	A	-	-	-	-
METHYL SALICYLATE	В	-	D B	D	C B	B B	A	-	A -	A	-	-	-	-	A	B -	-	В	-
METHYLACRYLIC ACID METHYLAMINE	A	-	- B	- В	A	- B	A	-	-	- A	- A	-	-	-	A	-	- A/70	C	D
METHYLAMINE METHYLENE CHLORIDE	D	D	 D	D	C	- В	A	D D	D	В	A	- A	A/73	_	A	D D	Ay 70	D	D
MILK	A	-	A	A	A	A	A	-	A	D	A	A	A/250	A/120	A	A	A	A	A
MOLASSES	A	D	A	A	A	A	A	-	A	A	A	A	A/250 A/150	A/70	A	A	A	A	A
MONOCHLOROBENZENE	C	D	D	D	D	A	A	-	D	A	A	- A	A/100	B/70	A	D	- A	A/150	-
MONOMETHYL ANILINE	В	-	D	D	D	C	A	-	-	-	-	-	-	-	В	С	-	-	-
MONOETHANOLAMINE	A	С	C	В	В	С	Α	-	В	Α	Α		-	А	D	D	С	D	D
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Ratings: A: Minor effect: B: Minor to moderate effect: C: Moderate to severe effect: D: Not recommended: —: Insufficient information.

CHEMICALS			E	AST	OME	RS					MET	ALS_				PLAS	TICS		
0112111107123															~				
	WIL-FLEX TM	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX™ TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NATON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
MONOMETHYLETHER	C	-	В	A	A	A	A		-	-	-	-			-	-	-	-	-
MONOVINYL ACETYLENE	C	-	В	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-
MUSTARD	A	-	C	В	-	A	-	-	В	С	А	Α	_	A/70	В	А	А	А	-
NAPTHA	С	С	D	В	D	Α	Α	Α	Α	В	Α	В	А	A/70	Α	С	A/70	А	А
NAPTHALENE	С	В	D	D	D	Α	Α	В	В	В	В	Α	A/150	A/70	А	A/70	С	А	D
NAPTHENIC ACID	В	-	-	В	D	Α	Α	-	В	В	Α	Α	-	-	А	-	-	-	-
NATURAL GAS	С	В	Α	Α	С	Α	Α	-	Α	Α	Α	-	A/150	-	Α	А	Α	-	Α
NEATSFOOT OIL	В	-	-	Α	В	Α	Α	-	Α	Α	Α	-	-	-	В	-	-	-	-
NEVILLE ACID	Α	-	С	С	В	Α	Α	-	-	-	-	-	-	-	-	-	-	-	-
NICKEL ACETATE	Α	-	В	В	Α	Α	Α	-	D	-	-	-	A/73	-	-	-	-	-	-
NICKEL CHLORIDE	Α	-	Α	Α	Α	Α	Α	-	D	D	Α	-	Α	С	Α	Α	Α	А	Α
NICKEL SULFATE	Α	Α	Α	Α	Α	Α	Α	-	D	D	Α	В	Α	A/70	А	А	А	А	Α
NITER CAKE	A	-	A	A	A	Α	A	-	-	-	-	-	-	-	-	-	-	-	-
NITRIC ACID (5-10% SOLUTION)	A	С	D	D	В	Α	A	В	D	D	A	Α	А	C	C	A/120	В	A/120	Α
NITRIC ACID (20% SOLUTION)	В	C	D	D	В	Α	A	D	D	D	A	A	- 450	D	C	B/70	C	A	A
NITRIC ACID (50% SOLUTION)	C	С	D	D	D	A	A	D	C	D	A	A	A/150	D	C	B/70	B/70	A // 25	В
NITRIC ACID (CONCENTRATED SOLUTION) NITRIC ACID - RED FUMING	C	D D	D D	D D	D D	A B	A	D D	A/120	D D	A	B -	A/150	D D	C	D D	C/70 -	A/125 D	B -
NITROBENZENE	В	-	D	D	С	В	A	D	A/B C	С	A B	В	A/150	B/70	В	B/72	C/70	A/70	D
NITROBENZINE	В	_	D	-	C	А	A	-	-	-	-	_	A) 130	D/70	В	-	-	A	-
NITRO ETHANE	A	-	C	D	В	C	A	-	Α	Α	А	-	_	_	В	С	-	-	١.
NITROMETHANE	A	-	C	D	A	C	A	-	A	A	A	Α	A/200	B/70	В	C	А	A/120	В
NITROGEN (GAS)	A	Α	A	A	A	Ā	A	-	A	A	Α	Α	Α	-	A	A	-	A	-
NITROGEN TETROXIDE	D	-	D	D	С	С	Α	-	D	D	-	-	-	-	-	D	-	С	-
OCTADECANE	В	Α	В	Α	D	Α	Α	-	-	-	-	-	-	-	-	-	-	-	-
N-OCTANE	В	-	-	Α	D	Α	Α	-	-	-	-	-	-	-	-	D	-	А	-
OCTACHLOROTOLUENE	D	D	D	D	D	Α	Α	-	D	-	-	-	-	-	-	D	-	-	-
OILS																			
ANILINE	В	С	D	D	В	Α	Α	-	С	Α	Α	В	-	А	D	А	-	A/70	D
ANISE	С	-	D	-	-	-	Α	-	-	Α	Α	-	-	-	D	-	-	-	-
BAY	C	-	D	-	-	Α	-	-	-	Α	Α	-		-	D	-	-	А	-
BONE	C	-	D	Α	-	Α	Α	-	-	Α	Α	-	-	-	D	-	-	Α	-
CASTOR	В	Α	Α	Α	В	Α	Α	В	Α	Α	A	-	-	А	Α	-	-	А	A
CINNAMON	C	-	D	-	-	-	-	-	-	-	A	-	-	-	D	-	D	-	D
CLOVE	C	-	D -	A	B -	- -	- -	-	A B	D -	A	A	A	-	A B	A B	- A	_ A	B -
COCONUT	В	A	A	A	- A	- A	A	-	В	A	A	A		-	А	A	- A	A	A
COD LIVER	С	A	В	A	A	A	A	-	В	- A	A	A		-	A	A	- A	A	A
CORN	В	A	D	A	A	A	A	-	В	A	A	A	A		A	A	A	A	В
COTTON SEED	В	A	D	A	A	A	A	А	В	A	A	A	-	A	A	A	A	A	В
CREOSOTE	В	-	В	A	D	A	A	-	A	-	Α	В	_	D	В	D	C	-	С
DIESEL FUEL (20, 30, 40, 50)	C	-	D	Α	-	Α	-	А	Α	Α	Α	В	-	A	A	B/70	A	А	В
FUEL (1, 2, 3, 5A, 5B, 6)	C	-	D	В	D	А	А	-	Α	Α	А	Α	-	A/70	А	B/70	В	А	А
GINGER	С	-	Α	Α	-	Α	-	-	-	-	Α	-	-	-	А	-	-	А	-
HYDRAULIC (SEE HYDRAULIC)																			-
LEMON	С	-	D	-	-	Α	-	-	Α	-	Α	-	-	-	Α	D	-	А	-
LINSEED	В	В	D	Α	В	Α	Α	D	Α	Α	Α	В	-	A/70	Α	Α	Α	А	Α
MINERAL	С	Α	В	А	D	Α	Α	-	Α	Α	А	Α	-	А	А	В	B/70	А	В
OLIVE	В	Α	В	А	Α	Α	Α	-	Α	Α	Α	Α	-	A/70	Α	А	A/70	-	С
ORANGE	С	-	D	Α	-	Α	-	-	Α	-	Α	Α	-	-	А	А	C/70	А	С
PALM	В	-	D	Α	-	Α	Α	-	Α	Α	Α	-	-	-	Α	-	Α	Α	Α
PEANUT	В	В	D	Α	С	Α	Α	-	Α	Α	Α	-	-	-	Α	B/175	A	А	А

Ratings: A: Minor effect; B: Minor to moderate effect; C: Moderate to severe effect; D: Not recommended; —: Insufficient information.

CHEMICALS ELASTOMERS METALS			PLAS	STICS		
		2				
WIL-FLEX™ POLYURETHANE NEOPRENE BUNA-N NORDEL VITON® TEFLON® SANIFLEX™ TPE ALUMINUM CAST IRON STAINLESS STEEL (316) ALLOY C HALAR® ECTFE COATED	NYLON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
	+ -	_				-
PEPPERMINT	- I	A	B/175	- n	A	- D
PINE	A _	A	-	D D	A	-
ROSIN A A - A A A A	A/70	A	A	B/120	A	C
SESAME SEED B - D A - A A A -		A	-	-	A	A
SILICONE C A A A A A A A A A A A A A A A A A A	A/70	A	А	A	A	A
SOYBEAN B B D A B A A D A A A A -	B/70	A	Α	A/70	Α	Α
SPERM B - D A - - A A - -	-	A	-	-	A	-
TANNING B - D A - A A	-	А	-	-	А	-
TURBINE C - D A D A A - A A A	-	А	B/70	С	А	Α
OLEIC ACID B B D B B B A A B C A A A/250	B/120	Α	В	C/120	Α	С
OLEUM D D D C D A A D D D A D A/33	D	D	D	D	D	D
OLEUM SPIRITS D C D C C A A D D D B - -	-	-	D	D	D	-
O-DICHLOROBENZENE D D D D A A - D A A - - - -	-	А	D	-	-	-
OXALIC ACID (COLD) A - B B A A - C D A B A/150	B/120	В	A/70	A/120	A/120	В
OXGEN - COLD A A A C B A A - A A - A	B/70	С	С	-	А	-
OXYGEN - 200°-400°F	D	D	D	-	Α	-
OZONE	-	D	D	C/70	А	В
PAINT THINNER, DUCO C D C A D B A - A A A	-	Α	D	-	-	-
PALMITIC ACID B A B A B A C C A B A/250	C	A	A	- D	A	В
PARAFFIN	A/70	A	А	В	A	В
PENTANE A D B A D A A - A - C B - PERCHLORIC ACID C D A D B A A - D D D B A/200	A/70 D	A C	- A	D B	A /120	C
PERCHLORIC ACID C D A D B A A - D	D	A	B/72	D	A/120 A	C
PETROLATUM B - B A - A - B - A A - A A A A	D	A	A	В	A	В
PETROLEUM - BELOW 250 B B B A D A A - A A A - A	A	A	A/70	C/70	A/200	-
PETROLEUM - ABOVE 250	D	A	-	C/70	-	١.
PHENOL (CARBOLIC ACID) A C D D C A D B D A A A/150	C	A	С	D	A/70	D
PHENYLBENZENE C D D D A A	-	-	-	-	-	-
PHENYLETHYLETHER C D D D C A	-	- 1	-	-	-	-
PHENYL HYDRAZINE B D D D C A A - - - - A/73	-	-	-	-	D	-
PHORONE B D D C A A - - - - -	- 1	-	-	-	-	-
PHOSPHORIC ACID - 20% A B B C A A A - D D B A -	D	D	A/120	-	А	-
PHOSPHORIC ACID (TO 40% SOLUTION) A B D D B A A - D D A A -	D	D	A/120	B/70	А	-
PHOSPHORIC ACID - 45% B B D B A A - D D B - -	D	D	A/120	-	А	-
PHOSPHORIC ACID (40%-100% SOLUTION) C C D D B A A - D D B A A/250	C	D	A/120	-	Α	В
PHOSPHORIC ACID CRUDE C A D C A A - D D C A -	С	D	A/120	B/70	A	В
PHOSPHOROUS TRICHLORIDE ACID B - D D A A A - D B A A A/250	-	D	D	В	A	-
PHOTOGRAPHIC (DEVELOPER) A - A A - A - C D A A A/150	-	A	А	A	-	Α
PICKLING SOLUTION A C C - C B	-	D	- D/70	- A	- A/70	-
PICRIC ACID B B B B B B B A A - C D D A/73 PINENE C B D B D A A -	C _	D -	B/70 -	_ A	A/70 -	-
PINENE	-	-	-	-	-	-
PLATING SOLUTIONS:	+ -	\vdash	-	-	-	<u>-</u>
ANTIMONY A - A A - D A A A -	D	A/130	А	-	A/70	A
ARSENIC A - A A - C A A A -	_	A/110		-		A
	_	A/100		В	А	A
	A	В	A	-	-	-
		1 1		1		_
BRASS A A - C A A A A/150	A	С	Α	-	Α	A
BRASS A - - A - C A A A A/150 BRONZE A - A A - A - C A A A -	_	C -	A A	-	A	A
BRASS A - - A - C A A A A/150 BRONZE A - A A - A - C A A A CADMIUM A - A A - A A - C - - D A/150	А	_				_

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CHEMICALS		,	EL	AST	OMEI	RS					MET	ALS			,	PLAS	TICS		
															7				
	WIL-FLEX™	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX™ TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NYLON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
INDUA	<u> </u>			_	_	_		_		-	_	-		_	_				_
INDIUM	A	-	-	A	-	Α	-	-	С	-	A	A	-	D	-	A	-	-	A
IRON LEAD	A	-	Α	A	-	Α	A	-	C	-	Α	Α	- A /1EO	D D	-	A	-	A	D
NICKEL	A	-	- A	A	-	A	A	-	С	-	-	-	A/150 A/150	A	-	A A	-	A	A D
SILVER	A	-	A	A	-	A	A	-	C	-	A	-	A/150	A/120	-	A	-	A	A
TIN	A	-	A	A	-	A	A	-	С	-	A	-	A/150	D D	-	A	-	A	A
ZINC	A	-	A	A	-	A	A	_	С	-	A	_	A/150	D	-	A	-	A	D
POLYVINYL ACETATE EMULSION	A	-	В	-	А	-	A	-	-	В	-	_	-	-	А	B/70	-	A	-
POTASH	A	В	В	А	В	А	Α	-	С	В	А	В	А	А	Α	A	A/70	A	Α
POTASSIUM ACETATE	Α	D	В	В	Α	В	А	-	D	Α	В	-	A/70	-	Α	А	-	А	-
POTASSIUM BICARBONATE	Α	-	Α	Α	-	Α	Α	-	С	Α	В	В	-	A/70	Α	Α	Α	А	Α
POTASSIUM BROMIDE	Α	-	Α	Α	Α	Α	Α	-	С	D	Α	Α	А	A/70	Α	Α	Α	Α	Α
POTASSIUM CARBONATE	Α	-	В	Α	Α	Α	Α	-	С	В	Α	В	А	A/70	Α	Α	-	Α	-
POTASSIUM CHLORATE	Α	-	Α	Α	Α	Α	Α	-	В	С	Α	В	-	С	Α	Α	A/70	А	Α
POTASSIUM CHLORIDE	Α	Α	Α	Α	Α	Α	Α	-	В	В	С	В	А	B/70	Α	А	A/70	А	Α
POTASSIUM CHROMATE	Α	-	Α	Α	-	Α	Α	-	Α	Α	В	Α	А	А	D	А	Α	А	А
POTASSIUM CUPRO CYANIDE	Α	Α	Α	Α	Α	Α	Α	-	-	-	-	-	-	-	С	-	-	-	-
POTASSIUM CYANIDE SOLUTIONS	Α	Α	Α	Α	Α	Α	Α	-	D	В	Α	В	Α	A/70	С	А	-	Α	Α
POTASSIUM DICHROMATE	Α	Α	Α	Α	Α	Α	Α	D	Α	В	Α	В	Α	D	D	Α	А	Α	Α
POTASSIUM HYDROXIDE	Α	В	В	В	В	D	Α	D	D	С	Α	В	A/150	С	Α	Α	Α	A/150	Α
POTASSIUM NITRATE	Α	Α	Α	Α	Α	Α	Α	-	В	Α	Α	В	А	B/70	В	Α	Α	Α	Α
POTASSIUM PERMANGANATE	Α	-	Α	Α	Α	Α	Α	-	В	В	В	Α	-	D	С	В	А	А	Α
POTASSIUM SULFATE	A	Α	Α	Α	Α	Α	Α	-	Α	В	В	В	А	A/70	В	А	A/120	А	Α
PRODUCER GAS	C	Α	В	A	C	Α	A	-	-	-	-	-	-	-	Α	-	-	-	-
PROPANE (LIQUIFIED)	C	В	В	A	D	Α	A	-	Α	Α	Α	Α	A	A/70	Α	B/72	C/70	B/200	A
PROPYL AUTRATE	В	D	D	D	C	D	A	-	-	-	-	-	A/120	-	Α	С	-	A/70	-
PROPYL NITRATE	В	-	-	-	В	C	A	-	A	D	-	-	-	-	Α	-	-	-	-
PROPYLENE CLYCOL	В	D	D	D	D	A	A	-	A	A	A	- D	-	-	A	-	- D.770	-	В
PROPYLENE GLYCOL PROPYLENE OXIDE	A	- D	C D	A .	A B	- A	A	-	A B	B B	A	B -	- D	-	D A	A C	B/70	A D	C -
PYRANOL PYRANOL	D	В	D	A	D	A	A	-	- D	_ D	- A	-	-	-	- A	-	-	-	-
PYDRAULS	D	D	D	D	В	A	A	A		-	-	-	A/70	A/70	-			_	
PYRIDINE	C	-	D	D	В	D	A	D	В	А	В	Α	D D	C	В	С	B/70	D	D
PYROGALLIC ACID	A	-	-	-	-	A	-	-	-	D	A	В	A/150	-	D	-	-	A	A
PYROLIGNEOUS ACID	В	-	С	С	В	Α	Α	-	D	C	В	-	A/100	-	-	-	-	-	-
PYRROLE	С	В	D	D	С	С	А	-	-	-	-	-	-	-	-	-	-	-	Ι-
RADIATION	Α	Α	В	В	С	В	А	-	-	-	-	-	-	-	D	-	-	-	-
RED OIL	В	В	С	Α	В	Α	А	-	-	-	-	-	-	-	-	-	-	-	
ROSINS	Α	-	-	Α	-	-	А	-	А	D	Α	-	-	A/70	В	А	B/70	-	С
RUM	Α	D	-	Α	Α	Α	Α	-	-	-	Α	-	-	А	Α	А	-	-	Α
RUST INHIBITORS	В	-	С	Α	-	Α	-	-	-	С	А	-	-	-	Α	А	-	-	-
SALAD DRESSING	Α	-	-	Α	-	Α	-		В	D	Α	-	-	А	Α	А	-	-	-
SAL AMMONIAC	Α	Α	Α	Α	Α	А	Α	-	D	D	Α	-	-	-	-	-	-	-	-
SALT WATER	Α	Α	В	В	Α	Α	Α	Α	D	D	С	-	-	A/120	Α	А	Α	А	А
SEA WATER	Α	Α	В	Α	Α	Α	Α	Α	D	D	С	-	A/250	A/120	Α	Α	A/120	Α	Α
SEWAGE	Α	D	Α	Α	В	Α	Α	-	В	В	Α	-	-	-	Α	Α	-	Α	-
SHELLAC (BLEACHED)	В	-	-	Α	-	-	-	-	Α	Α	Α	-	-	A/70	Α	A	A/70	-	-
SHELLAC (ORANGE)	В	-	-	A	-	-	-	-	Α	Α	Α	-	-	A/70	Α	А	A/70	-	-
SILICATE ESTERS	В	Α	В	A	D	Α	А	-	-	-	-	-	-	-	-	-	-	-	-
SILICONE	В	-	A	A	-	Α	-	-	В	Α	Α	-	-	A/70	Α	А	-	A	Α
SILICONE GREASES	В	Α	А	Α	А	Α	Α	Α	- D	-	- D	-	-	-	A	-	-	-	-
SILVER BROMIDE	A	-	-	-		-	-	-	D	D	В	Α	-	-	Α	-	A	-	-

Ratings: A: Minor effect; B: Minor to moderate effect; C: Moderate to severe effect; D: Not recommended; —: Insufficient information.

STATE NUMBERS STATE NUMBER	CHEMICALS		,	EL	AST	OMEI	RS					META	ALS				PLAS	STICS		
SILVERNITISME																(A)				
SYMPOND 190		VIL-FLEX™	OLYURETHANE	JEOPRENE	IUNA-N	IORDEL	∥TON®	EFLON®	ANIFLEX™ TPE	rluminum	AST IRON	STEEL	יררסא כ	ECTFE	IYLON	ARBON-FILLED ACETAL (CF	OLYPROPYLENE	OLYETHYLENE	VDF	NC NC
SYMPORD. 2000 8 B OL D OL	SILVER NITRATE	-			_	_	-		-	_	-	_	_			_				-
SYONEM PRINTENS A A B B O D D D D B C B B A C B C B C B C B C B C B C B C		_	_	_	_	_	-		-				_			_		_		_
SAPE SCULTIONS		_	_		_	_	_	_	-		-	_	_		_	_				_
SIDILAM ACHINGRAFICE A B B B B B B B B B B B B		_			_	_	-	_	-				_		_	_				_
SDOUM ASIANME			, ·		<u> </u>		-/-						<u> </u>	7 1 100	7,770					+
SEDUM M SILMMATE A - A A A A A A A A A A A A A A A A A A		А	D	В	В	A	D	Α	-	В	В	А	А	А	B/70	А	А	A	A	-
SCOUMM PICAMPROMATE		_		_	_	_	-		-		_		_		_	_		_		+
SOOLM SIGLIATIE		_	-		_	_					_		_		_	_				-
SOOLM PACING P		_				_			-		_		_			_				+
SODUMM GRAPE		_	-		_	_	-	_	\vdash		_		-		_	_		_		+
SODILM CARBONATE		_	-	_	_	_	-	_	-		_	_	-		_	_		_		+
SOULMA CHICAGNTE		_	-	_	_	_	-		-		_		-		_	_		_	_	+
SODIUM CHROMATE	SODIUM CHLORATE	А	-	Α	Α	А	Α	Α	Α	В	-	Α	Α	А	D	Α	А	B/120	А	А
SODIUM CHROMATE		_	А	_	_	_			-		В		-		_	_		_		+
SODIUM HYDROXIDE [20%]	SODIUM CHROMATE	Α	-	Α	Α	-	Α	Α	D	D	В	-	Α	А	D	D	А	-	А	-
SODIUM HYDROXIDE (60% SOLUTION)	SODIUM CYANIDE	Α	-	Α	Α	Α	Α	Α	-	D	В	Α	Α	-	A/70	В	А	A/120	А	Α
SODIUM HYDROXIDE (80% SOLUTION)	SODIUM HYDROXIDE (20%)	Α	В	В	Α	Α	Α	Α	В	D	В	Α	В	-	А	Α	А	D	Α	Α
SCHIMM HYPOCHLORITE (TO 20%)	SODIUM HYDROXIDE (50% SOLUTION)	Α	В	С	D	Α	Α	Α	В	D	С	В	Α	A/250	А	Α	А	D	С	А
SODIUM METAPHOSPHATE	SODIUM HYDROXIDE (80% SOLUTION)	Α	В	С	D	Α	В	Α	-	D	С	D	В	-	С	Α	А	D	С	А
SODIUM METASILICATE	SODIUM HYPOCHLORITE (TO 20%)	Α	D	D	С	С	Α	Α	D	D	D	С	Α	Α	D	D	B/72	А	Α	Α
SODIUM PRIBORATE	SODIUM METAPHOSPHATE	Α	-	В	Α	Α	Α	Α	-	Α	С	Α	-	А	A/70	В	D	A/70	-	Α
SODIUM PERBORATE A A B B B B B B B B	SODIUM METASILICATE	Α	-	Α	Α	-	Α	-	-	В	Α	Α	Α	-	-	D	-	-	-	Α
SODIUM PEROXIDE B B B B B B B B B	SODIUM NITRATE	Α	-	В	С	Α	Α	Α	-	Α	Α	Α	В	А	A/70	Α	А	A/120	А	Α
SODIUM PHOSPHATE	SODIUM PERBORATE	Α	-	В	В	Α	Α	Α	-	В	С	С	В	-	B/70	В	А	A/70	А	Α
SODIUM POLYPHOSPHATE	SODIUM PEROXIDE	В	D	В	С	В	Α	Α	-	D	D	Α	В	А	A/70	С	B/120	А	А	В
MONO, DI, TRIBASIC)	SODIUM PHOSPHATE	Α	Α	В	В	Α	Α	Α	-	D	В	В	-	А	A/70	-	А	-	А	-
SODIUM SILICATE	SODIUM POLYPHOSPHATE																			Α
SODIUM SULFATE	(MONO, DI, TRIBASIC)	Α	Α	D	Α	-	Α	-	-	D	D	Α	Α	-	A/70	В	Α	А	А	<u> </u>
SODIUM SULFIDE		_		_	_	_	Α	Α	-		В	Α	_		A/70	_		_	А	+
SODIUM TETRABORATE		Α	Α	_	Α	_	Α	Α	-		Α	Α	_	А	_	_		_	А	+
SODIUM THIOSULPHATE ("HYPO")		_	Α	_	_	_			-		Α	+	В		_	_		_	А	+
SORGHUM A A B A A A A A B A B A B A A B A A B A A B A A B A A B A A B A A B A A B A A B A A B A A B A A B A A A B B A A A B B A A A A B B A </td <td></td> <td>_</td> <td>-</td> <td></td> <td>_</td> <td>_</td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>+</td>		_	-		_	_			-		-					_				+
SOY SAUCE A B A A B A A B A A B A A B B A A B B A B A B B A B B A B B A B B A B	,	_	Α		_	Α	-	Α	-	В			Α	A		-	А	A/70	A	I A
STANNIC CHLORIDE A B D A B A C D D - A B B A A A C D D - A B B A A10 A A A A C D D D - A B B A A10 A			-			-		-	-	-	_		-	-	- 	_	-	-	-	<u> </u>
STANNIC FLUOBORATE A A A A D D C		_	_	_	_	_	-		\vdash		_		-		_	_				-
STARCH A <td></td> <td>_</td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>_</td> <td></td> <td>·</td> <td></td> <td></td> <td>_</td> <td></td> <td>_</td> <td></td> <td>+</td>		_		_	_	_	-		-		_		·			_		_		+
STEAM TO 200°F A C C C C A D D B A A A D D B D				_	_	_	-	_	\vdash		_	_	_		_	_		_		-
STEAM 220°F-300°F B D D D D A D D C A A A A A A B D D D D D D C A A A A A A B A B B C B A B C B A A C B A A A C A A B		_		_	_	_	-		\vdash		_		_		_	_				+
STEARIC ACID B A B C B C B A C B A C B A C B A C B A C B A C B A C B A C B A C B A A C B A B <t< td=""><td></td><td>_</td><td>_</td><td></td><td>_</td><td>_</td><td></td><td></td><td>-</td><td></td><td>_</td><td></td><td>_</td><td></td><td></td><td>_</td><td></td><td>_</td><td></td><td>-</td></t<>		_	_		_	_			-		_		_			_		_		-
STOODARD SOLVENT C A B B D A A A A A A A A A A A B/12 C/10 A C STYRENE C C C D D D B A D A A A A D A D A		_		_	_	_			-		_	+	_			-				-
STYRENE C C D D D B A D A A D A A D A A D A D A D A A D A </td <td></td> <td>_</td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>_</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>-</td>		_		_	_	_					-		_			_				-
SUCROSE SOLUTION A D A		_	_	_	_	_		_	-	_	_	_	_			_		_	_	_
SUGAR (LIQUIDS) A - B A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A A - A A - A A - A A - A A B B B A A A A A A A A A A A A A A A A A A A B B B A A A C D D B A		_	_	-	_	_	-		-		_		-			_				_
SULFATE LIQUORS A - C -		_		_	_				-		<u> </u>	_	_		_	_				-
SULFITE LIQUORS A - A A B A B A A B B A A B B A A C D B B A C D B B A C D B A C D B A C D B A C D D D D A A C D D D D A A C D		_		_	-	_	-		\vdash		-	_	-		_	_				-
SULFUR A B B B B B A A C D B A A C D B A A C D B B A A C D B B A A C D D D A A A C D D D A A A A C D D D D A <td></td> <td>_</td> <td></td> <td>_</td> <td>Δ</td> <td>_</td> <td></td> <td></td> <td>-</td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>+</td>		_		_	Δ	_			-		_	_	_			_				+
SULFUR CHLORIDE D - D D D D A A C D D D A A D C C/70 A/70 C SULFUR DIOXIDE A - B D A D A D D A B A/150 C D A/70 B/70 A A SULFUR HEXAFLUORIDE B - B B A A A D D A B A/150 C D A/70 B/70 A A		_		_	_	_			-	_	_	_	_			_				-
SULFUR DIOXIDE A - B D A D A D		_			_	_	-		-		_	_	_		_	_		_		-
SULFUR HEXAFLUORIDE B - B B B B A A A A - D D - - - D - B		_		_	_	_			-		_	_	_			_		_	_	+
		_		_	_	_	-		-		_		_			_		_		+
	SULFUR TRIOXIDE	С	В	С	C	C	A	A	-	D	D	В	-	_		-	-	-		A

Ratings: A: Minor effect; B: Minor to moderate effect; C: Moderate to severe effect; D: Not recommended; —: Insufficient information.

CHEMICALS	ELASTOMERS								METALS					PLASTICS					
one.micheo															(F)				
	WIL-FLEX™	POLYURETHANE	NEOPRENE	BUNA-N	NORDEL	VITON®	TEFLON®	SANIFLEX [™] TPE	ALUMINUM	CAST IRON	STAINLESS STEEL (316)	ALLOY C	HALAR® ECTFE COATED	NYLON	CARBON-FILLED ACETAL (CFA)	POLYPROPYLENE	POLYETHYLENE	PVDF	PVC
SULFUR TRIOXIDE (DRY)	С	В	D	D	С	Α	Α	-	Α	Α	С	В	-	A/70	D	D	C/70	D	Α
SULFURIC ACID (DILUTE)	Α	С	С	D	-	Α	Α	Α	D	D	В	-	-	С	D	Α	A/70	А	-
SULFURIC ACID (TO 10%)	Α	D	D	D	Α	Α	Α	Α	D	D	С	Α	A/250	С	D	A/120	A/70	А	Α
SULFURIC ACID (10%-75%)	A	D	D	D	С	Α	Α	В	D	D	С	В	A/150	D	D	A/72	B/70	A/150	Α
SULFURIC ACID (CONCENTRATED TO 98%)	В	D	D	D	С	Α	Α	С	D	D	В	-	A/150	D	D	C/72	B/70	A/120	D
SULFURIC ACID (20% OLEUM)	D	D	D	D	D	В	Α	-	D	D	-	-	-	D	D	D	-	-	-
SULFUROUS ACID	A	D	В	С	-	Α	Α	В	D	D	В	В	A/250	D	D	Α	B/120	А	Α
SYRUP	Α	-	В	Α	-	Α	-	Α	Α	-	Α	-	-	-	Α	Α	-	-	-
TALLOW	В	Α	-	A	A	Α	Α	Α	A	-	Α	-		A/70	A	B/70	C	-	-
TANNIC ACID	A	А	В	A	C	Α	A	Α	С	С	A	В	A/250	C	В	A	A 70	А	A
TANNING LIQUORS	A	-	-	C	-	A	Α	-	С	-	A	Α	A/250	A/70	В	Α	A/70	-	Α
TAR, BITUMINOUS	В	-	С	В	D	Α	A	-	-	В	В	-	A (050	B	В	-	- 4 /70	-	-
TARTARIC ACID TERPINEOL	A	A	B D	A	В	A	A	С	C	C	A	В	A/250	B/70	В	A D	A/70	A D (120	Α
	В	В	_	C	В	A B	Α	-	Α	Α	А	-	-	-	-		-	B/120	-
TERTIARY BUTYL ALCOHOL	B	D	A	A D	A	_	Α	-	-	- D	- D	-	-	-	A	В	-	-	 -
TERTIARY BUTYL CATECHOL TERTIARY BUTYL MERCAPTAN	В	D D	B D	D	B D	A	A	-	C -	B -	B -	-	-	-	A B	-	-	-	-
TETRA BROMOMETHANE	D	-	D	D	D	A	A	-	D	-	-	-	-	-	_ D	_ D	-	-	 -
TETRABUTYL TITANATE	В	-	A	В	В	A	A	-	-	-	-	-	-	-	-	-	-	-	-
TETRACHLOROETHYLENE	D	В	D	D	D	A	A	-	D	A	A	-	A/200	A/70	A	D	В	-	D
TETRACHLOROETHANE	D	-	-	D	D	Α	A	-	D	A	Α	-	- A/ 200	C	A	D	-	-	C
TETRAETHYL LEAD	C	-	D	В	D	A	A	_	-	-	-	-	_	-	-	A/70	_	А	-
TETRAHYDROFURAN	В	С	D	D	C	В	A	В	-	-	А	А	D	А	С	C	C/70	B/70	D
TETRALIN	C	-	D	D	D	A	Α	-	Α	А	Α	-	-	-	-	D	-	-	-
THIONYL CHLORIDE	В	-	D	D	D	Α	Α	-	D	D	-	-	A/150	С	-	D	-	D	-
TITANIUM TETRACHLORIDE	D	D	D	С	D	Α	Α	-	D	Α	В	-	-	A/70	-	D	-	А	-
TOLUENE	С	С	D	С	D	Α	Α	В	Α	А	Α	Α	A/200	A/70	Α	D	C/70	А	-
TOLUENE DIISOCYANATE	В	-	D	-	Α	-	Α	-	-	-	-	-	-	-	С	-	-	-	-
TOLUENE, TOLUOL	С	С	D	D	D	Α	Α	В	Α	Α	Α	-	A/150	A/70	Α	B/175	C/70	А	D
TOMATO JUICE	А	-	Α	Α	-	-	Α	Α	Α	-	Α	-	A/250	А	Α	А	A/70	А	Α
TRANSFORMER OIL	D	D	С	В	D	Α	Α	-	Α	Α	Α	-	A/250	A/70	Α	B/70	-	-	В
TRANSMISSION FLUID TYPE A	C	Α	С	Α	D	Α	Α	-	Α	Α	Α	-	-	-	Α	-	-	-	-
TRIACETIN	A	D	Α	Α	Α	С	Α	-	В	-	-	-	-	-	-	-	-	-	-
TRIBUTOXY ETHYL PHOSPHATE	В	D	D	D	Α	В	Α	-	-	-	-	-	-	-	-	-	-	-	<u> </u>
TRIBUTYL PHOSPHATE	В	D	D	D	C	D	A	-	-	А	-	-	A/73	-	-	A/70	-	A/70	-
TRIBUTYL MERCAPTAN	В	-	D	D	D	Α	A	-	-	-	-	-	- 450	-	-	- D.770	-	-	-
TRICHLOROACETIC ACID	В	D	В	C	В	В	Α	-	D	D	D	В	A/150	D	D	B/70	A	A/70	В
TRICHLORETHANE	D	D D	D D	D	D	Α	Α	- D	D D	B	Α	Α	- Λ	C A 770	Α	D D D D	- D	A/120	C
TRICHLORETHYLENE TRICHLOROPROPANE	D	-	A	D A	- U	A	A	- U	D	A	A	A	A -	A/70 -	A	B/72 D	-	A -	- U
TRICRESYLPHOSPHATE	В	C	D	D	A	В	A	-	D	В	A	A	-	A/120	C	B/70	B/70	-	D
TRIETHYLAMINE	В	-	В	A	- A	А	A	-	-	А	- A	_ A	A/150	A/70	A	C	- D//U	A/120	В
TRIETHANOL AMINE	A	D	В	В	В	В	A	D	В	A	A	-	A/130 A/73	A/70	A	A/70	-	A/70	D
TRIETHYL ALUMINUM	В	-	D	D	-	В	A	-	-	-	-	-		Ay 70	-	- AV 70	-	- AV 70	H
TRIETHYL BORANE	В	-	D	D	-	A	A	-	-	-	-	-	-	-	-	-	-	-	H
TRINITROTOLUENE	A	-	A	D	D	C	A	-	-	-	-	-	_	-	-	_	-	-	H
TRIOCTYL PHOSPHATE	В	-	D	D	A	В	A	-	-	-	-	-	-	-	-	-	-	-	-
TRIARYL PHOSPHATE	В	В	С	D	A	A	Α	-	-	-	-	-	-	-	-	-	-	-	١.
TUNG OIL	В	В	В	A	C	В	Α	С	Α	В	В	-	-	-	-	-	-	-	Ι-
TURPENTINE	C	D	D	A	D	A	Α	-	Α	В	A	В	A/200	A/70	А	B/175	D	А	-
UNLEADED GASOLINE	C	D	D	D	D	А	Α	-	Α	А	А	Α	-	А	А	D	-	С	-
	-							_											

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