



ATLAS 720

With a seamless liner that wicks away moisture, the SHOWA 720 provides comfort while protecting from abrasion and a wide range of chemicals.

CHEMICAL NAME	CASNUMBER	DEGRADATION RATING				BDT	
		5m	30m	60m	240m	TTL	INT
Methane, Sulfinylbis-	67-68-5	E	E	E	E	160	NT
Acetaldehyde	75-07-0	NR	NR	NR	NR	NR	NT
Acetic Aldehyde	75-07-0	NR	NR	NR	NR	NR	NT
Acetone	67-64-1	NR	NR	NR	NR	NR	NT
Acetoxybutane	123-86-4	NR	NR	NR	NR	NR	NT
Aldehyde, Ethyl	75-07-0	NR	NR	NR	NR	NR	NT
Aminobenzene	62-53-3	G	G	G	G	75	NT
Ammonia Solution 29%	1336-21-6	E	E	E	E	>480	>240
Ammonium Hydroxide	1336-21-6	E	E	E	E	>480	>240
Ammonium Hydroxide 29%	1336-21-6	E	E	E	E	>480	>240
Anhydrous Hydrazine	302-01-2	E	E	E	E	314	>240
Aniline	62-53-3	G	G	G	G	75	NT
Benzenamine	62-53-3	G	G	G	G	75	NT
Benzene, Dimethyl	1330-20-7	E	E	NT	NT	NR	NT
Benzenedicarboxylic Acid Dibutyl Ester, 1,2-	84-74-2	E	E	E	E	305	>240
Butanone, 2-	78-93-3	NR	NR	NT	NT	NR	NT
Butyl Acetate	123-86-4	NR	NR	NR	NR	NR	NT
Butyl Acetate 100%	123-86-4	NR	NR	NR	NR	NR	NT
Butyl Ethanoate	123-86-4	NR	NR	NR	NR	NR	NT
Caustic Potash	1310-58-3	E	E	NT	NT	>480	>240
Caustic Soda	1310-73-2	NT	NT	NT	NT	>480	>240

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		5m	30m	60m	240m	TTL	INT
Chloride, Methylene	75-09-2	NR	NR	NT	NT	NR	NT
Cyclohexanol	108-93-0	E	E	E	E	>480	>240
Cyclohexyl Alcohol	108-93-0	E	E	E	E	>480	>240
DIBK	108-83-8	P	P	P	P	47	NT
Dibutyl Phthalate N-	84-74-2	E	E	E	E	305	>240
Dibutyl Phthalate N- (DBP)	84-74-2	E	E	E	E	305	>240
Dichloromethane	75-09-2	NR	NR	NT	NT	NR	NT
Diethyl Ether	60-29-7	NR	NR	NR	NR	NR	NT
Diethylene Oxide	109-99-9	NR	NR	NT	NT	NR	NT
Dihydroxyethane	107-21-1	E	E	E	E	NR	NT
Diisobutyl Ketone	108-83-8	P	P	P	P	47	NT
Dimethyl Benzene	1330-20-7	E	E	NT	NT	NR	NT
Dimethyl Formamide	68-12-2	NR	NR	NR	NR	NR	NT
Dimethyl Ketone	67-64-1	NR	NR	NR	NR	NR	NT
Dimethyl-4-Heptanone, 2,6-	108-83-8	P	P	P	P	47	NT
Dimethylformamide (DMF)	68-12-2	NR	NR	NR	NR	NR	NT
Dimethylsulfoxide (DMSO)	67-68-5	E	E	E	E	160	NT
Dioxane 1,4- 100%	123-91-1	NR	NR	NR	NR	NR	NT
Dry Cleaning Mineral Spirits	8052-41-3	E	E	NT	NT	>480	>240
Dry Cleaning Safety Solvent	8052-41-3	E	E	NT	NT	>480	>240
Ethanal	75-07-0	NR	NR	NR	NR	NR	NT
Ethanediol, 1,2-	107-21-1	E	E	E	E	NR	NT
Ethanol	64-17-5	E	E	G	G	23	NT
Ethyl Acetate	141-78-6	NR	NR	NR	NR	NR	NT
Ethyl Acetate 100%	141-78-6	NR	NR	NR	NR	NR	NT
Ethyl Alcohol	64-17-5	E	E	G	G	23	NT
Ethyl Aldehyde	75-07-0	NR	NR	NR	NR	NR	NT
Ethyl Ether	60-29-7	NR	NR	NR	NR	NR	NT
Ethylene Glycol	107-21-1	E	E	E	E	NR	NT
Ethylene, Trichloride	79-01-6	NR	NR	NT	NT	NR	NT
EtOAc	141-78-6	NR	NR	NR	NR	NR	NT
Fir Oil	8006-64-2	E	E	NT	NT	>480	>240
Formaldehyde	50-00-0	E	E	E	E	>480	>240
Formaldehyde 37%	50-00-0	E	E	E	E	>480	>240
Formalin 37%	50-00-0	E	E	E	E	>480	>240
Formamide, N,N-dimethyl-	68-12-2	NR	NR	NR	NR	NR	NT

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Formic Acid 90%	64-18-6	E	G	G	NR	139	NT
Formic Aldehyde 37%	50-00-0	E	E	E	E	>480	>240
Gasoline (Unleaded)	8006-61-9	E	E	E	G	137	NT
Hexalin	108-93-0	E	E	E	E	>480	>240
Hexane	110-54-3	E	E	E	E	267	>240
HF	7664-39-3	NT	NT	NT	NT	133	NT
Hydrazine Hydrate	302-01-2	E	E	E	E	314	>240
Hydrochloric Acid	7647-01-0	E	E	E	E	>480	>240
Hydrofluoric Acid	7664-39-3	NT	NT	NT	NT	133	NT
IPA	67-63-0	E	E	E	G	130	NT
Isopropanol	67-63-0	E	E	E	G	130	NT
Isopropyl Alcohol	67-63-0	E	E	E	G	130	NT
Isovalerone	108-83-8	P	P	P	P	47	NT
Kerosene	8008-20-6	E	E	E	E	>480	>240
KOH	1310-58-3	E	E	NT	NT	>480	>240
Ligroine	8032-32-4	E	E	E	E	>480	>240
L-Turpentine	8006-64-2	E	E	NT	NT	>480	>240
Methanoic Acid 90%	64-18-6	E	G	G	NR	139	NT
Methanol	67-56-1	E	G	NT	NT	10	NT
Methyl Alcohol	67-56-1	E	G	NT	NT	10	NT
Methyl Benzene	108-88-3	F	P	NT	NT	NR	NT
Methyl Ethyl Ketone (MEK)	78-93-3	NR	NR	NT	NT	NR	NT
Methylene Chloride	75-09-2	NR	NR	NT	NT	NR	NT
Methylene Oxide 37%	50-00-0	E	E	E	E	>480	>240
Mineral Spirits	64475-85-0	E	E	E	E	>480	>240
Monoethylene Glycol	107-21-1	E	E	E	E	NR	NT
NaOH	1310-73-2	NT	NT	NT	NT	>480	>240
Naphtha	8032-32-4	E	E	E	E	>480	>240
Pentane	109-66-0	E	E	NT	NT	195	NT
PERC 100%	127-18-4	F	P	NT	NT	NR	NT
Perchlorethylene 100%	127-18-4	F	P	NT	NT	NR	NT
Petrol	8006-61-9	E	E	E	G	137	NT
Petroleum Ether	8032-32-4	E	E	E	E	>480	>240
Phenyl Methane	108-88-3	F	P	NT	NT	NR	NT
Phenylethanone, 1-	67-64-1	NR	NR	NR	NR	NR	NT
Phosphoric Acid	7664-38-2	E	E	NT	NT	>480	>240

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Phthalic Acid Dibutyl Ester	84-74-2	E	E	E	E	305	>240
Pine Oil	8006-64-2	E	E	NT	NT	>480	>240
Potassium Hydroxide	1310-58-3	E	E	NT	NT	>480	>240
Propanol, 2-	67-63-0	E	E	E	G	130	NT
Propanone, 2-	67-64-1	NR	NR	NR	NR	NR	NT
Sodium Hydroxide	1310-73-2	NT	NT	NT	NT	>480	>240
Stoddard Solvent	8052-41-3	E	E	NT	NT	>480	>240
Sulfoxide, Dimethyl	67-68-5	E	E	E	E	160	NT
Tetrachloroethylene 100%	127-18-4	F	P	NT	NT	NR	NT
Tetrahydrofuran	109-99-9	NR	NR	NT	NT	NR	NT
THF	109-99-9	NR	NR	NT	NT	NR	NT
Toluene	108-88-3	F	P	NT	NT	NR	NT
Toluol	108-88-3	F	P	NT	NT	NR	NT
Trichloroethylene (TCE)	79-01-6	NR	NR	NT	NT	NR	NT
Turpentine	8006-64-2	E	E	NT	NT	>480	>240
Xylene	1330-20-7	E	E	NT	NT	NR	NT

DEG = Degradation; BDT= Breakthrough Detection Time; TTL= Total Immersion; INT= Intermittent Exposure; E = EXCELLENT; G= GOOD; F = FAIR; P = POOR; NR = NOT RECOMMENDED; NT = Not Tested

Chemical permeation testing performed according to American Society of Testing and Materials (ASTM) F739 total immersion and ASTM F1383 intermittent contact methods. Degradation is measured by gravimetric change at 5, 30, 60 and 240 minutes.

Warranty Limitations and Disclaimer Use

This information is provided solely as a convenience to help you evaluate our gloves in the end-user's particular application. It is the responsibility of the purchaser and/or user to determine the level of toxicity of the materials to be handled and to select the proper glove suitable for a particular application. The information provided reflects laboratory performance of gloves under carefully controlled conditions. SHOWA makes no guarantee of results and assumes no obligation or liability in connection with this information.

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