



BR528T YL

Tychem® 9000

杜邦™ Tychem® 9000 全封闭B级防护服。后背突起，后开口。标准面屏，单层: 20milPVC。手腕处弹性收口。连袜，带裤管门襟。尼龙搭扣式双层门襟。双透气孔。胶条接缝。黄色。

名称	描述
完整部件号	BR528TYLxx0001yy (xx=size;yy=option code)
面料或材料	Tychem® 9000
设计	全封闭B级防护服，背部凸起，后部进入。
接缝	贴条
彩色	黄色
尺寸	SM,MD,LG,XL,2X,3X,4X
数量/箱	每箱1件

特点和产品详情

杜邦™ Tychem® 9000 经过大量的面料渗透防护测试，可提供大范围的化学品保护。Tychem® 9000系列面料对所测试的280种化学品，提供至少30分钟的防护。Tychem® 9000系列防护服具备出色的化学品防护特性，其面料极度耐用，具备防刺穿、防撕裂、质量轻等特点。Tychem® 9000系列防护服是为了更好的舒适性以及灵活性设计的。高可见度黄色。

- 采用全封闭设计，为处于液体飞溅和蒸气/气体暴露环境中的用户及其呼吸设备提供防护
- 另提供高空液体飞溅防护（不提供蒸气防护）
- 贴条接缝，以防止大量液体喷溅物渗入；通过热封对接缝用防化贴条密封
- 采用后入式设计，门襟不与正面化学品发生直接接触，不需脱下防护服即可更换自给式呼吸器上的气瓶
- 后背突起，以容纳自携式空气呼吸器（SCBA）
- 覆盖在拉链上的拉链门襟可用结实的钩扣紧固，以避免拉链被渗透
- 弹性袖口开口收紧设计
- 采用与防护服相同材料的一体式袜子
- 连体门襟覆盖靴子收口，以降低液体进入的可能性
- 标准20 mil PVC面罩

完成尺寸

尺寸	袖长	胸宽	内接缝	适合胸部	适合身高	靴长	靴子高度	男鞋	女鞋	内层手套尺寸	外层手套尺寸	身体长度	体宽	腕部开口	短袖	腰部开口
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SM	28 1/4	29 1/4	29 3/4	45 1 /4 - 48 3/4	5'0" - 5'9"	12 3/4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MD	28 1/4	29 1/4	29 3/4	45 1 /4 - 48 3/4	5'0" - 5'9"	12 3/4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LG	29 1/4	30	30 3/4	46 3 /4 - 50 1/4	5'9" - 6'3"	13 1/2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
XL	29 1/4	30	30 3/4	46 3 /4 - 50 1/4	5'9" - 6'3"	13 1/2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2X	30 3/4	31 1/2	32 1/2	49 3 /4 - 53 1/4	6'3" - 6'5"	14 1/4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3X	30 3/4	31 1/2	32 1/2	49 3 /4 - 53 1/4	6'3" - 6'5"	14 1/4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4X	32 3/4	33	34 1/4	52 3 /4 - 56 1/4	6'5" - 6'7"	15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

需要的附加装备

- 存在窒息风险。穿上全封闭式防护服后，必须佩戴合适的开路自给式呼吸器（SCBA）或长管呼吸器。
- 必须佩戴适用的开路自给式呼吸器（SCBA）或长管呼吸器,且头罩覆盖范围应超过锁骨。
- 根据危害评估，穿戴其他合适的个人防护设备（PPE），包括但不限于呼吸器、眼部、头部、手部、足部防护设备等。
- 穿上连袜后需在外面穿上一双合适的鞋子。本防护服为连袜防护服，袜子材质与服装材质相同。但这种袜子耐磨性和防滑性不够，因此不适合当作鞋来外穿。
- 请阅读、理解并遵守Tychem®用户手册。
- 请阅读、理解并遵守Tychem®用户手册。

可用选项

选项代 码	描 述	尺寸	部件 号
00	00	SM,MD,LG,XL,2X,3X,4X	

物理性能



与杜邦防化服面料机械性能相关的数据。若适用，选定服装的物理性能将根据测试方法和相关欧洲标准列出。抗磨损、抗挠裂、抗拉伸和抗穿刺等物理性能有助于进行防护性能评估。

属性	测试方法	典型结果	EN
克重	ASTM D3776	7.4 oz/yd2	N/A
厚度	ASTM D1777	18 mils	N/A
拉伸强度-抓样(纬向)	ASTM D5034	84 lbf	N/A
拉伸强度-抓样(经向)	ASTM D5034	84 lbf	N/A
撕裂强度(纬向)	ASTM D5597	22 lbf	N/A
撕裂强度(经向)	ASTM D5597	26 lbf	N/A
服装可燃性	16 CFR 1610	Class 1	N/A
顶破强度-球形	ASTM D751	79 lbf	N/A

1 按 EN 14325 2 按照 EN 14126 3 按照 EN 1073-2 4 按照 EN 14116 12 根据EN 11612 5 前Tyvek® / 后 6 基于 ASTM D-572 的测试 7 查看“使用说明”了解更多信息、限制和警告 > 大于 < 小于 N/A 不适用 STD DEV 标准偏差

警告

- 本文中提供的信息与在其发布之日杜邦发布的关于该主题的信息一致。因为增加了新的知识和经验，该信息可能需要修订。所提供的数据在正常的产品特性范围内，并且仅与指定的特定材料有关；除非另有明确说明，否则这些数据可能并不适用于与任何其他材料或添加剂一同使用或在任何工艺中使用的此类材料。所提供的数据不得用于确定规格界限或单独用作设计的基础；不得用于替代您可能需要进行的任何用来确定某种特殊材料是否符合您的特定用途的测试。杜邦无法预测所有的实际最终使用条件，因此对于任何使用该信息的情况，杜邦不作任何保证且不承担任何责任。本出版物中的任何内容不得视为享有任何专利权的运营许可或侵犯任何专利权的建议。
- 该防护服/面料不具有阻燃性，应远离热源、火焰、火花或潜在的易燃环境。
- 该防护服不适用于对电离辐射的防护。

渗透数据



渗透是指固态、液态、气态化学物质以分子形式渗入防护服面料的过程。渗透数据有助于根据不同用途选择最合适的防护服和估算防护服安全穿着的有效期。采用标准测试方法判定杜邦材料的防渗性能，可根据特定化学品、化学类别或面料选则适用的防渗性能。

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Acetaldehyde	Liquid	75-07-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Acetic acid (>95%)	Liquid	64-19-7	352	352	>480	6	0.369	0.0097			
Acetic acid 2 ethoxy ethyl ester	Liquid	111-15-9	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Acetic acid 2 methoxy ethyl ester	Liquid	110-49-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Acetic acid ethenyl ester	Liquid	108-05-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Acetic acid ethyl ester	Liquid	141-78-6	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Acetic acid pentyl ester	Liquid	628-63-7	>480	>480	>480	6	<0.003	0.003	<1.4	>480	6
Acetic anhydride	Liquid	108-24-7	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Acetic chloride	Liquid	75-36-5		>480	>480	6	<0.0126	0.0126			
Acetone	Liquid	67-64-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Acetone cyanohydrin	Liquid	75-86-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Acetonitrile	Liquid	75-05-8	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Acetyl chloride	Liquid	75-36-5		>480	>480	6	<0.0126	0.0126			
Acroleic acid	Liquid	79-10-7	270	270			1.577	0.01			
Acrolein	Liquid	107-02-8	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Acryl amide (50%)	Liquid	79-06-1	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Acrylic acid	Liquid	79-10-7	270	270			1.577	0.01			
Acrylic acid ethyl ester	Liquid	140-88-5	14	14			90.8	0.01			
Acrylic acid n-butyl ester	Liquid	141-32-2		51	51	2	18.4	0.01			
Acrylic amide (50%)	Liquid	79-06-1	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Acrylonitrile	Liquid	107-13-1	>480	>480	>480	6	<0.0003	0.0003			
Adipic acid dinitrile	Liquid	111-69-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Adipic acid nitrile	Liquid	111-69-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Adiponitrile	Liquid	111-69-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Adipyl dinitrile	Liquid	111-69-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Allyl alcohol	Liquid	107-18-6	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Allyl chloride	Liquid	107-05-1	>480	>480	>480	6	<0.06	0.06	<28.8	>480	6
Amido sulfonic acid (15%)	Liquid	5329-14-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Amino 2-methylpropane, 2-	Liquid	75-64-9	>480	>480	>480	6	<0.03	0.03	<14.4	>480	6
Amino 3,4-dichlorobenzene, 1-	Solid	95-76-1	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Amino 3,4-dichlorobenzene, 1- (70 °C, molten)	Liquid	95-76-1	128* /216	216* /284			2.4	0.001			
Amino benzene	Liquid	62-53-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Amino ethanol, 2-	Liquid	141-43-5	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Amino ethylethanolamine	Liquid	111-41-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Amino ethylethanolamine (60%)	Liquid	111-41-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Amino ethylpiperazine	Liquid	140-31-8	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Amino propane, 2-	Liquid	75-31-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Ammonia (gaseous)	Vapor	7664-41-7		105* /133			5.967	0.0101			
Ammonium fluoride (40%)	Liquid	12125-01-8		>480	>480	6	<0.1	0.01			
Ammonium hydroxide (28% - 30%)	Liquid	1336-21-6	60*/80	160			11.3	0.1			
Amyl acetate, n-	Liquid	628-63-7	>480	>480	>480	6	<0.003	0.003	<1.4	>480	6
Amyl ester acetic acid	Liquid	628-63-7	>480	>480	>480	6	<0.003	0.003	<1.4	>480	6
Aniline	Liquid	62-53-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Arsine	Vapor	7784-42-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Aziridine	Liquid	151-56-4	59	59	>480	6	0.281	0.01			
Azolidine	Liquid	123-75-1	407	413			9.2	0.012			
Benzenamine	Liquid	62-53-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Benzene	Liquid	71-43-2	>480	>480	>480	6	<0.0008	0.0008	<0.48	>480	6
Benzene carbonyl chloride	Liquid	98-88-4	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Benzene sulfone chloride	Liquid	98-09-9	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Benzene sulfonyl chloride	Liquid	98-09-9	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Benzene thiol	Liquid	108-98-5	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Benzidine (25% in Methanol)	Liquid	92-87-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Benzo nitrile	Liquid	100-47-0	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Benzoyl chloride	Liquid	98-88-4	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Benzyl chloride	Liquid	100-44-7	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Biphenyl -4,4'-diamine, 1,1'- (25% in Methanol)	Liquid	92-87-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Bis (4-(2,3-epoxypropoxy)phenyl) propane	Liquid	1675-54-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Bis phenol A diglycidyl ether	Liquid	1675-54-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Black Liquor (mix)	Liquid	mix	>480	>480	>480	6	<0.1	0.1	<48	>480	6

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Boron trichloride	Vapor	10294-34-5		>480	>480	6	<0.1	0.00118			
Boron trifluoride	Vapor	7637-07-2	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Bromine	Liquid	7726-95-6	imm	imm	imm		517	0.31			
Bromo 4-fluorobenzene, 1-	Liquid	460-00-4	>480	>480	>480	6	<0.0013	0.0013	<0.6	>480	6
Bromo fluorobenzene, 4-	Liquid	460-00-4	>480	>480	>480	6	<0.0013	0.0013	<0.6	>480	6
Bromo methane	Vapor	74-83-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Butadiene, 1,3- (gaseous)	Vapor	106-99-0	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Butanal, n-	Liquid	123-72-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Butanol, 1-	Liquid	71-36-3	>480	>480	>480	6	<0.002	0.002	<1	>480	6
Butanol, n-	Liquid	71-36-3	>480	>480	>480	6	<0.002	0.002	<1	>480	6
Butanone	Liquid	78-93-3	>480	>480	>480	6	<0.0067	0.0067	<3.2	>480	6
Butanone oxime, 2-	Liquid	96-29-7	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Butenal, 2-	Liquid	123-73-9		>480	>480	6	<0.1	0.006			
Butyl acetate, n-	Liquid	123-86-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Butyl acrylate, n-	Liquid	141-32-2		51	51	2	18.4	0.01			
Butyl alcohol, n-	Liquid	71-36-3	>480	>480	>480	6	<0.002	0.002	<1	>480	6
Butyl amine	Liquid	109-73-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Butyl amine, tert-	Liquid	75-64-9	>480	>480	>480	6	<0.03	0.03	<14.4	>480	6
Butyl ether, n-	Liquid	142-96-1	228*/396	>480	>480	6	0.001	0.001			
Butyraldehyde, n-	Liquid	123-72-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Carbon disulfide	Liquid	75-15-0	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Carbon monoxide	Vapor	630-08-0	330	330	>480	6	0.1	0.1			
Carbon tetrachloride	Liquid	56-23-5	>480	>480	>480	6	<0.015	0.015	<7.2	>480	6
Carbon tetrafluoride	Vapor	75-73-0	>480	>480	>480	6	<0.0177	0.0177	<8.5	>480	6
Caustic ammonia (28% - 30%)	Liquid	1336-21-6	60*/80	160			11.3	0.1			
Caustic soda (50%)	Liquid	1310-73-2	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Cellosolve acetate	Liquid	110-80-5	>480	>480	>480	6	<0.008	0.008	<3.8	>480	6
Chlor allylene	Liquid	107-05-1	>480	>480	>480	6	<0.06	0.06	<28.8	>480	6
Chlordane (60-75%)	Liquid	57-74-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Chlorine (gaseous)	Vapor	7782-50-5	>480	>480	>480	6	<0.05	0.05	<24	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Chlorine sulfide (80%)	Liquid	10545-99-0	70	70				0.1			
Chlorine trifluoride	Vapor	7790-91-2	45	45	45	2	96	0.1			
Chloro -1,2-propanediol, 3-	Liquid	96-24-2		>480	>480	6	<0.0142	0.0142			
Chloro 1-methylbenzene, 2-	Liquid	95-49-8	>480	>480	>480	6	<0.0001	0.0001	<0.04	>480	6
Chloro 2,3-epoxy propane, 1-	Liquid	106-89-8	>480	>480	>480	6	<0.014	0.014	<6.7	>480	6
Chloro acetic acid (80%)	Liquid	79-11-8		>480	>480	6	<0.01	0.01			
Chloro acetyl chloride	Liquid	79-04-9	160	160	170	4	23.2	0.1			
Chloro aniline, p-	Solid	106-47-8	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Chloro aniline, p- (70 °C, molten)	Liquid	106-47-8	272	272* /323	355	5	9.4	0.001			
Chloro benzenamine, 4-	Solid	106-47-8	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Chloro benzenamine, 4- (70 °C, molten)	Liquid	106-47-8	272	272* /323	355	5	9.4	0.001			
Chloro benzene	Liquid	108-90-7	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Chloro ethanol, 2-	Liquid	107-07-3	>480	>480	>480	6	<0.0082	0.0082	<3.9	>480	6
Chloro ethene	Vapor	75-01-4	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Chloro form	Liquid	67-66-3	>480	>480	>480	6	<0.0037	0.0037	<1.7	>480	6
Chloro methyl methyl ether	Liquid	107-30-2	305	>480	>480	6	0.03	0.001			
Chloro phenol, p- (sat in Methanol)	Liquid	106-48-9	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Chloro prene, 3-	Liquid	107-05-1	>480	>480	>480	6	<0.06	0.06	<28.8	>480	6
Chloro toluene, alpha-	Liquid	100-44-7	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Chloro toluene, o-	Liquid	95-49-8	>480	>480	>480	6	<0.0001	0.0001	<0.04	>480	6
Chlorsulfonic acid	Liquid	7790-94-5	180	180			98.4	0.1			
Chromic acid (CrO3) (44.9%)	Liquid	1333-82-0	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Cresols, mixed isomers	Liquid	1319-77-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Cresylic acid	Liquid	1319-77-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Croton aldehyde	Liquid	123-73-9		>480	>480	6	<0.1	0.006			
Crude oil, California	Liquid	8002-05-9	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Cumene	Liquid	98-82-8	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Cyanide chloride (20% in Toluene)	Liquid	108-77-0	>480	>480	>480	6	<0.10	0.1	<48	>480	6
Cyanobenzene	Liquid	100-47-0	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Cyanoethylene	Liquid	107-13-1	>480	>480	>480	6	<0.0003	0.0003			

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Cyanomethane	Liquid	75-05-8	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Cyanopropan-2-ol, 2-	Liquid	75-86-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Cyclo hexane	Liquid	110-82-7		>480	>480	6	<0.0028	0.0028	<1.3	>480	6
Cyclo hexanone	Liquid	108-94-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
DEHP	Liquid	117-81-7	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Diaminobiphenyl, 4,4'- (25% in Methanol)	Liquid	92-87-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Diaminodiphenyl, p- (25% in Methanol)	Liquid	92-87-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Diaminodiphenylmethane, 4,4'- (15% in Methyl Ethyl Ketone)	Liquid	101-77-9	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Diaminoethane, 1,2-	Liquid	107-15-3	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Diborane (10%)	Vapor	19287-45-7		>480	>480	6	<0.1	0.0045			
Dibromoethane, 1,2-	Liquid	106-93-4	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Dichlorbenzen, 1,2-	Liquid	95-50-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Dichlorbenzen, 1,3-	Liquid	541-73-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Dichlorbenzen, 1,4- (50% in Ethanol)	Liquid	106-46-7	251	>480	>480	6	<0.02	0.005	<0.9	>480	6
Dichlorethane, 1,2.-	Liquid	107-06-2	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Dichloro -4,4'-methylenedianiline, 2,2'- (sat in Methanol)	Liquid	101-14-4	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Dichloro -6-isopropyl-S-triazine, 2,4- (22% in Toluene)	Liquid	30894-74-7	>480	>480	>480	6	<0.10	0.1	<48	>480	6
Dichloro acetyl chloride	Liquid	79-36-7	100	100	110	3	20.5	0.01			
Dichloro aniline, 3,4-	Solid	95-76-1	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Dichloro aniline, 3,4- (70 °C, molten)	Liquid	95-76-1	128* /216	216* /284			2.4	0.001			
Dichloro ethyl ether	Liquid	111-44-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Dichloro ethylene, 1,1-	Liquid	75-35-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Dichloro methane	Liquid	75-09-2	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Dichloro propene, 2,3-	Liquid	78-88-6	>480	>480	>480	6	<0.0081	0.0081	<3.8	>480	6
Dichloro silane	Vapor	4109-96-0	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Dicyanobutane, 1,4-	Liquid	111-69-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Diesel fuel	Liquid	68334-30-5	>480	>480	>480	6	<0.03	0.03	<14.4	>480	6
Diethyl amine	Liquid	109-89-7	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Diethyl aniline, N,N-	Liquid	91-66-7	>480	>480	>480	6	<0.024	0.024	<11.5	>480	6
Diethyl benzene (95%)	Liquid	25340-17-4	>480	>480	>480	6	<0.022	0.022	<10.6	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Diethyl ethanamine, N,N-	Liquid	121-44-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Diethyl ether	Liquid	60-29-7	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Diethyl hexyl phthalate	Liquid	117-81-7	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Diethylene imide oxide	Liquid	110-91-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Diethylene triamine	Liquid	111-40-0	>480	>480	>480	6	<0.0166	0.0166	<8	>480	6
Diiodo-1,1,2,2-tetrafluorobutane, 1,4-	Liquid	755-95-3		>480							
Dimethyl acetamide, N,N-	Liquid	127-19-5	>480	>480	>480	6	<0.006	0.006	<2.9	>480	6
Dimethyl aniline, N,N-	Liquid	121-69-7	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Dimethyl formamide, N,N-	Liquid	68-12-2	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Dimethyl hydrazine, N,N-	Liquid	57-14-7		>480 ₈							
Dimethyl ketal	Liquid	67-64-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Dimethyl ketone	Liquid	67-64-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Dimethyl phenylamine, N,N-	Liquid	121-69-7	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Dimethyl sulfate	Liquid	77-78-1	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Dimethyl sulfoxide	Liquid	67-68-5	164* /372	>480	>480	6	0.003	0.001	<14.4	>480	6
Dinitro-o-cresol, 4,6- (sat in Methanol)	Liquid	534-52-1	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Dinitrocresol (sat in Methanol)	Liquid	534-52-1	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Dioxane, 1,4-	Liquid	123-91-1	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Diphenyl methane diisocyanate, 4,4'-	Solid	101-68-8	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Diphenyl methane diisocyanate, 4,4'- (50 °C, molten)	Liquid	101-68-8	>480	>480	>480	6	<0.0403	0.0403	<19.3	>480	6
Disodium sulfide (60% (slurry))	Liquid	1313-82-2		>480	>480	6	<0.1	0.052			
Disulphur dichloride	Liquid	10025-67-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Epichlorohydrin	Liquid	106-89-8	>480	>480	>480	6	<0.014	0.014	<6.7	>480	6
Epoxy ethane (0 °C, liquid)	Liquid	75-21-8	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Epoxy ethane (gaseous)	Vapor	75-21-8	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Epoxy propane, 1,2-	Liquid	75-56-9	>480	>480	>480	6	<0.0016	0.0016	<0.7	>480	6
Ethane 1,2-diol	Liquid	107-21-1		>480	>480	6	<0.1	0.014			
Ethane dioic acid (10.5%)	Liquid	144-62-7	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Ethane diol dipropanoate, 1,2-	Liquid	123-73-9		>480	>480	6	<0.1	0.006			
Ethane nitrile	Liquid	75-05-8	>480	>480	>480	6	<0.05	0.05	<24	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Ethane thiol	Liquid	75-08-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Ethane trichloride	Liquid	79-00-5	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Ethanol amine	Liquid	141-43-5	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Ethanoyl chloride	Liquid	75-36-5		>480	>480	6	<0.0126	0.0126			
Ethoxy ethanol, 2-	Liquid	110-80-5	>480	>480	>480	6	<0.008	0.008	<3.8	>480	6
Ethoxy ethylacetat	Liquid	111-15-9	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Ethyl Cellosolve®	Liquid	110-80-5	>480	>480	>480	6	<0.008	0.008	<3.8	>480	6
Ethyl acetate	Liquid	141-78-6	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Ethyl acrylate	Liquid	140-88-5	14	14			90.8	0.01			
Ethyl amine (15 °C, liquid)	Liquid	75-04-7	361	361	417	5	1.49	0.05			
Ethyl benzene	Liquid	100-41-4	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Ethyl ethanamine, N-	Liquid	109-89-7	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Ethyl ether	Liquid	60-29-7	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Ethyl glycol acetate	Liquid	111-15-9	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Ethyl mercaptan	Liquid	75-08-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Ethyl nitrile	Liquid	75-05-8	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Ethyl parathion	Liquid	56-38-2	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Ethylene carboxylic acid	Liquid	79-10-7	270	270			1.577	0.01			
Ethylene chlorohydrin	Liquid	107-07-3	>480	>480	>480	6	<0.0082	0.0082	<3.9	>480	6
Ethylene diamine	Liquid	107-15-3	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Ethylene dibromide	Liquid	106-93-4	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Ethylene dichloride	Liquid	107-06-2	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Ethylene glycol	Liquid	107-21-1		>480	>480	6	<0.1	0.014			
Ethylene glycol mono ethyl ether acetate	Liquid	111-15-9	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Ethylene glycol monoethyl ether	Liquid	110-80-5	>480	>480	>480	6	<0.008	0.008	<3.8	>480	6
Ethylene glycol monomethyl ether	Liquid	109-86-4	>480	>480	>480	6	<0.005	0.005	<4.8	>480	6
Ethylene glycol monomethyl ether acetate	Liquid	110-49-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6

Ethylene imine	Liquid	151-56-4	59	59	>480	6	0.281	0.01			
Ethylene oxide (0 °C, liquid)	Liquid	75-21-8	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Ethylene oxide (gaseous)	Vapor	75-21-8	>480	>480	>480	6	<0.05	0.05	<24	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Ethylene tetrachloride	Liquid	127-18-4	>480	>480			0.05				
Ethylene trichloride	Liquid	79-01-6	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Fluorobenzene	Liquid	462-06-6	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Fluorosilicic acid (33-35%)	Liquid	16961-83-4	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Fluorosulfonic acid	Liquid	7789-21-1	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Formaldehyde (100 ppm)	Vapor	50-00-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Formalin (100 ppm)	Vapor	50-00-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Formalin (37% (10-15% Methanol))	Liquid	50-00-0	>480	>480	>480	6	<0.0048	0.0048	<2.3	>480	6
Formic acid (>95%)	Liquid	64-18-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Furaldehyde, 2-	Liquid	98-01-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Furfural	Liquid	98-01-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Gasoline, unleaded	Liquid	86290-81-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Glutaral (5%)	Liquid	111-30-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Glutaral (50%)	Liquid	111-30-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Glutaraldehyde (5%)	Liquid	111-30-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Glutaraldehyde (50%)	Liquid	111-30-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Glycol alcohol	Liquid	107-21-1		>480	>480	6	<0.1	0.014			
Glycol chlorohydrin	Liquid	107-07-3	>480	>480	>480	6	<0.0082	0.0082	<3.9	>480	6
Glycolic acid (sat)	Liquid	79-14-1	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Green Liquor (mix)	Liquid	mix	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Hexachloro butadiene	Liquid	87-68-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Hexachloro cyclohexane, 1,2,3,4,5,6- (sat in Acetone)	Liquid	58-89-9	>480	>480	>480	6	<0.06	0.06	<28.8	>480	6
Hexafluoro ethane	Vapor	76-16-4		>480	>480	6	<0.1	0.0139			
Hexafluoro isobutylene	Vapor	382-10-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Hexamethyl disilazane	Liquid	999-97-3		>480	>480	6	<0.1	0.014			
Hexamethyl disilazane, 1,1,1,3,3,3-	Liquid	999-97-3		>480	>480	6	<0.1	0.014			
Hexamethylene diamine (45 °C, molten)	Liquid	124-09-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Hexamethylene diisocyanate	Liquid	822-06-0	>480	>480	>480	6	<0.0271	0.0271	<13	>480	6
Hexane n-	Liquid	110-54-3	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Hexanone	Liquid	108-94-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Hexone	Liquid	108-10-1	32*/120	>480	>480	6	<0.1	0.001			
Hydrazine	Liquid	302-01-2	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Hydrazine hydrate (85%)	Liquid	10217-52-4	240*/360	440	>480	6	0.06	0.004			
Hydriodic acid (55-57%)	Liquid	10034-85-2	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Hydrochloric acid (37%)	Liquid	7647-01-0	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Hydrofluoric acid (48-51%)	Liquid	7664-39-3	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Hydrofluoric acid (70%)	Liquid	7664-39-3	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Hydrogen bromide (gaseous)	Vapor	10035-10-6	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Hydrogen chloride (gaseous)	Vapor	7647-01-0	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Hydrogen cyanide (21 °C, liquid)	Liquid	74-90-8	108	135	>480	6	0.53	0.0082			
Hydrogen cyanide (27 °C, gaseous)	Vapor	74-90-8	>480	>480	>480	6	<0.1	0.0217			
Hydrogen fluoride (20-27 °C, gasförmig)	Vapor	7664-39-3	130	130			3.3	0.1			
Hydrogen peroxide (70%)	Liquid	7722-84-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Hydrogen selenide	Vapor	7783-07-5		>480							
Hydrogen sulfide	Vapor	7783-06-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Hydroxy 2-methylpropionitrile, 2-	Liquid	75-86-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Hydroxy 2-nitrobenzene, 1- (70 °C, molten)	Liquid	88-75-5		208	>480	6	0.17	0.004			
Hydroxy acetic acid (sat)	Liquid	79-14-1	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Hydroxy chlorobenzene (sat in Methanol)	Liquid	106-48-9	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Hydroxy isobutyronitrile	Liquid	75-86-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Hydroxy propene	Liquid	107-18-6	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Iodomethane	Liquid	74-88-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Isobutyl methyl ketone	Liquid	108-10-1	32*/120	>480	>480	6	<0.1	0.001			
Isopropanol	Liquid	67-63-0	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Isopropyl alcohol	Liquid	67-63-0	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Isopropyl amine	Liquid	75-31-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Isopropyl benzene	Liquid	98-82-8	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Isopropylidenediphenol diglycidyl ether, 4,4'-	Liquid	1675-54-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
JP-4 Jet Fuel	Liquid	50815-00-4	>480	>480	>480	6	<0.0017	0.0017			
JP-8 Jet Fuel	Liquid	94114-58-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Ketone propane	Liquid	67-64-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Lewisite (L), MIL-STD-282 (10 g/m ²)	Liquid	541-25-3		>480 ⁸							
Lewisite (L), MIL-STD-282 (100 g/m ²)	Liquid	541-25-3		120 ⁸							
Limonene d-	Liquid	5989-27-5	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Lindane (sat in Acetone)	Liquid	58-89-9	>480	>480	>480	6	<0.06	0.06	<28.8	>480	6
Low boiling point naphtha - unspecified	Liquid	8052-41-3	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
MEK	Liquid	78-93-3	>480	>480	>480	6	<0.0067	0.0067	<3.2	>480	6
Malathion	Liquid	121-75-5	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Mercapto acetic acid	Liquid	68-11-1	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Mercuric II chloride (sat)	Liquid	7487-94-7		>480 ⁸							
Mercury	Liquid	7439-97-6	>480	>480	>480	6	<0.09	0.09	<43.2	>480	6
Methacrylic acid	Liquid	79-41-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methanesulfonyl chloride	Liquid	124-63-0		>480	>480	6	<0.1	0.0006			
Methanethiol	Vapor	74-93-1	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Methanol	Liquid	67-56-1	120	185	>480	6	0.19	0.05			
Methomyl (29%)	Liquid	16752-77-5	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Methoxy 2-methylpropane, 2-	Liquid	1634-04-4	>480	>480	>480	6	<0.007	0.007			
Methoxy chloromethane	Liquid	107-30-2	305	>480	>480	6	0.03	0.001			
Methoxy ethanol, 2	Liquid	109-86-4	>480	>480	>480	6	<0.005	0.005	<4.8	>480	6
Methoxy ethylacetate, 2-	Liquid	110-49-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl 1,5-pentanedinitrile, 2- (87%)	Liquid	4553-62-2	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Methyl 2-methyl-2-propenoate	Liquid	80-62-6	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Methyl 2-pyrrolidon, N-	Liquid	872-50-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl 4-isopropenyl-1-cyclohexene, 1-	Liquid	5989-27-5	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Methyl acetyl	Liquid	67-64-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Methyl acrolein	Liquid	123-73-9		>480	>480	6	<0.1	0.006			
Methyl acrylate	Liquid	96-33-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl amine (40%)	Liquid	74-89-5	72	261			3.9	0.017			
Methyl amine (50%)	Liquid	74-89-5	204	232							
Methyl amine (gaseous)	Vapor	74-89-5	105	105			40	0.1			

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Methyl aniline, o-	Liquid	95-53-4	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Methyl benzol	Liquid	108-88-3	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Methyl bromide	Vapor	74-83-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl chloride (gaseous)	Vapor	74-87-3	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Methyl chloro formate	Liquid	79-22-1		>480	>480	6	<0.1	0.011			
Methyl chloroform	Liquid	71-55-6	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Methyl cyanide	Liquid	75-05-8	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Methyl ethyl ketone	Liquid	78-93-3	>480	>480	>480	6	<0.0067	0.0067	<3.2	>480	6
Methyl ethyl ketoxime	Liquid	96-29-7	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Methyl fluoride	Vapor	593-53-3		>480	>480	6	<0.1	0.0205			
Methyl hydrazine	Liquid	60-34-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl iodide	Liquid	74-88-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl isocyanate	Liquid	624-83-9	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Methyl ketone	Liquid	67-64-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Methyl mercaptan	Vapor	74-93-1	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Methyl methacrylate	Liquid	80-62-6	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Methyl pentan-2-one, 4-	Liquid	108-10-1	32*/120	>480	>480	6	<0.1	0.001			
Methyl phenols	Liquid	1319-77-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl propenoic acid, 2-	Liquid	79-41-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl pyridine, 2-	Liquid	109-06-8	>480	>480	>480	6	<0.024	0.024	<11.5	>480	6
Methyl pyridine, 3-	Liquid	108-99-6	>480	>480	>480	6	<0.024	0.024	<11.5	>480	6
Methyl tert-butyl ether	Liquid	1634-04-4	>480	>480	>480	6	<0.007	0.007			
Methyl trichloromethane	Liquid	71-55-6	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Methyl trichlorosilane	Liquid	75-79-6	>480	>480	>480	6	<0.007	0.007	<3.4	>480	6
Methylene bis(2-Chloroaniline), 4,4'- (sat in Methanol)	Liquid	101-14-4	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Methylene chloride	Liquid	75-09-2	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Methylene dianiline (15% in Methyl Ethyl Ketone)	Liquid	101-77-9	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Methylene diphenyl diisocyanate, 4,4'-	Solid	101-68-8	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Methylene diphenyl diisocyanate, 4,4'- (50 °C, molten)	Liquid	101-68-8	>480	>480	>480	6	<0.0403	0.0403	<19.3	>480	6
Mineral oil	Liquid	8002-05-9	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO

Mineral spirit	Liquid	64475-85-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Morpholine	Liquid	110-91-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Naphthalene (25% in Diethylene glycol dimethylether)	Liquid	91-20-3	>480	>480	>480	6	<0.007	0.007	<3.4	>480	6
Nicotine	Liquid	54-11-5	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Nitric acid (70%)	Liquid	7697-37-2	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Nitric acid (90%)	Liquid	7697-37-2		>480	>480	6	<0.1	0.033			
Nitric acid, red fuming (90%)	Liquid	52583-42-3		>480	>480	6	<0.1	0.033			
Nitro benzene	Liquid	98-95-3	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Nitro methane	Liquid	75-52-5	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Nitro phenol, o- (70 °C, molten)	Liquid	88-75-5		208	>480	6	0.17	0.004			
Nitro propane, 2-	Liquid	79-46-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Nitrogen tetroxide	Liquid	10544-72-6	60	>480	>480	6					
Nitrogen tetroxide (gaseous)	Vapor	10544-72-6	90	90			>1.1	0.003			
Nitrogen trifluoride	Vapor	7783-54-2		>480	>480	6	<0.014	0.014			
Nitrous oxide	Vapor	10024-97-2		>480	>480	6	<0.018	0.018			
Norflurane	Vapor	811-97-2	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Octane n-	Liquid	111-65-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Oleum (40% free SO3)	Liquid	8014-95-7	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Oxalic acid (10.5%)	Liquid	144-62-7	>480	>480	>480	6	<0.1	0.1	<48	>480	6
PCB (50% in Trichlorbenzene)	Liquid	mix	>480	>480	>480	6	6	6			
Paraphenylene diisocyanate (PPDI) crude	Liquid	104-49-4	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Pentachlorophenol (sat in Methanol)	Liquid	87-86-5	>480	>480	>480	6	<0.013	0.013	<6.2	>480	6
Pentanedial, 1,5- (5%)	Liquid	111-30-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Pentanedial, 1,5- (50%)	Liquid	111-30-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Pentene nitrile, 3-	Liquid	4635-87-4	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Pentene nitrile, cis-2- (70%)	Liquid	25899-50-7	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Pentyl acetate	Liquid	628-63-7	>480	>480	>480	6	<0.003	0.003	<1.4	>480	6
Perchloric acid (70%)	Liquid	7601-90-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Perfluoro 2-propoxy propionyl fluoride	Liquid	2062-98-8	imm	>480	>480	6	<0.04	0.008	<19.2	>480	6
Perfluoroethane	Vapor	76-16-4		>480	>480	6	<0.1	0.0139			

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Phenethylene	Liquid	100-42-5	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Phenol (45 °C, molten)	Liquid	108-95-2	97	101	141	4	<5	0.01	>908	226	4
Phenol (60 °C, molten)	Liquid	108-95-2	21	25	25	1	<20	0.01	996/120 min	57	2
Phenol (85% at 45 °C)	Liquid	108-95-2	85	113	>480	6	<0.3	0.01	77	>480	6
Phenol (85%)	Liquid	108-95-2	>480	>480	>480	6	<0.06	0.006	<2.9	>480	6
Phenyl amine	Liquid	62-53-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Phenyl chloride	Liquid	108-90-7	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Phenyl cyanide	Liquid	100-47-0	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Phenyl ethane	Liquid	100-41-4	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Phenyl ethanol, 1-	Liquid	98-85-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Phenyl mercaptan	Liquid	108-98-5	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Phenyl propane, 2-	Liquid	98-82-8	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Phosgene	Vapor	75-44-5	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Phosphine	Vapor	7803-51-2	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Phosphoric acid (85%)	Liquid	7664-38-2	>480	>480	>480	6	<0.18	0.18	<86.4	>480	6
Phosphorus oxychloride	Liquid	10025-87-3	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Phosphorus trichloride	Liquid	7719-12-2	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Picoline, 2-	Liquid	109-06-8	>480	>480	>480	6	<0.024	0.024	<11.5	>480	6
Picoline, 3-	Liquid	108-99-6	>480	>480	>480	6	<0.024	0.024	<11.5	>480	6
Pimelic ketone	Liquid	108-94-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Polymethylene polyphenyle isocyanate (p-MDI)	Liquid	9016-87-9	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Potassium acetate (sat)	Liquid	127-08-2	>480	>480 ⁸	>480	6	<0.49	0.49			
Potassium chromate (sat)	Liquid	7789-00-6	>480	>480 ⁸	>480	6	<0.51	0.51			
Potassium hydroxide (45%)	Liquid	1310-58-3		>480	>480	6	<0.1	0.008			
Prop-2-en-1-al	Liquid	107-02-8	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Propan -2-ol	Liquid	67-63-0	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Propan -2-one	Liquid	67-64-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Propen 1-ol, 2-	Liquid	107-18-6	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Propenamide (50%)	Liquid	79-06-1	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Propene acid	Liquid	79-10-7	270	270			1.577	0.01			

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Propenenitrile, 2-	Liquid	107-13-1	>480	>480	>480	6	<0.0003	0.0003			
Propenoic acid butyl ester, 2-	Liquid	141-32-2		51	51	2	18.4	0.01			
Propenoic acid nitrile	Liquid	107-13-1	>480	>480	>480	6	<0.0003	0.0003			
Propylene aldehyde	Liquid	123-73-9		>480	>480	6	<0.1	0.006			
Propylene dichloride	Liquid	78-87-5	>480	>480	>480	6					
Propylene imine (90%)	Liquid	75-55-8	120	150	>480	6	0.34	0.01			
Propylene oxide, 1,2-	Liquid	75-56-9	>480	>480	>480	6	<0.0016	0.0016	<0.7	>480	6
Pyridine	Liquid	110-86-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Pyroacetic ether	Liquid	67-64-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Pyrrolidine	Liquid	123-75-1	407	413			9.2	0.012			
Sarin (GB), MIL-STD-282 (10 g/m ²)	Liquid	107-44-8		>480 ⁸							
Sarin (GB), MIL-STD-282 (100 g/m ²)	Liquid	107-44-8		>480 ⁸							
Silane	Vapor	7803-62-5	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Silicon tetrachloride	Liquid	10026-04-7	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Sodium hydroxide (50%)	Liquid	1310-73-2	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Sodium hypochlorite (15%)	Liquid	7681-52-9	>480	>480	>480	6	<0.03	0.03	<14.4	>480	6
Sodium metabisulphite (38%)	Liquid	7681-57-4		>480	>480	6	<0.052	0.052			
Sodium methylate (50% in Methanol)	Liquid	124-41-4	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Soman (GD), MIL-STD-282 (10 g/m ²)	Liquid	96-64-0		>480 ⁸							
Stoddard solvent	Liquid	8052-41-3	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Styrene	Liquid	100-42-5	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Sulfamic acid (15%)	Liquid	5329-14-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Sulfamidic acid (15%)	Liquid	5329-14-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Sulfur Mustard (HD), MIL-STD-282 (10 g/m ²)	Liquid	505-60-2		>480 ⁸							
Sulfur Mustard (HD), MIL-STD-282 (100 g/m ²)	Liquid	505-60-2		>480 ⁸							
Sulfur dioxide	Vapor	7446-09-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Sulfur hexafluoride	Vapor	2551-62-4		>480	>480	6	<0.015	0.015			
Sulfur monochloride	Liquid	10025-67-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Sulfur trioxide	Liquid	7446-11-9	90	90	90	3	696	0.1			
Sulfuric acid (>95%)	Liquid	7664-93-9	>480	>480	>480	6	<0.005	0.05	<24	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Sulfuric acid dimethyl ester	Liquid	77-78-1	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Sulfuric acid fuming (40% free SO ₃)	Liquid	8014-95-7	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Sulfuryl chloride	Liquid	7791-25-5	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Sulphur dichloride (80%)	Liquid	10545-99-0	70	70				0.1			
Tabun (GA), MIL-STD-282 (10 g/m ²)	Liquid	77-81-6		>480 ⁸							
Tetrachloro ethane, 1,1,2,2,-	Liquid	79-34-5	>480	>480	>480	6	<0.008	0.008	<3.8	>480	6
Tetrachloro ethylene, 1,1,2,2,-	Liquid	127-18-4	>480	>480			0.05				
Tetrachloro methane	Liquid	56-23-5	>480	>480	>480	6	<0.015	0.015	<7.2	>480	6
Tetraethoxysilane	Liquid	78-10-4		>480	>480	6	<0.014	0.014			
Tetraethyl lead	Liquid	78-00-2	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Tetraethylene pentamine	Liquid	112-57-2	306* /421	>480	>480	6	<0.01	0.005	<4.8	>480	6
Tetrafluoroethane, 1,1,1,2,-	Vapor	811-97-2	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Tetrafluoromethane	Vapor	75-73-0	>480	>480	>480	6	<0.0177	0.0177	<8.5	>480	6
Tetrahydrofuran	Liquid	109-99-9	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Tetramethyl tin (0.5% in Pentane)	Liquid	594-27-4		>480	>480	6	<0.006	0.006			
Thioglycolic acid	Liquid	68-11-1	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Thionyl chloride	Liquid	7719-09-7	<15*/35	<15* /35	<15* /35		2495	0.1			
Titan(IV) chloride	Liquid	7550-45-0	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Titanium tetrachloride	Liquid	7550-45-0	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Toluene	Liquid	108-88-3	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Toluene diisocyanate, 1,3,-	Liquid	26471-62-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Toluene diisocyanate, 2,4,-	Liquid	584-84-9	>480	>480	>480	6	<0.0216	0.0216	<13.5	>480	6
Toluene diisocyanate, 2,4- (80%)	Liquid	584-84-9	>480	>480	>480	6	<0.0281	0.0281	<13.5	>480	6
Toluidine, o-	Liquid	95-53-4	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Trichloro 1,2,2-trifluoroethane, 1,1,2,-	Liquid	76-13-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Trichloro 1,3,5-triazine, 2,4,6- (20% in Toluene)	Liquid	108-77-0	>480	>480	>480	6	<0.10	0.1	<48	>480	6
Trichloro benzene, 1,2,4,-	Liquid	120-82-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Trichloro ethane, 1,1,1,-	Liquid	71-55-6	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Trichloro ethane, 1,1,2,-	Liquid	79-00-5	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Trichloro ethanol, 2,2,2,-	Liquid	115-20-8	>480	>480	>480	6	<0.008	0.008	<3.8	>480	6

危害/化学品名称	物理状态	CAS	BT Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	时间 150 分钟	ISO
Trichloro ethylene	Liquid	79-01-6	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Trichloro methane	Liquid	67-66-3	>480	>480	>480	6	<0.0037	0.0037	<1.7	>480	6
Trichloro silane	Liquid	10025-78-2		>480	>480	6	<0.0218	0.0218			
Triethyl amine	Liquid	121-44-8	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Triethylentetramine (60%)	Liquid	112-24-3	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Trifluoro 2-(trifluoromethyl)propene, 3,3,3-	Vapor	382-10-5	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Trifluoro ethanol, 2,2,2-	Liquid	75-89-8	>480	>480	>480	6	<0.0013	0.0013	<0.6	>480	6
Trifluoro methane	Vapor	75-46-7		>480	>480	6	<0.0141	0.0141			
Trifluoro methansulfonic acid	Liquid	1493-13-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Trimethyl aminomethane	Liquid	75-64-9	>480	>480	>480	6	<0.03	0.03	<14.4	>480	6
Trimethyl phosphate	Liquid	512-56-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Trimethyl phosphite	Liquid	121-45-9	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Tripropyl amine	Liquid	102-69-2	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Tungsten hexafluoride	Vapor	7783-82-6		>480	>480	6	<0.0259	0.0259			
VM & P Naphtha	Liquid	8030-30-6	>480	>480	>480	6	<0.0201	0.0201	<9.6	>480	6
VX Nerve Agent, MIL-STD-282 (10 g/m ²)	Liquid	50782-69-9		>480 ₈							
VX Nerve Agent, MIL-STD-282 (100 g/m ²)	Liquid	50782-69-9		>480 ₈							
Vinyl acetate	Liquid	108-05-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Vinyl benzol	Liquid	100-42-5	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Vinyl carbinol	Liquid	107-18-6	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Vinyl chloride	Vapor	75-01-4	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Vinyl cyanide	Liquid	107-13-1	>480	>480	>480	6	<0.0003	0.0003			
Vinyl ethylene (gaseous)	Vapor	106-99-0	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Vinyl magnesium chloride (16.5% in Tetrahydrofuran)	Liquid	3536-96-7	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Vinylidene chloride	Liquid	75-35-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
White Liquor	Liquid	mix	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Xylene, mixed isomers	Liquid	1330-20-7	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
m-Cresol 55%, p-Cresol 30%, Phenol 15% (mix)	Liquid	mix	>480	>480	>480	6	<0.09	0.09	<43.2	>480	6
t-Sodium amylate / t-amyl alcohol (mix)	Liquid	mix	>480	>480	>480	6	<0.09	0.09	<43.2	>480	6

BT Act 最小可测渗透率下的 (实际) 突破时间 [mins] BT0.1 标准突破时间 0.1 µg/cm²/min [mins] BT1.0 标准突破时间 1.0 µg/cm²/min [mins] EN 根据 EN 14325 进行的分级 SSPR 稳态渗透速率 [µg/cm²/min] MDPR 最小可测渗透率 [µg/cm²/min] CUM480 480 分钟后累计渗透量 [µg/cm²] Time150 达到累计渗透量 150 的时间 µg/cm² [mins] ISO 根据 ISO 16602 进行的分类 CAS CAS 编号 min 分钟 > 大于 < 小于 imm 即时 (< 10 分钟 nm 未测试 sat 饱和溶液 N /A 不适用 na 未获取 GPR grade 常用化学品等级 * 基于最低单一值 8 实际突破时间; 标准突破时间不可用 DOT5 5

分钟后降解 DOT30 30分钟后降解 DOT60 60分钟后降解 DOT240 240分钟后降解 BT1383 根据ATSM F1383方法 ,
在0.1 µg/cm²/min [mins]时的标准突破时间

重要说明.