

## CHEMICAL RESISTANCE TABLE AT 23°C

### TABELLA DI RESISTENZA CHIMICA A 23°C

#### Rating:

- B:** Good resistance, no changes in the material properties – *Buona resistenza, nessuna modifica delle proprietà dei materiali.*
- O:** Limited resistance, suitability conditioned to testing in the specific application – *Resistenza limitata, idoneità condizionata a test specifici nell'applicazione reale.*
- N:** Poor resistance, not recommended – *Resistenza pessima, utilizzo non raccomandato.*
- G:** Swelling action – *Azione gonfiante.*

HIGH PRESSURE HOSE: INNER CORE MATERIAL		
<i>Tubi alta pressione: materiale anima interna</i>		
Type <i>Tipo</i>	Material <i>Materiale</i>	Hose series <i>Serie tubo</i>
<b>PA</b>	Polyamide	VE5 - VE5P - VE5-PA - VE7 - VE7P - VE7S - VE7M - VE8 - VE8M - AS7 - AS8 - AS8M - MT1 - MT1PA - MT1S - MT2 - MTK - MTKM - JACK HOSE - JET POWER - HOG - CNG
<b>HTR</b>	Polyester	OL5 - OL5S - OL7 - OL7F - OL7P - OL7PL ProLifTech - OL7S - OL7M - OL7MP - OL7GSR - OL8 - OL8S - OL8M - Pilot - MTH1 - MTH1P - MTH1FL - MTH2 - MTKH - MARINE STEERING - AT7 - AT8 - AT8S - MTHAT1 - MTHAT2 - CO2 - CO2M - JCL
<b>PU</b>	Polyurethane	JC7 Pro - JC8 Pro - OL5FL FlexFlow
<b>PE</b>	Polyethylene	JC5 - JC7 - JC8 - MT1E - JET WASH - AT7PE
<b>PTFE</b>	PTFE	MT1HT-PTFE - PTFEIP - PTFEIM - PTFEIG - PTFEIC - PTFEIT

HIGH PRESSURE HOSE: COVER MATERIAL		
<i>Tubi alta pressione: materiale rivestimento esterno</i>		
Type <i>Tipo</i>	Material <i>Materiale</i>	Hose series <i>Serie tubo</i>
<b>PU</b>	Polyurethane	All hose series except MT1PA and PTFE Inox AISI 304 hoses
<b>PA</b>	Polyamide	MT1PA - VE5P-PA

The purpose of this chemical resistance table is to provide a useful guideline in the selection of the right hose/tube for each application. The data provided are based on our internal laboratory test, literature data and information coming from our raw materials suppliers.

The information in the table are provided in good faith and are offered without any warranty on the correct behaviour of the product under all conditions of practical use.

The following aspect should be take into consideration:

- Unless otherwise specified the contact is at ambient temperature (23°C, 73°F). Higher service temperature could be considerably reduce the chemical rating of the materials.
- The use of some fluids, in particular if classified as dangerous or explosives, could be subjected to specific regulations. In these cases, in addition to checking the compatibility, please contact our Technical Service.
- The chemical compatibility with foodstuff does not imply the compliance with Food Regulations or the suitability in food application. The declaration of conformity to FDA and to the others food Regulation are available upon request.
- For high pressure gases it is recommended the use of a pin pricked cover. Chemical compatibility do not imply low permeation. Contact the Technical Service for information regarding permeability.
- The hoses are not suitable for medical and aeronautical on board applications.

*Lo scopo di questa tabella di resistenza chimica è fornire un utile strumento per la selezione del tubo corretto per le diverse applicazioni. I dati forniti provengono da prove interne di laboratorio, dati di letteratura e informazioni provenienti dai nostri fornitori.*

*Le informazioni contenute nella tabella sono fornite in buona fede e non forniscono nessuna garanzia implicita del corretto funzionamento del prodotto in ogni condizione di uso possibile.*

*I seguenti aspetti sono da tenere in considerazione:*

- *Se non diversamente specificato, il contatto è da intendersi a temperatura ambiente (23°C, 73°F). Temperature di servizio più elevate possono ridurre anche considerevolmente la tenuta chimica del materiale.*
- *L'utilizzo di alcuni fluidi, in particolare se catalogati come pericolosi o esplosivi, può essere vincolata a specifiche normative. In questi casi, oltre alla verifica della compatibilità, si prega di consultare il nostro servizio tecnico.*
- *La compatibilità chimica con i prodotti alimentari non implica la conformità con le normative alimentari o l'idoneità al passaggio di alimenti. Le dichiarazioni di conformità alla normativa FDA e alle altre normative alimentari sono fornite su richiesta.*
- *Con gas ad alta pressione si consiglia sempre l'utilizzo di ricopertura microforata. La compatibilità chimica non garantisce una bassa permeazione. Per informazioni relative alla permeabilità rivolgersi al servizio tecnico.*
- *I tubi elencati non sono approvati per applicazioni medicali o impieghi aeronautici a bordo veicolo.*

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
<b>A</b>								
Acetaldehyde	Acetaldeide	CH <sub>3</sub> CHO	75-07-0	BG	-	-	B	B
Acetic Acid 5%	Acido Acetico 5%	CH <sub>3</sub> COOH	64-19-7	B	B	O	B	B
Acetic Acid 30%	Acido Acetico 30%	CH <sub>3</sub> COOH	64-19-7	-	B	-	-	B
Acetic Acid 100%	Acido Acetico 100%	CH <sub>3</sub> COOH	64-19-7	-	B	-	-	B
Acetic Acid 100% (38°C)	Acido Acetico 100% (38°C)	CH <sub>3</sub> COOH	64-19-7	-	O	-	-	B
Acetic Anhydride	Anidride Acetica	C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	108-24-7	O	O	-	-	B
Acetone (23°C)	Acetone (23°C)	C <sub>3</sub> H <sub>6</sub> O	67-64-1	B	O	N	O	B
Acetylene	Acetilene	C <sub>2</sub> H <sub>2</sub>	74-86-2	B	B	-	-	B
Adblue	Adblue			B	-	N	-	B
AeroShell Fluid 31	AeroShell Fluid 31			B	B	-	-	-
AeroShell Fluid 41	AeroShell Fluid 41			B	B	-	-	-
AGIP OSO hydraulic oil	AGIP OSO olio idraulico			B	-	-	-	B
Aluminium	Alluminio	Al		-	-	-	B	-
Aluminium Chloride	Cloruro d'Alluminio	AlCl <sub>3</sub>	7446-70-0	-	-	-	B	B
Aluminium Polychloride	Policloruro di Alluminio			-	-	-	-	B
Aluminium Sulphate	Solfato d'Alluminio	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>		B	-	B	-	B
Alum	Allume			B	-	-	B	-
Amine	Ammine			-	-	N	-	-
Ammonia solution max 10%	Ammoniaca soluzione max 10%	NH <sub>3</sub>	7664-41-7	B	N	N	B	B
Ammonia gas (anhydrous)	Ammoniaca gas (anidra)	NH <sub>3</sub>	7664-41-7	B	N	N	B	B
Ammonia gas (liquid)	Ammoniaca gas (liquida)	NH <sub>3</sub>	7664-41-7	B	N	N	B	B
Ammonium Acetate	Acetato di Ammonio	CH <sub>3</sub> COONH <sub>4</sub>	631-61-8	B	-	-	-	-
Ammonium Carbonate	Carbonato Ammonio	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	506-87-6	B	-	-	-	-
Ammonium Chloride	Cloruro d'ammonio	NH <sub>4</sub> Cl	12125-02-9	O	B	-	-	B
Ammonium Hydroxide 10%	Idrossido Ammonio 10%	NH <sub>4</sub> OH	1336-21-6	-	-	O	-	B
Ammonium Nitrate	Nitrato d'Ammonio	NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	B	-	B	-	B
Ammonium Phosphate	Fosfato d'ammonio	(NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub>	10361-65-6	B	-	-	-	B
Ammonium Sulphate	Solfato d'Ammonio	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	7783-20-2	B	O	B	-	B
Ammonium Sulphide	Solfuro d'Ammonio			-	-	-	B	-
Amyl Acetate	Acetato Amile	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	628-63-7	B	O	-	-	B
Amyl Acetate Pure	Amilacetato Puro			-	-	-	N	-
Amyl Acid	Grasso Amilico			B	-	-	-	-
Amyl Alcohol	Alcool Amilico	C <sub>5</sub> H <sub>11</sub> OH		BG	B	O	-	-
Anhydrous Liquid Ammonia	Ammoniaca Liquida Anidra			B	-	-	-	B
Aniline	Anilina			OG	N	N	-	B
Animale Fat	Grasso Animale			B	-	B	B	B
Ansulite 6% AFFF (+60°C)	Ansulite 6% AFFF (+60°C)			B	-	-	-	-
Anti Freeze	Antigelo			B	-	O	-	-
Antimoni Pentachloride	Pentacloruro d'Antimonio			N	-	-	-	-
Aqua Regia	Acqua Regia	HNO <sub>3</sub> + 3 HCl		N	-	-	N	B
Aqueous Aluminium Salt	Sali d'Alluminio Acquoso			B	-	-	-	-
Aral Vitamol ZH-M	Aral Vitamol ZH-M			B	B	-	-	-
Arcopal	Arcopal			-	-	-	B	-
Argon	Argon	Ar	7440-37-1	B	B	B	B	B
Aromatic Hydrocarbons	Idrocarburi Aromatici			B	-	N	N	B
Arsine	Arsina	AsH <sub>3</sub>	7784-42-1	B	-	-	-	B
ASTM Fuel + Methanol 85/15	Carb. ASTM C + Metanolo 85/15			-	-	O	-	-
ASTM Fuel ABCD DIN 51604	Carburante ASTM ABCD DIN 51604			-	B	N	-	-
ASTM Oil n°1, n°2, n°3	Olio ASTM n°1, n°2, n°3			-	B	B	N	-
ATF Dexron III	ATF Dexron III			O	B	N	-	B
Atrazine	Atrazina	C <sub>6</sub> H <sub>14</sub> ClN <sub>5</sub>	1912-24-9	-	B	-	-	-
<b>B</b>								
Barium Chloride	Cloruro di Bario	BaCl <sub>2</sub>	10361-37-2	B	-	-	-	B
Barium Salts	Sali di Bario			B	-	-	-	-
Bayer 28HB88	Bayer 28HB88			B	N	-	-	-

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Bayer 30HB05	Bayer 30HB05			B	N	-	-	-
Beer	Birra			-	B	-	B	B
Benzaldehyde	Benzaldeide	C <sub>6</sub> H <sub>5</sub> CHO	100-52-7	B	-	-	-	-
Benzene	Benzene	C <sub>6</sub> H <sub>6</sub>	71-43-2	B	O	O	N	B
Benzene Chlorine	Cloro Benzene			O	N	-	-	B
Benzoic Acid	Acido Benzoico	C <sub>6</sub> H <sub>5</sub> COOH	65-85-0	B	-	-	-	B
Benzol	Benzolo			B	O	O	-	-
Benzoyl Peroxide	Perossido di Benzoile		94-36-0	-	-	-	-	B
Benzyl Alcohol	Alcool Benzilico	C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> OH	100-51-6	O	-	N	-	B
Biodiesel	Bio Diesel			B	O	-	-	-
Bitumen	Bitume			B	O	-	-	-
Boric Acid	Acido Borico	H <sub>3</sub> BO <sub>3</sub>	10043-35-3	B	B	O	B	B
Boron	Boro	Br		B	-	-	-	B
Boron Trichloride	Tricloruro di boro	BCl <sub>3</sub>	10294-34-5	N	-	-	-	B
Boron Trifluoride	Trifluoruro di boro	BF <sub>3</sub>	7637-07-2	N	-	-	-	B
Brake fluids DOT 3	Olio freni DOT 3			B	N	N	-	B
Brake fluids DOT 4	Olio freni DOT 4			B	N	N	-	B
Brake fluids DOT 5	Olio freni DOT 5			B	-	-	-	B
Bromic Acid	Acido Bromico	HBrO <sub>3</sub>	10035-10-6	-	-	-	B	-
Bromine	Bromo			N	N	N	N	B
Bromine Water-Chlorine	Acqua di Bromo-Cloro			N	-	-	-	-
Bromochlorodifluoromethane	Bromoclorodifluorometano	CBrClF <sub>2</sub>	353-59-3	B	-	-	-	B
Bromotrifluoroethylene	Bromotrifluoroetilene	C <sub>2</sub> BrF <sub>3</sub>	598-73-2	-	-	-	-	B
Butadiene 1,2	Butadiene 1,2	C <sub>4</sub> H <sub>6</sub>	590-19-2	B	-	-	-	B
Butadiene 1,3	Butadiene 1,3	C <sub>4</sub> H <sub>6</sub>	106-99-0	B	-	-	-	B
Butane	Butane	C <sub>4</sub> H <sub>10</sub>	106-97-8	B	B	H	-	B
Butanox M-60	Butanox M-60			N	-	-	-	B
Butanox P-50	Butanox P-50			N	-	-	-	B
Butene	Butene	C <sub>4</sub> H <sub>8</sub>	106-98-9	B	-	-	-	B
Butene (cis)	Butene (cis)	C <sub>4</sub> H <sub>8</sub>	590-18-1	B	-	-	-	B
Butene (trans)	Butene (trans)	C <sub>4</sub> H <sub>8</sub>	624-64-6	B	-	-	-	B
Butyl Glycol (2-butoxyethanol)	Butilglicole (2-butossietanolo)	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	111-76-2	N	-	-	-	B
Butter	Burro			-	-	-	B	-
Butyl Alcohol	Alcool Butilico	C <sub>4</sub> H <sub>10</sub> O		-	-	-	B	B
Butyl-Ethyl Acetate	Acetato Butile-Etile			B	O	O	-	B

C								
Calcium Arsenate	Arseniato di Calce			B	-	-	-	-
Calcium Carbonate	Carbonato di calcio	CaCO <sub>3</sub>	471-34-1	B	-	-	B	B
Calcium Chloride	Cloruro di Calcio	CaCl <sub>2</sub>	10043-52-4	B	B	B	-	B
Calcium Hypochlorite 5%	Ipoclorito di calcio 5%	Ca(ClO) <sub>2</sub>	7778-54-3	-	B	-	B	B
Calcium Hypochlorite	Ipoclorito di calcio	Ca(ClO) <sub>2</sub>	7778-54-3	-	-	-	B	B
Calcium Nitrate	Nitrato di Calcio	Ca(NO <sub>3</sub> ) <sub>2</sub>	10124-37-5	B	-	-	-	B
Calcium Sulfide (Lime Sulfur)	Polisolfuro di Calcio		1344-81-6	B	-	-	-	B
Calcium Sulphate	Solfato di Calcio			-	-	-	B	B
Camphor	Canfora			-	-	-	BO	-
Carbon	Carbonio			-	-	-	B	-
Carbon Dioxide	Anidride Carbonica	CO <sub>2</sub>	124-38-9	B	B	B	B	B
Carbon Disulfide	Disolfuro di Carbonio	CS <sub>2</sub>	75-15-0	BG	O	-	-	-
Carbon Monoxide	Monossido di Carbonio	CO	630-08-0	B	B	-	-	B
Carbon Tetrachloride	Tetracloruro di Carbonio	CCl <sub>4</sub>	56-23-5	O	N	N	-	B
Carbonyl Sulphide	Solfuro di carbonile	COS	463-58-1	B	-	-	-	B
Carbonic Acid	Acido Carbonico	H <sub>2</sub> CO <sub>3</sub>	463-79-6	B	N	B	B	B
Castor oil	Olio di Ricino			-	O	-	B	-
Castrol Brayco Micronic 882	Castrol Brayco Micronic 882			-	B	-	-	-
Castrol Brayco Micronic LV/3	Castrol Brayco Micronic LV/3			B	-	B	-	B
Castrol Brayco Micronic SV3	Castrol Brayco Micronic SV3			B	-	B	-	B
Castrol HLX (+60°C)	Castrol HLX (+60°C)			B	-	-	-	-

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Castrol Transaqua™ HT	Castrol Transaqua™ HT			B	N	-	-	B
Chlorobenzene	Monoclorobenzene			O	-	-	-	B
Chlorine (gas) <sup>(1)</sup>	Cloro (gas)	Cl <sub>2</sub>	7782-50-5	N	N	-	N	B
Chlorine Carbonate	Carbonato di Cloro			-	-	O	-	-
Chlorine Dioxide 1%	Diossido di Cloro 1%	ClO <sub>2</sub>	10049-04-4	B	N	N	N	B
Chlorine Water 5%	Candeggina 5%			B	O	N	B	B
Chlorodifluoroethane (R142b)	Clorodifluoroetano (R142b)	C <sub>2</sub> H <sub>3</sub> ClF <sub>2</sub>	75-68-3	B	-	-	-	B
Chloroethane	Cloroetano	C <sub>2</sub> H <sub>5</sub> Cl	75-00-3	-	-	-	-	B
Chloroform	Cloroformio			O	N	N	N	B
Chloromethane	Clorometano	CH <sub>3</sub> Cl	74-87-3	-	-	-	-	B
Chloropentafluoroethane	Cloropentafluoroetano	C <sub>2</sub> ClF <sub>5</sub>	76-15-3	B	-	-	-	B
Chlorotetrafluoroethane	Clorotetrafluoroetano	C <sub>2</sub> HClF <sub>4</sub>	2837-89-0	-	-	-	-	B
Chlorotrifluoroethane	Clorotrifluoroetano	C <sub>2</sub> H <sub>2</sub> ClF <sub>3</sub>	75-88-7	-	-	-	-	B
Chlorotrifluoroethylene	Clorotrifluoroetilene	C <sub>2</sub> ClF <sub>3</sub>	79-38-9	-	-	-	-	B
Chlorotrifluoromethane	Clorotrifluorometano	CClF <sub>3</sub>	75-72-9	B	-	-	-	B
Chloronitrobenzene	Cloronitrobenzene			N	-	-	-	-
Chlorosulfuric acid	Acido clorosolfonico	HSO <sub>3</sub> Cl	7790-94-5	-	N	-	-	-
Chromic Acid 10%	Acido Cromico 10%	H <sub>2</sub> CrO <sub>4</sub>	7738-94-5	N	N	N	O	B
Cianacrilic Silicon	Siicone Cianacrilico			B	-	-	-	-
Cider	Sidro			-	-	-	B	-
Citric Acid	Acido Citrico	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	77-92-9	B	B	O	B	B
Coffee	Caffè			-	-	-	B	-
CONDAT D hydraulic oil	CONDAT D olio idraulico			B	N	-	-	B
CONTROX B 73 Pasty paint remover	CONTROX B 73			N	-	-	-	B
CONTROX E 181 Paint stripping agent	CONTROX E 181			N	-	-	-	B
Copper Chloride	Cloruro di Rame			-	B	-	B	-
Copper Cyanide	Cianuro di Rame			-	-	-	B	-
Copper Nitrate	Nitrato di Rame	Cu(NO <sub>3</sub> ) <sub>2</sub>	3251-23-8	-	-	-	B	-
Copper Salts	Sali di Rame			B	-	-	-	-
Copper Sulphate	Solfato di Rame			B	B	-	B	-
Cotton Oil	Olio di Cotone			-	B	-	B	B
Creosol	Metilfenolo			N	-	-	-	B
Crude oil	Petrolio greggio			B	-	-	-	B
Cutting Oil	Olio da taglio			-	-	-	-	B
Cyclohexane	Cicloesano			B	B	O	-	B
Cyclohexanol	Cicloesanolo			B	-	-	-	-
Cyclohexanone	Cicloesanone			B	-	N	-	B
Cyclopentane	Ciclopentano			B	-	-	-	-
Cyclopropane	Ciclopropano	C <sub>3</sub> H <sub>6</sub>	75-19-4	-	-	-	-	B
Cyanogen	Cianogeno	C <sub>2</sub> N <sub>2</sub>	460-19-5	-	-	-	-	B

D								
Decahydronaphthalene	Decaidronaftalina			B	-	-	-	-
Decalin	Decalina			B	-	-	-	B
Denaturated Alcohol	Alcool Denaturato			BG	-	-	-	B
Desmodur 44 V 70 L	Desmodur 44 V 70 L			-	N	-	-	B
Detergents	Detersivi			-	-	-	B	-
Deuterium	Deuterio	D <sub>2</sub>		B	-	-	-	B
Diacetone Alcohol	Alcool Diacetone	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	123-42-2	B	-	-	-	-
Diammonium Phosphate	Fosfato d'ammoniaca			B	-	-	-	-
Diborane	Diborano	B <sub>2</sub> H <sub>6</sub>	19287-45-7	B	-	-	-	B
Dibromodifluoromethane	Dibromodifluorometano	CB <sub>2</sub> F <sub>2</sub>	75-61-6	B	-	-	-	B
Dibromotetrafluoroethane	Dibromotetrafluoroetano	C <sub>2</sub> Br <sub>2</sub> F <sub>4</sub>	124-73-2	B	-	-	-	B
Dibutyl Phthalate	Dibutilftalato	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	84-74-2	-	B	-	-	-
Dibutyl Sebacate		C <sub>18</sub> H <sub>34</sub> O <sub>4</sub>	109-43-3	-	B	-	-	-
Dichlorodifluoromethane (R12)	Diclorodifluorometano (R12)	CCl <sub>2</sub> F <sub>2</sub>	75-71-8	B	B	-	-	N

<sup>(1)</sup> Before use, the hose must be flushed. Avoid sudden pressurization above 40 bar. Il tubo deve essere flussato prima dell'uso. Vanno evitate le repentine pressurizzazioni sopra i 40 bar.

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Dichlorofluoromethane	Diclorofluorometano	CHCl <sub>2</sub> F <sub>2</sub>	75-43-4	B	-	-	-	B
Dichloroethane	Dicloroetano			O	-	-	-	-
Dichloroethylene	Dicloroetilene			O	-	N	-	-
Dichlorosilane	Diclorosilano	SiH <sub>2</sub> Cl <sub>2</sub>	4109-96-0	N	-	-	-	B
Dichloropropene	Dicloropropene	C <sub>3</sub> H <sub>4</sub> Cl <sub>2</sub>	542-75-6	N	-	-	N	B
Dichlorotetrafluoroethane	Diclorotetrafluoroetano	C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>	76-14-2	B	-	-	-	B
Dicyclopentadiene	Diciclopentadiene	C <sub>10</sub> H <sub>12</sub>	77-73-6	N	N	N	N	B
Diesel	Gasolio			B	O	B	N	B
Diesel (60°C)	Gasolio (60°C)			B	O	-	-	B
Diesel Oil	Nafta			B	O	-	-	B
Diethanolamine	Diatalonamina			B	-	-	-	B
Diethyl ether	Etere Dietilico	C <sub>4</sub> H <sub>10</sub> O		B	-	-	-	-
Diethylene Glycol (DEG)	Glicole Dietilenico (DEG)	C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>	111-46-6	-	-	O	-	B
Difluoroethane (R152a)	Difluoroetano (R152a)	C <sub>2</sub> H <sub>4</sub> F <sub>2</sub>	75-37-6	B	-	-	-	B
Difluoroethylene (R132a)	Fluoruro di Vinilidene (R132a)	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub>	75-38-7	-	-	-	-	B
Dilauroyl Peroxide	Perossido di Laurile			B	-	-	-	-
Dimethylamine	Dimetilamina	C <sub>2</sub> H <sub>7</sub> N	124-40-3	-	-	-	-	B
Dimethyl Sulphate	Dimetilsolfato			B	-	N	-	-
Dimethylether DME	Dimetiletere DME	C <sub>2</sub> H <sub>6</sub> O	115-10-6	B	-	-	B	B
Dimethyl ketone	Dimetilchetone			B	O	N	-	-
Dimethylformamide DMF (23°C)	Dimetilformamide DMF (23°C)	C <sub>3</sub> H <sub>7</sub> NO	68-12-2	B	-	N	-	-
Dimethyl Phthalate	Dimetilftalato	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	131-11-3	N	-	-	-	B
Dimethyl Sulfoxide (DMSO)	Dimetilsolfossido (DMSO)	C <sub>2</sub> H <sub>6</sub> SO	67-68-5	B	-	N	B	B
Di-n-butyl Phthalate	Dibutilftalato			-	-	-	N	B
Diphenylmethane diisocyanate MDI	Difenilmetano diisocianato MDI	C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	101-68-8	N	N	N	N	B
Dipropylene glycol monomethyl ether (DPGME)	Glicole dipropilenico monometiletera (DPGME)		34590-94-8	-	-	-	-	B
Diocetyl Phosphate	Dioctilfosfato			B	-	-	-	-
Diocetyl Phthalate	Dioctilftalato	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>	117-81-7	-	B	-	-	-
Dioxine	Dioxane			B	-	-	-	B
Diphenyl	Difenile			B	-	-	-	-
Disilane	Disilano	Si <sub>2</sub> H <sub>6</sub>	1590-87-0	-	-	-	-	B
D-limonene	D-limonene			B	-	N	N	B
Dynalene HF-LO	Dynalene HF-LO			N	N	N	-	B
Dynasolve CU-6	Dynasolve CU-6			N	N	N	B	B

E								
Emkarate RL	Emkarate RL			B	N	-	-	B
Engine Oil	Olio motore			B	B	-	-	B
Ethane	Etano	C <sub>2</sub> H <sub>6</sub>	74-84-0	B	-	-	-	B
Ethanolamine	Etanolamina		141-43-5	B	-	N	-	B
Ether	Etere			-	-	-	N	-
2-Ethyl-1-hexanol	2-etilesanolo (alcol isoottilico)		104-76-7	B	-	N	B	B
Ethyl Acetate	Acetato di Etile	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	141-78-6	B	O	-	-	B
Ethyl Alcohol (Ethanol)	Alcool Etilico (Etanolo)	CH <sub>3</sub> CH <sub>2</sub> OH	64-17-5	BG	O	N	B	B
Ethylamine	Etilamina	C <sub>2</sub> H <sub>7</sub> N	75-04-7	N	-	-	-	B
Ethyl and Methyl Bromide	Bromuro Etile e Metile			B	-	-	-	-
Ethyl Ester	Etere Etilico			B	-	-	-	-
Ethylbenzene	Etilbenzene			B	-	-	-	-
Ethylene	Etilene	C <sub>2</sub> H <sub>4</sub>	74-85-1	B	-	-	-	B
Ethylene Chloride	Cloruro d'Etilene	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	107-06-2	B	O	-	-	B
Ethylene Glycol	Glicole Etilenico (Monoetilenglicole)	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	107-21-1	B	B	O	B	B
Ethylene Oxide	Ossido di Etilene	C <sub>2</sub> H <sub>4</sub> O	75-21-8	B	B	-	-	B
Ethyl Mercaptan, Ethanethiol	Etilmercaptano, Etantiolo	C <sub>2</sub> H <sub>6</sub> S	75-08-1	-	-	-	-	B
Esso Univis J26	Esso Univis J26			B	B	-	-	-
Exxsol D40	Exxsol D40			-	-	-	B	B
Exxsol D60	Exxsol D60			-	B	-	B	B

F								
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Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Fatty Acid Esters	<i>Esteri d'acidi grassi</i>			B	-	-	-	-
Ferric Chlorine	<i>Cloruro Ferrico</i>			B	O	-	-	B
Ferric Nitrate	<i>Nitrato Ferrico</i>	Fe(NO <sub>3</sub> ) <sub>3</sub>	7782-61-8	-	-	-	B	B
Ferrous Chloride	<i>Cloruro Ferroso</i>			-	-	-	B	B
Ferrous Sulphate	<i>Solfato Ferroso</i>			-	-	-	B	B
Fluoride	<i>Fluoruro</i>	F <sup>-</sup>	16984-48-8	N	N	N	N	N
Fluorine	<i>Fluoro</i>	F <sub>2</sub>	7782-41-4	N	N	N	N	N
Fluorinert™ 3M	<i>Fluorinert™ 3M</i>			-	-	-	-	B
Fluorine Carbonate	<i>Carbonato di Fluoro</i>			-	-	O	-	-
Fluoroethane	<i>Fluoroetano</i>	C <sub>2</sub> H <sub>5</sub> F	353-36-6	B	-	-	-	B
Fluoromethane	<i>Fluorometano</i>	CH <sub>3</sub> F	593-53-3	B	-	-	-	B
Forane	<i>Forane</i>			B	-	-	-	-
Forane 12 B1	<i>Forane 12 B1</i>			O	-	-	-	-
Formaldehyde	<i>Formaldeide</i>			O	N	N	B	B
Formalin	<i>Formalina</i>			B	N	N	B	B
Formic Acid 50%	<i>Acido Formico 50%</i>	HCO <sub>2</sub> H	64-18-6	N	N	N	B	B
Formol	<i>Formolo</i>			B	-	-	-	-
Fruit Juice	<i>Succo di frutta</i>			-	-	B	B	-
Fuchs Plantohyd 40 N bio	<i>Fuchs Plantohyd 40 N Bio</i>			B	N	O	-	B
Fuel E5	<i>Benzina E5</i>			B	-	-	-	B
Fuel E10	<i>Benzina E10</i>			BG	-	-	-	B
Fuel Oil	<i>Olio combustibile</i>			B	-	-	O	B
Furfural	<i>Furfurale</i>	C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	98-01-1	BG	-	-	-	B
Fyrquel® Fire resistance fluid	<i>Fyrquel® Fire resistance fluid</i>			B	-	N	-	B

G								
Galden® HT PFPE	<i>Galden® HT PFPE</i>			-	-	-	B	B
Gasoline	<i>Benzina verde</i>			B	O	B	N	B
Gelatine	<i>Gelatina</i>			-	-	-	B	-
Germane	<i>Germano</i>	GeH <sub>4</sub>	7782-65-2	B	-	-	-	B
Glucose	<i>Glucosio</i>			B	-	-	-	B
Glycerine	<i>Glicerina</i>			BG	B	B	-	B
Glycol	<i>Glicole</i>			BG	O	O	B	B
Graphite + Water	<i>Grafite + Acqua</i>			B	-	-	-	-

H								
Halon 1301 (bromotrifluoromethane)	<i>Halon 1301 (bromotrifluorometano)</i>	CBrF <sub>3</sub>	75-63-8	N	-	-	-	B
Halon 2402	<i>Halon 2402</i>			B	-	-	-	-
Helium	<i>Elio</i>	He	7440-59-7	B	B	B	-	B
Heliox	<i>Heliox</i>			B	B	-	B	B
Heptane	<i>Eptano</i>			B	-	-	-	-
Hexafluoroethane	<i>Esafluoroetano</i>	C <sub>2</sub> F <sub>6</sub>	76-16-4	B	-	-	-	B
Hexafluoropropene	<i>Pentafluoropropene</i>	C <sub>3</sub> F <sub>6</sub>	116-15-4	B	-	-	-	B
Hexane	<i>Esano</i>			B	-	-	-	-
Hexanol	<i>Esanolo</i>			-	-	-	O	-
Honey	<i>Miele</i>			-	-	-	B	-
Hydraulic Oil – HFDU ester base	<i>Olio idraulico – HFDU base estere</i>			B	N	-	-	B
Hydraulic Oil – HLP mineral base	<i>Olio idraulico – HLP base minerale</i>			B	B	-	N	B
Hydraulic Oil – PAO base	<i>Olio idraulico – base PAO</i>			B	B	-	O	B
Hydraulic Oil – Paraffin base	<i>Olio idraulico – base Paraffinica</i>			B	B	-	-	B
Hydraulic Oil – Phosphate-ester base	<i>Olio idraulico – base esteri fosforici</i>			B	N	-	-	B
Hydraulic Oil – Saturated Synthetic Ester base	<i>Olio idraulico – base esteri sintetici saturi</i>			B	N	-	-	B
Hydraulic Oil	<i>Olio Idraulico</i>			B	B	B	N	B
Hydrochloric Acid 10%	<i>Acido Cloridrico 10%</i>	HCl	7647-01-0	B	O	N	B	B
Hydrochloric Acid 37%	<i>Acido Cloridrico 37%</i>	HCl	7647-01-0	N	N	N	B	B
Hydrofluoric Acid 40%	<i>Acido Fluoridrico 40%</i>	HF	7664-39-3	N	N	N	B	B

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Hydrogen <sup>(1)</sup>	Idrogeno <sup>(1)</sup>	H <sub>2</sub>	1333-74-0	B	B	N	-	B
Hydrogen Bromide (gas)	Acido Bromidrico (gas)	HBr	10035-10-6	N	-	-	-	B
Hydrogen Chloride (gas)	Cloruro di idrogeno (gas)	HCl	7647-01-0	N	-	-	-	B
Hydrogen Cyanide (gas)	Acido Cianidrico (gas)	HCN	74-90-8	N	-	-	B	B
Hydrogen Fluoride (gas)	Fluoruro di idrogeno (gas)	HF	7664-39-3	N	-	-	-	B
Hydrogen Iodide	Ioduro di idrogeno	HI	10034-85-2	N	-	-	-	-
Hydrogen Peroxide 20 vol (6%)	Acqua Ossigenata 20 vol (6%)	H <sub>2</sub> O <sub>2</sub>	7722-84	O	-	O	B	B
Hydrogen Peroxide 120 vol (35%)	Acqua Ossigenata 20 vol (35%)	H <sub>2</sub> O <sub>2</sub>	7722-84	N	N	N	O	B
Hydrogen Sulfide (gas)	Acido Solfidrico (gas)	H <sub>2</sub> S	7783-06-4	B	-	N	B	B
Hydroquinone	Idrochinone			-	-	-	B	-
Houghton Hocut AS 4000 EH-V	Houghton Hocut AS 4000 EH-V			-	-	-	-	B
Houghto-Safe 620 E	Houghto-Safe 620 E			-	N	-	-	-
Houghto-Safe 1120	Houghto-Safe 1120			B	N	-	-	B
Huntsman Accelerator DY 070	Huntsman Accelerator DY 070			B	-	-	-	-
Huntsman Aradur® 917 CH	Huntsman Aradur® 917 CH			B	-	-	-	-
Huntsman Araldite® LY 556	Huntsman Araldite® LY 556			B	-	-	-	-

I								
Igepal	Igepal			-	-	-	O	-
Inks	Inchiostri			-	-	-	B	B
Iodine	Iodio			-	-	-	O	-
Iodine Potassium	Ioduro di Potassio			B	-	-	-	-
Iron	Ferro			-	-	-	B	-
Iron Salts	Sali di Ferro			B	-	-	-	-
Isododecane	Isododecano	C <sub>12</sub> H <sub>26</sub>		-	-	N	-	B
Isobutane	Isobutano	C <sub>4</sub> H <sub>10</sub>	72-28-5	B	-	O	-	B
Isobutyl Acetate	Acetato di Isobutile		110-19-0	B	-	N	-	B
Isobutylene	Isobutene	C <sub>4</sub> H <sub>8</sub>	115-11-7	B	-	-	-	B
Isocyanates	Isocianati			O	O	O	-	B
Isoforane	Isoforano			B	-	-	-	-
ISOPAR H Fluid	ISOPAR H Fluid		64742-48-9	B	-	-	N	B
Isopropane	Isopropano			-	-	N	-	-
Isopropyl Acetate	Isopropil Acetato		108-21-4	-	-	-	-	B
Isopropyl Alcohol	Alcool Isopropilico	C <sub>3</sub> H <sub>8</sub> O	67-63-0	BG	B	N	-	B
Isooctane	Isocetano			B	-	-	-	B

K								
Kerosene	Kerosene			B	O	-	-	B
Ketones	Chetoni			-	-	-	O	B
Klüberfood 4 NH1-46	Klüberfood 4 NH1-46			B	B	-	-	B
Krypton	Kripton	Kr	7439-90-9	B	-	-	-	B

L								
Lactic Acid 10%	Acido Lattico 10%	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	50-21-5	B	O	N	B	B
Lanolin	Lanolina			B	-	-	-	-
Latex	Lattice			-	-	-	B	-
Leguminous Vegetables	Legumi			-	-	-	B	-
Lime Idrates	Calce Idrata			B	-	-	-	-
Linseed Oil	Olio di Lino			B	O	-	-	B
Liquid Wax	Cera liquida			B	-	-	-	-
LOXEAL	LOXEAL			-	-	-	B	B
LPG	GPL			B	-	-	-	B
Luperox® K3 E	Luperox® K3 E			N	N	N	N	B
Lye of Potassium	Lisciva di Potassio			B	-	-	-	-
Lye of soda concentrated	Liscivia di Soda concentrata			N	-	-	-	B

M								
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<sup>(1)</sup> Before use, the hose must be flushed. Avoid sudden pressurization above 40 bar. Il tubo deve essere flussato prima dell'uso. Vanno evitate le repentine pressurizzazioni sopra i 40 bar.

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Magnesium Chloride 50%	Cloruro di Magnesio 50%	MgCl <sub>2</sub>	7786-30-3	B	O	-	-	B
Magnesium Salts	Sali di Magnesio			B	-	-	-	-
Magnesium Sulphate	Solfato di Magnesio			-	-	-	B	B
Maleic Acid	Acido Maleico	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	110-16-7	-	-	-	B	B
Margarine	Margarina			-	-	-	B	-
Mayonnaise	Maionese			-	-	-	B	-
Mercurochrome	Mercurocromo			B	-	-	-	-
Mercury	Mercurio			B	-	-	-	B
Methane	Metano	CH <sub>4</sub>	74-82-8	B	B	-	-	B
Methanethiol Methyl Mercaptan)	Metantiolo (Metilmercaptano)	CH <sub>3</sub> S	74-93-1	B	-	-	-	B
Methyl Acetate	Acetato di Metile	CH <sub>3</sub> COOCH <sub>3</sub>	79-20-9	B	-	-	-	B
Methylamine	Metilammina	CH <sub>5</sub> N	74-89-5	B	-	-	-	B
Methylacetylene (Propyne)	Metilacetilene (Propino)	C <sub>3</sub> H <sub>4</sub>	74-99-7	-	-	-	-	B
Methyl Alcohol (Methanol)	Alcool Metilico (Metanolo)	CH <sub>3</sub> OH	67-56-1	BG	BG	N	B	B
Methyl Bromide	Bromuro di metile	CH <sub>3</sub> Br	74-83-9	-	-	-	-	B
Methyl Chloride Gas	Cloruro di Metile Gas			B	-	-	-	B
Methyl Ethyl ketone (MEK)	Metilietilchetone (MEK)	C <sub>4</sub> H <sub>8</sub> O	78-93-3	B	N	N	N	B
Methyl Ethyl Ketone Peroxide (MEKP)	Metilietilchetone Perossido (MEKP)	C <sub>8</sub> H <sub>16</sub> O <sub>4</sub>	1338-23-4	B	-	-	-	B
Methyl Isobutyl Ketone (MIBK)	Metilisobutilchetone			B	-	N	N	B
Methyl Oil	Olio di Metile			-	-	-	N	-
Methyl Silane	Metilsilano	CH <sub>6</sub> Si	992-94-9	-	-	-	-	B
Methyl Sulphate	Solfato di Metile			B	-	-	-	-
1-Methyl-2-Pyrrolidinone (NMP)	1-Metil-2-Pirrolidone (NMP)	C <sub>5</sub> H <sub>9</sub> NO	872-50-4	N	N	-	-	B
Methylene Chloride (Dichloromethane)	Cloruro di Metilene (Diclorometano)	CH <sub>2</sub> Cl <sub>2</sub>	75-09-2	O	N	N	N	B
Metox 50	Metox 50			N	-	-	-	B
Milk	Latte			-	-	B	B	B
Milk of Lime	Latte di Calce			B	-	-	-	-
Mineral Oil (White Mineral Oil)	Olio Minerale			B	B	-	-	B
M-I Swaco SI-4126 (40°C)	M-I Swaco SI-4126 (40°C)			B	-	-	-	-
M-I Swaco KI-3345 (40°C)	M-I Swaco KI-3345 (40°C)			B	-	-	-	-
Mobil Aero HFD	Mobil Aero HFD			B	B	-	-	-
Mobil DTE 800 series	Mobil DTE 800 series			B	B	-	-	B
Mobil DTE 10	Mobil DTE 10			B	B	-	-	B
Mobil DTE 24	Mobil DTE 24			B	-	-	-	B
Monoethanolamine	Monoetanolammina	C <sub>2</sub> H <sub>7</sub> NO	141-43-5	BG	-	-	-	-
Mustard	Mostarda			-	-	-	B	-

N								
NALCO 3DT222	NALCO 3DT222			-	-	N	B	B
Naphtha	Nafta			B	O	B	B	B
Naphthalene	Naftalina			B	O	-	-	B
Natural Gas	Gas naturale			B	-	-	-	B
Naval distillate fuel, NATO F-76	Naval distillate fuel, NATO F-76			B	-	-	-	-
Nekanil	Nekanil			-	-	-	N	-
Neon	Neon	Ne	7440-01-9	B	-	-	-	B
n-hexane (20°C)	n-esano (20°C)	C <sub>6</sub> H <sub>14</sub>	110-54-3	B	B	O	B	B
n-hexane (50°C)	n-esano (50°C)	C <sub>6</sub> H <sub>14</sub>	110-54-3	O	N	N	O	B
Nickel	Nichel			-	-	-	B	-
Nickel Salts	Sali di Nickel			B	-	-	-	-
NIKUTEX 2397 Purge thinner	NIKUTEX 2397			N	-	-	-	B
Nitric Acid 40%	Acido Nitrico 40%	HNO <sub>3</sub>	7697-37-2	N	N	N	N	B
Nitric Oxide <sup>(1)</sup>	Monossido di azoto	NO	10102-43-9	N	-	-	-	B
Nitrobenzene	Nitrobenzene	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	98-95-3	OG	N	-	-	B
Nitrocellulose Paints	Vernice Nitrocellulosa			B	-	-	-	B
Nitrogen	Azoto	N <sub>2</sub>	7727-37-9	B	B	B	B	B
Nitrogen Dioxide <sup>(1)</sup>	Diossido di azoto	NO <sub>2</sub>	10102-44-0	N	-	N	-	B
Nitrogen Tetroxide (Nitrogen Peroxide)	Tetrossido di azoto (Perossido di azoto)	N <sub>2</sub> O <sub>4</sub>	10544-72-6	N	N	N	N	N



Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Nitrogen Trifluoride	Trifluoruro di azoto	NF <sub>3</sub>	7783-54-2	-	-	-	-	B
Nitromethane + Methanol 40/60%	Nitrometano + Metanolo			BG	-	-	-	-
Nitrous Oxide <sup>(1)</sup>	Protossido d'Azoto	N <sub>2</sub> O	10024-97-2	O	B	-	-	B
Norox <sup>®</sup> MEKP-9	Norox <sup>®</sup> MEKP-9			B	-	-	-	B
Novect <sup>™</sup> 71DE	Novect <sup>™</sup> 71DE			-	-	-	-	B
Novect <sup>™</sup> 7300	Novect <sup>™</sup> 7300			B	B	B	-	N

O								
OB200	OB200			B	B	-	-	B
OCEANIC HW 740 R	OCEANIC HW 740 R			B	-	-	B	-
Octafluoropropane	Perfluoropropano	C <sub>3</sub> F <sub>8</sub>	76-19-7	B	-	-	-	B
Octane	Octano			B	-	-	-	-
Oceanic HW425 (60°C)	Oceanic HW425 (60°C)			B	B	-	-	B
Oil of Turpentine	Essenza di trementina			B	-	-	-	-
Oil Paints	Vernici ad Olio			-	-	-	N	B
Olbein Q8 Bio	Olbein Q8 Bio			B	N	O	-	B
Oleic Acid	Acido Oleico		112-80-1	B	B	-	-	B
Oleum	Oleum			N	N	-	-	-
Organic Peroxide	Perossido Organico			O	-	O	-	B
Ortho-D-Chlorobenzene	Ortodiclorobenzene			O	-	-	-	-
Oxalic Acid	Acido Ossalico	(COOH) <sub>2</sub>	144-62-7	B	-	-	-	B
Oxygen <sup>(1)</sup>	Ossigeno <sup>(1)</sup>	O <sub>2</sub>	7782-44-7	B	B	B	B	B
Oxygen <sup>(1)</sup> (60°C)	Ossigeno <sup>(1)</sup> (60°C)	O <sub>2</sub>	7782-44-7	B	B	O	O	B
Oxymek M-60	Oxymek M-60			N	-	-	-	B
Ozone	Ozono			N	O	O	N	B

P								
Paradichlorobenzene	Paradichlorobenzene			B	-	-	-	-
Paint thinner	Diluyente Nitro			B	-	-	-	B
Panolin HLP Synth	Panolin HLP Synth			B	N	-	-	B
Paraffin	Paraffina			B	B	-	N	-
Paraffin Oil	Olio di Paraffina			B	B	-	-	-
Peanut Oil	Olio di Arachide			B	B	-	-	-
Pentane	Pentano			B	-	O	-	-
Pentosin CHF 7.1	Pentosin CHF 7.1			B	B	-	-	-
Peracetic acid	Acido peracetico	CH <sub>3</sub> CO <sub>3</sub> H	79-21-0	-	N	N	N	B
Perchloric Acid	Acido Perclorico	HClO <sub>4</sub>	7601-90-3	N	N	N	N	B
Perchloroethylene	Percloroetilene			O	N	N	-	B
Perfluoroisobutene	Perfluoroisobutene	C <sub>4</sub> F <sub>8</sub>	382-21-8	B	-	-	-	B
Perfluorocyclobutane	Perfluorociclobutano	C <sub>4</sub> F <sub>8</sub>	115-25-3	B	-	-	-	B
Petroleum	Petrolio			B	-	-	-	B
Petroleum ester	Estere di petrolio			B	-	-	-	-
Phenol	Fenolo			N	N	N	N	B
Phosgene	Fosgene	COCl <sub>2</sub>	75-44-5	N	-	-	-	B
Phosphine	Fosfina	PH <sub>3</sub>	7803-51-2	N	-	-	-	B
Phosphoric Acid 10%	Acido Fosforico 10%	H <sub>3</sub> PO <sub>4</sub>	7664-38-2	B	-	O	B	B
Phosphoric Acid 30%	Acido Fosforico 30%	H <sub>3</sub> PO <sub>4</sub>	7664-38-2	N	-	N	-	B
Phosphoric Anhydride	Anidride Fosforica			-	-	-	B	-
PAO (PolyAlphaOlefin) Synthetic Hydrocarbon	PAO			B	B	-	BO	B
Phosphoric Ester	Estere Fosforico			B	-	-	-	B
Phosphorus Oxychloride	Ossicloruro di Fosforo	POCl <sub>3</sub>	10025-87-3	N	-	-	-	B
Phosphorous	Fosforo	P		-	-	-	B	-
Phosphorous Trichloride	Tricloruro di Fosforo	PCl <sub>3</sub>	7719-12-2	N	-	-	-	-
Photographic Emulsions	Emulsioni fotografiche			-	-	-	B	-
Picric Acid	Acido Picrico	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>7</sub>	88-89-1	O	-	-	-	B
Pine Oil	Olio di Pino			B	-	-	-	B

<sup>(1)</sup> Before use, the hose must be flushed. Avoid sudden pressurization above 40 bar. Il tubo deve essere flussato prima dell'uso. Vanno evitate le repentine pressurizzazioni sopra i 40 bar.

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Polyvinylacetate (PVAc)	Polivinilacetato		9003-20-7	-	-	-	-	B
Potassium 50%	Potassio 50%			B	-	-	B	-
Potassium Acetate	Acetato di Potassio	CH <sub>3</sub> COOK	127-08-2	B	B	-	B	B
Potassium Bichromate	Bicromato di Potassio			O	-	-	-	-
Potassium Bromide	Bromuro di Potassio			-	-	-	B	-
Potassium Carbonate	Carbonato di Potassio			B	-	-	-	-
Potassium Chloride	Cloruro di Potassio			B	-	-	-	B
Potassium Ferrocyanide	Ferrocianuro Potassio			B	-	-	-	-
Potassium Hydroxide 50%	Idrossido di Potassio 50%	KOH	1310-58-3	O	N	N	B	B
Potassium Nitrate	Nitrato di Potassio	KNO <sub>3</sub>	7757-79-1	BG	-	-	-	B
Potassium Permanganate 5%	Permanganato di Potassio 5%			N	-	-	-	-
Potassium Sulphate	Solfato di Potassio			B	-	-	-	B
Propadiene	Propadiene	C <sub>3</sub> H <sub>4</sub>	463-49-0	-	-	-	-	B
Propane	Propano	C <sub>3</sub> H <sub>8</sub>	74-98-6	B	-	-	-	B
Propyl Acetate (n-propyl acetate)	Propile Acetato (acetato di n-propile)		109-60-4	-	-	-	-	B
n-Propyl Alcohol	Alcool n-Propilico		71-23-8	N	-	N	-	B
Propylene (Propene)	Propilene	C <sub>3</sub> H <sub>6</sub>	115-07-1	-	-	-	-	B
Propylene Chloride (Dichloropropane)	Dicloropropano	C <sub>3</sub> H <sub>6</sub> Cl <sub>2</sub>	78-87-5	-	-	-	N	B
Propylene Oxide	Ossido di propilene	C <sub>3</sub> H <sub>6</sub> O	75-56-9	-	-	-	-	B
PVA glue	Colla vinilica			B	-	-	-	B
Pyridine Oil	Olio di Piridina			O	-	-	-	-
Pyridine Pure	Piridina Pura			O	N	N	-	B
<b>Q</b>								
Q8 Holbein Bio Plus	Q8 Holbein Bio Plus			B	-	-	-	-
<b>R</b>								
R1234yf	R1234yf			B	-	-	-	-
R1234ze	R1234ze			B	B	-	-	-
R125	R125			B	-	-	-	-
R134a	R134a			B	B	-	-	O
R22 (Chlorodifluoromethane)	R22 (Clorodifluorometano)	CHClF <sub>2</sub>	75-45-6	B	B	-	-	N
R32	R32			B	-	-	-	-
R404	R404			B	B	-	-	O
R407	R407			B	B	-	-	O
R410	R410			B	B	-	-	O
R452a	R452a			B	-	-	-	-
R455a	R455a			B	-	-	-	-
Rapeseed Oil	Olio di Colza			B	O	-	-	B
Resorcin	Résorcina			N	-	-	-	-
ROLOIL Li32 hydraulic oil	ROLOIL Li32 olio idraulico			B	-	-	-	B
<b>S</b>								
SAE 10 Oil	Olio SAE 10			-	B	-	-	B
SAE 80/90 hypoid-gear oil	Olio SAE 80/90 per ingranaggi ipoidi			B	-	-	-	-
Salicylic Acid	Acido Salicilico	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	69-72-7	B	-	-	-	-
Scintinel TB Gas Odorant	Scintinel TB Gas Odorant			-	-	-	-	B
Scintinel A Gas Odorant	Scintinel A Gas Odorant			-	-	-	-	B
Sea Water	Acqua di mare			B	O	B	B	B
Sea Salt	Sale Marino			B	B	B	B	B
Shampoo	Shampoo			-	-	-	B	-
Shell D971	Shell D971			B	B	-	-	-
Shell Naturelle HFE 46	Shell Naturelle HFE 46			B	-	-	-	B
Shell Tellus S2 V 46	Shell Tellus S2 V 46			B	B	-	-	B
Shell Turbo S5 DR46	Shell Turbo S5 DR46			B	-	-	-	B
Silane	Silano	SiH <sub>4</sub>	7803-62-5	-	-	-	-	B
Silicate	Silicati			B	-	-	-	-
Silicon Grease-Oil	Silicone Grasso - Olio			B	B	B	-	-



THERMOPLASTIC TUBING AND HOSES



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Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Silicon Oil	<i>Olio di Silicone</i>			B	-	-	-	-
Silicon Tetrachloride	<i>Tetracloruro di silicio</i>	SiCl <sub>4</sub>	10026-04-7	N	-	-	-	B
Silicon Tetrafluoride	<i>Tetrafluoruro di silicio</i>	SiF <sub>4</sub>	7783-61-1	N	-	-	-	B
Silver Nitrate	<i>Nitrato d'Argento</i>	AgNO <sub>3</sub>	7761-88-8	-	-	-	B	B
Silver Salt	<i>Sali d'Argento</i>			B	-	-	-	-
Sikasil SG-500	<i>Sikasil SG-500</i>			-	-	-	-	B
Skydrol 500B	<i>Skydrol 500B</i>			B	B	N	B	B
Skydrol HyJet IV-A plus (+60°C)	<i>Skydrol HyJet IV-A plus (+60°C)</i>			B	B	N	B	B
Skydrol LD4	<i>Skydrol LD4</i>			B	B	N	B	B
Soap Solution	<i>Sapone Soluzione</i>			B	B	-	-	B
Sodium Bicarbonate	<i>Bicarbonato di Sodio</i>	NaHCO <sub>3</sub>	144-55-8	B	-	-	B	B
Sodium Borate Solution	<i>Borace soluzione</i>			-	B	-	-	-
Sodium Carbonate 50%	<i>Carbonato di Sodio 50%</i>			B	-	-	-	-
Sodium Chlorate 25%	<i>Clorato di Sodio 25%</i>			B	-	-	-	-
Sodium Chloride	<i>Cloruro di Sodio</i>	NaCl		B	B	B	B	B
Sodium Hydroxide 10%	<i>Idrossido di Sodio 10%</i>	NaOH	1310-73-2	B	N	N	B	B
Sodium Hydroxide 50%	<i>Idrossido di Sodio 50%</i>	NaOH	1310-73-2	O	N	N	B	B
Sodium Hydroxide 100%	<i>Idrossido di Sodio 100%</i>	NaOH	1310-73-2	O	N	N	B	B
Sodium Hypochlorite 10%	<i>Ipoclorito di Sodio 10%</i>	NaOCl	7681-52-9	OG	-	-	B	B
Sodium Hypochlorite 20%	<i>Ipoclorito di Sodio 20%</i>	NaOCl	7681-52-9	N	-	N	B	B
Sodium Metasilicate	<i>Metasilicato di Sodio (Silicato di sodio)</i>		6834-92-0	B	B	B	-	B
Sodium Nitrate	<i>Nitrato di Sodio</i>	NaNO <sub>3</sub>	7631-99-4	B	-	B	-	B
Sodium Sulphate	<i>Solfato di Sodio</i>			B	-	-	-	-
Sodium Sulphide	<i>Solfuro di Sodio</i>			B	-	-	-	-
Sodium Sulphite	<i>Solfito di Sodio</i>			B	-	B	-	-
Sodium Thiosulphate	<i>Tiosolfato di Sodio</i>			B	-	-	-	-
Solcenic 801D	<i>Solcenic 801D</i>			B	N	-	-	B
Starch	<i>Amido</i>			B	-	-	-	-
Stearin	<i>Stearina</i>			B	-	-	-	-
Steric Acid	<i>Acido Stearico</i>	C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	57-11-4	B	O	-	-	B
Styrene	<i>Stirene</i>			B	N	-	-	B
Succinic Acid	<i>Acido Succinico</i>	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	110-15-6	B	-	-	-	-
Sugar	<i>Zucchero</i>			-	-	-	B	B
Sulfamic Acid	<i>Acido Solfammico</i>	H <sub>3</sub> SNO <sub>3</sub>	5329-14-6	N	N	N	-	B
Sulfated Ester	<i>Estere Solforico</i>			B	-	-	-	-
Sulfur Dioxide	<i>Anidride Solforosa</i>	SO <sub>2</sub>	7446-09-5	N	N	-	N	B
Sulfur Hexafluoride	<i>Esafuoruro di zolfo</i>	SF <sub>6</sub>	2551-62-4	B	-	-	-	B
Sulfur Tetrafluoride	<i>Tetrafluoruro di Zolfo</i>	SF <sub>4</sub>	7783-60-0	B	-	-	-	B
Sulfuric Acid 10%	<i>Acido Solfurico 10%</i>	H <sub>2</sub> SO <sub>4</sub>	7664-93-9	B	B	O	B	B
Sulfuric Acid 30%	<i>Acido Solfurico 30%</i>	H <sub>2</sub> SO <sub>4</sub>	7664-93-9	O	-	-	B	B
Sulfuric Acid 98%	<i>Acido Solfurico 98%</i>	H <sub>2</sub> SO <sub>4</sub>	7664-93-9	-	-	-	-	B
Sulphur	<i>Zolfo fuso</i>	Sn		B	O	-	-	B
Synthetic Detergents	<i>Detergenti Sintetici</i>			B	O	-	-	-

T								
Tallow	<i>Sego</i>			B	-	-	-	-
Tannic Acid 10%	<i>Acido Tannico 10%</i>	C <sub>76</sub> H <sub>52</sub> O <sub>46</sub>	1401-55-4	-	B	-	-	B
Tanning Extracts	<i>Estratti di conca</i>			-	-	-	B	-
Tartaric Acid	<i>Acido Tartarico</i>	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	526-83-0	B	O	-	-	B
t-Butyl Mercaptan (TBM)	<i>ter-butil mercaptano (TBM)</i>	C <sub>4</sub> H <sub>10</sub> S	75-66-1	-	-	-	-	B
Tetraethyl Lead	<i>Piombo Tetraetile</i>	C <sub>8</sub> H <sub>20</sub> Pb	78-00-2	B	-	-	-	-
Telene® 16XX/26XX A	<i>Telene® 16XX/26XX A</i>			N	N	N	N	B
Telene® 16XX/26XX B	<i>Telene® 16XX/26XX B</i>			N	N	N	N	B
Tensio Caustic Spray Gel	<i>Tensio Caustic Spray Gel</i>			N	N	N	B	B
Tetrachloroethylene	<i>Tetracloroetilene</i>	Cl <sub>2</sub> CCCl <sub>2</sub>	127-18-4	O	N	N	-	B
Tetrafluoroethylene	<i>Tetrafluoroetilene</i>	C <sub>2</sub> F <sub>4</sub>	116-14-3	-	-	-	-	B
Tetrafluoromethane (R14)	<i>Tetrafluorometano (R14)</i>	CF <sub>4</sub>	75-73-0	B	-	-	-	B
Tetrahydrofuran	<i>Tetraidrofurano</i>	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	109-99-9	B	O	N	-	-

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Tetrahydronaphthelene	<i>Tetraidronaftalina</i>			B	-	-	-	-
Tetrahydrothiophene	<i>Tetraidrotiofene</i>	C <sub>4</sub> H <sub>8</sub> S	110-01-0	-	-	-	-	B
Tetralin	<i>Tetralina</i>	C <sub>10</sub> H <sub>12</sub>	119-64-2	B	-	-	-	-
Thiocarbonate	<i>Tiocarbonato</i>			B	-	-	-	-
Thiophene	<i>Tiofene</i>	C <sub>4</sub> H <sub>4</sub> S	110-02-1	B	-	-	-	-
Tin Chloride	<i>Cloruro di Stagno</i>	SnCl <sub>2</sub>	7772-99-8	B	-	-	-	-
Titanium Tetrachloride	<i>Tetracloruro di Titanio</i>	TiCl <sub>4</sub>	7550-45-0	N	-	-	-	-
Toluene	<i>Toluene</i>	C <sub>7</sub> H <sub>8</sub>	108-88-3	B	-	N	N	B
Toluene Diisocyanate (TDI)	<i>Toluene Diisocianato (TDI)</i>		26471-62-5	N	N	N	N	B
Toluol	<i>Toluolo</i>	C <sub>7</sub> H <sub>8</sub>		B	O	-	-	-
Total Hydransafe HFDU 46	<i>Total Hydransafe HFDU 46</i>			B	N	-	-	B
Total Hydransafe FR-NSG 38	<i>Total Hydransafe FR-NSG 38</i>			N	N	N	N	B
Transformer Oil	<i>Olio da trasformatore</i>			B	-	-	-	B
Tributyl Phosphate	<i>Tributilfosfato</i>	C <sub>12</sub> H <sub>27</sub> O <sub>4</sub> P	126-73-8	B	-	-	-	B
Trichloroethylene	<i>Tricloroetilene</i>	C <sub>2</sub> HCl <sub>3</sub>	79-01-6	OG	N	N	N	B
Trichloroethane	<i>Tricloroetano</i>	C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	71-55-6	O	-	N	-	-
Trichlorofluoromethane (R11)	<i>Triclorofluorometano (R11)</i>	CCl <sub>3</sub> F	75-69-4	B	B	-	-	O
Trichlorosilane	<i>Triclorosilano</i>	HCl <sub>3</sub> Si	10025-78-2	N	-	-	-	B
Trichlorotrifluoroethane	<i>Triclorotrifluoroetano</i>	C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	354-58-5	-	-	-	-	B
Triethanolamine	<i>Trietanolamina</i>		102-71-6	B	N	-	-	B
Triethyl Phosphate	<i>Trietilfosfato</i>	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> PO <sub>4</sub>	70-40-0	-	-	-	-	B
Triethylene Glycol (TEG)	<i>Glicole Trietilenico (TEG)</i>	C <sub>6</sub> H <sub>14</sub> O <sub>4</sub>	112-27-6	-	-	O	-	-
Trifluoroethane	<i>Trifluoretano</i>	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	420-46-2	-	-	-	-	B
Trifluoromethane (Fluoroform) (R23)	<i>Trifluorometano (Fluoroformio) (R23)</i>	CHF <sub>3</sub>	75-46-7	B	B	-	-	B
Trimethylamine	<i>Trimetilamina</i>	C <sub>3</sub> H <sub>9</sub> N	75-50-3	N	-	-	-	B
Trisodium Phosphate	<i>Fosfato Trisodico</i>	Na <sub>3</sub> PO <sub>4</sub>	7601-54-9	B	B	-	-	-
Trycresil Phosphate	<i>Tricresilfosfato</i>	C <sub>21</sub> H <sub>21</sub> O <sub>4</sub> P	1330-78-5	B	-	-	-	-
Tungsten Hexafluoride	<i>Esafuoruro di tungsteno</i>	WF <sub>6</sub>	7783-82-6	-	-	-	-	B

U								
Ultrasafe 620	<i>Ultrasafe 620</i>			B	N	-	-	B
UniOpal Hydro Bio 46	<i>UniOpal Hydro Bio 46</i>			B	N	O	-	B
Urea	<i>Urea</i>	CH <sub>4</sub> N <sub>2</sub> O	57-13-6	B	N	O	-	B
Uric Acid	<i>Acido Urico</i>	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> O <sub>3</sub>	69-93-2	B	-	-	-	-
Urine	<i>Urina</i>			-	-	-	B	-

V								
Valspar WB UV Cleaning Solution	<i>Valspar WB UV Cleaning Solution</i>			B	-	-	-	B
Varioclean S 4306 (50°C)	<i>Varioclean S 4306 (50°C)</i>			BG	-	-	-	B
Vaseline	<i>Vaselina</i>			B	-	-	-	-
Vegetable Oil	<i>Olio Vegetale</i>			B	-	B	-	B
Vinegar	<i>Aceto</i>			-	-	-	B	-
Vinyl Acetate	<i>Vinilacetato</i>	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	108-05-4	-	-	N	-	B
Vinyl Bromide	<i>Bromuro di Vinile</i>	C <sub>2</sub> H <sub>3</sub> Br	593-60-2	-	-	-	-	B
Vinyl Chloride	<i>Cloruro di Vinile</i>	C <sub>2</sub> H <sub>3</sub> Cl	75-01-4	B	-	-	-	B
Vinyl Fluoride	<i>Fluoruro di Vinile</i>	C <sub>2</sub> H <sub>3</sub> F	75-02-5	-	-	-	-	B
Vinyl Paints	<i>Vernici Viniliche</i>			-	-	-	O	B

W								
Fresh Water (40°C)	<i>Acqua dolce (40°C)</i>			B	B	B	B	B
Fresh Water (50°C)	<i>Acqua dolce (50°C)</i>			B	O	-	-	B
Fresh Water (70°C)	<i>Acqua dolce (70°C)</i>			O	N	-	-	B
Demineralized water	<i>Acqua demineralizzata</i>			B	O	B	B	B
Water + CO2	<i>Acqua + CO2</i>			B	O	-	-	B
Water Vapour	<i>Vapore Acqueo</i>			N	N	N	BO	B
Whisky	<i>Whisky</i>			-	-	-	B	B
White Spirit (Stoddard Solvent or Mineral Spirit)	<i>Spirito Bianco (solvente di Stoddard o Acquaragia)</i>			B	B	B	B	B
Wine	<i>Vino</i>			-	-	-	B	B

Chemical Compound	Composto chimico	Formula	CAS	PA	HTR	PU	PE	PTFE
Wynn's Dry Fuel	<i>Wynn's Dry Fuel</i>			B	-	-	-	B
Wynn's Dry Fuel System Cleaner Plus	<i>Wynn's Dry Fuel System Cleaner Plus</i>			B	-	-	-	B
<b>X</b>								
Xenon	<i>Xeno</i>	Xe	7440-63-3	B	-	-	-	B
Xylene	<i>Xilene (Xilolo, Dimetilbenzene)</i>	C <sub>8</sub> H <sub>10</sub>	1330-20-7	B	O	N	O	-
<b>Y</b>								
Yeasts	<i>Lieviti</i>			-	-	-	B	-
<b>Z</b>								
Zenith Acquasolve	<i>Zenith Acquasolve</i>			B	-	-	-	-
Zinc Chloride	<i>Cloruro di Zinco</i>	ZnCl <sub>2</sub>	7646-85-7	B	B	-	-	B
Zinc Salts	<i>Sali di Zinco</i>			B	-	-	-	-
Zinc Sulphate	<i>Solfato di Zinco</i>	ZnSO <sub>4</sub>	7733-02-0	-	-	-	B	B
Zinc Sulphide	<i>Solfuro di Zinco</i>	ZnS	1314-98-3	B	-	-	-	-

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