



保存部门	SQE
保存期限	产生日期+15年
保存方式	电子档

1、本表为REACH SVHC调查表，最新调查项数为截止2024年1月23日，ECHA总公共布的240项物质，参考网址：<https://www.echa.europa.eu/candidate-list-table>。
There are 240 SVHC in total published by ECHA as the date of Jan 23rd, 2024, <https://www.echa.europa.eu/candidate-list-table> for the reference.

2、请供应商完整并如实填写供天马物料中REACH SVHC含有情况。
Suppliers are requested to completely and truthfully fill in the REACH SVHC information contained in the products supplied to TIANMA.

3、当材料使用到SVHC时，请回复第M和N列，关于该物质在终态物品*中是否会存留问题。（*物品定义参考REACH法规定义Article 3中定义）
When SVHC is used in parts or materials, suppliers are requested to answer question of column M and N about its final state in the article. (*Article definition is referred to REACH regulation Article 3.)

4、当物品中REACH SVHC超标时，请回答调查表第O-Q列关于可替代料信息问题。
When the prence of SVHC in the article is above 0.1% (w/w), suppliers are requested to answer column O-Q regarding the concerning alternative information.

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56	氧化锆硅酸铝耐火陶瓷纤维(Zr-RCF)	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present in the fibres within	-	-	耐火陶瓷纤维组主要用在高温防火，工业应用（工业火炉和设备防火，汽车和航空航天设备）和建筑，生产的防火设备。 Refractory ceramic fibres are used for high-temperature insulation, almost exclusively in industrial applications (insulation of industrial furnaces and equipment, equipment for the automotive and aircraft/aerospace industry) and in fire protection (buildings and industrial process equipment).	N											
57	甲醛与苯胺的聚合物	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	主要用于其他物质的生产，少量用于环氧树脂固化剂。 Mainly used for manufacture of other substances. Minor uses are as hardener for epoxy resins, e.g. for the production of rolls, pipes and moulds, and as well for adhesives.	N											
58	邻苯二甲酸二甲氧乙酯	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	ECHA没有收到关于这种物质的任何注册。主要用途塑料产品中的塑化剂，染料，颜料包括印刷油墨。 No registration for this phthalate compound has been submitted to ECHA. Hence, the substance seems not to be manufactured in or imported to the EU in quantities above 1 t/y. Main uses in the past were as plasticiser in polymeric materials and paints, lacquers and varnishes, including printing inks.	N											
59	邻甲氧基苯胺	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	主要用于纹身和着色低的染料生产，聚合物和铝箔 Mainly used in the manufacture of dyes for tattooing and coloration of paper, polymers and aluminium foil.	N											
60	对特辛基苯酚	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	用于生产聚合物的配制品和聚氧乙烯醚。也会被用于粘合剂，涂层，墨水和橡胶的成分。 Mainly used in the manufacture of polymer preparations and of ethoxylates. Further used as a component in adhesives, coatings, inks and rubber	N											
61	1,2-二氯乙烷	1,2-dichloroethane	107-06-2	203-458-1	用于制造其他物质，少量作为化学和制药工业的溶剂。 Mainly used for manufacture of other substances. Minor uses as solvent in the chemical and pharmaceutical industry.	N											
62	二乙二醇二甲醚	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	主要用于化学的反应试剂，也用作电池电解液和其他产品例如密封胶，胶粘剂，燃料和汽车护理产品。 Used primarily as a reaction solvent or process chemical in a wide variety of applications. Used also as solvent for battery electrolytes, and possibly in other products such as sealants, adhesives, fuels and automotive care products.	Y	/	100000 ~ 200000	有机溶剂	CF-BM光阻		N	经过天马高温工艺，最终不残留				
63	砷酸、原砷酸	Arsenic acid	7778-39-4	231-901-9	主要用于陶瓷玻璃融化和层压印刷电路板的消泡剂。 Mainly used to remove gas bubbles from ceramic glass melt and in the production of laminated printed circuit boards	N											
64	砷酸钙	Calcium arsenate	7778-44-1	231-904-5	生产铜，铅和贵金属的原材料，主要用作精炼和生产三氧化二砷的沉淀剂。 Calcium arsenate is present in complex raw materials imported for manufacture of copper, lead and a range of precious metals. It appears mainly to be used as precipitating agent in copper smelting and to manufacture diarsenic trioxide. However, most of the substance seems to be disposed of as waste.	N											
65	砷酸铅	Trilead diarsenate	3687-31-8	222-979-5	生产铜，铅和贵金属的原材料。 Trilead diarsenate is present in complex raw materials imported for manufacture of copper, lead and a range of precious metals. The trilead diarsenate contained in the raw materials is in the metallurgical refinement process transformed to calcium arsenate and diarsenic trioxide. Whereas most of the calcium arsenate appears to be disposed of as waste the diarsenic trioxide is used further.	N											
66	N,N-二甲基乙酰胺 (DMAC)	N,N-dimethylacetamide	127-19-5	204-826-4	用于溶剂，及各种物质的生产及纤维的生产。也会被用于试剂，工业涂层，聚酰亚胺薄膜，脱漆剂和油墨去除剂。 Used as solvent, mainly in the manufacture of various substances and in the production of fibres for clothing and other applications. Also used as reagent, and in products such as industrial coatings, polyimide films, paint strippers and ink removers.	N											
67	4,4'-二氨基-3,3'-二氯二苯甲烷 (MOCA)	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	主要用于树脂固化剂和聚合物的生产，以及建筑和艺术。 Mainly used as curing agent in resins and in the production of polymer articles and also for manufacture of other substances. The substance may further be used in construction and arts.	N											
68	酚酞	Phenolphthalein	77-09-8	201-004-7	主要用于实验室试剂，PH试纸和医疗产品。 Mainly used as laboratory agent (in pH indicator solutions), for the production of pH-indicator paper and in medicinal products.	N											
69	迭氮化铅	Lead diazide, Lead azide	13424-46-9	236-542-1	主要用作民用和军用的启动器或增压器的雷管和烟火装置的启动器。 Mainly used as initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic devices.	N											
70	2,4,6-三硝基苯二酚铅	Lead styphnate	15245-44-0	239-290-0	主要用于小口径步枪弹药的底漆，另外常用于军用弹药，粉驱动装置和用于民用雷管。 Mainly used as a primer for small calibre and rifle ammunition. Other common uses are in munition pyrotechnics, powder actuated devices and detonators for civilian use.	N											
71	苦味酸铅	Lead dipicrate	6477-64-1	229-335-2	ECHA没有收到任何关于该物质的注册，苦味酸铅是一种爆炸物，在雷管的混合物中会少量用到此物质 No registration for this substance has been submitted to ECHA. Lead dipicrate is an explosive like lead diazide and lead styphnate. It may be used in low amounts in detonator mixtures together with the two other mentioned lead compounds.	N											

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181	1,3,4-噻二唑烷-2,5-二硫酮, 甲醛和4-庚基苯酚的支链和直链(RP-HP)的反应产物[4-庚基苯酚, 支链和直链含量≥0.1%w/w]	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-	用作润滑剂和润滑油中的润滑剂添加剂	N													
第19批 10项物质 (2018年6月27日 正式公布) Part 19 10 substances																			
182	苯并(g,h,i)芘	Benzo[ghi]perylene	191-24-2	205-883-8	其他物质组分或杂质 Not registered under REACH. Normally not produced intentionally but rather occurs as a constituent or impurity in other substances	N													
183	十甲基环五硅氧烷(D5)	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	用于化妆品及个人护理用品、抛光剂和蜡、洗涤和清洁产品、纺织品处理产品和染料 Used in washing and cleaning products, polishes and waxes, cosmetics and personal care products, textile treatment products and dyes.	N													
184	八硼酸二钠	Disodium octaborate	12008-41-2	234-541-0	用于防冻产品、导热流体、润滑油、洗涤和清洁产品 Used in anti-freeze products, heat transfer fluids, lubricants and greases, and washing and cleaning products.	N													
185	十二甲基环六硅氧烷(D6)	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	用于抛光剂和蜡、洗涤和清洁产品、化妆品及个人护理用品 Used in washing and cleaning products, polishes and waxes, cosmetics and personal care products.	N													
186	乙二胺	Ethylenediamine	107-15-3	203-468-6	用于粘合剂和密封剂、涂料产品、填充料、油灰、石膏、造型黏土、pH调节剂、水处理产品	N													
187	铅	Lead	7439-92-1	231-100-4	用于金属、焊接产品、金属表面处理产品、聚合物及导热流体 Used in metals, welding and soldering products, metal surface treatment products, and polymers.	N													
188	八甲基环四硅氧烷(D4)	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	用于洗涤和清洁产品、化妆品及个人护理用品、抛光剂和蜡 Used in washing and cleaning products, polishes and waxes and cosmetics and personal care products.	N													
189	氢化三联苯	Terphenyl hydrogenated	61788-32-7	262-967-7	用作塑料添加剂、涂料/油墨中的溶剂, 用于粘合剂和密封剂 Used as a plastic additive, solvent, in coatings/inks, in adhesives and sealants, and heat transfer fluids.	N													
190	1,2,4-苯三酸酐(偏苯三酸酐)(TMA)	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)	552-30-7	209-008-0	用于聚合物、酯类物质的生产, 用作实验试剂 Used in the manufacture of esters and polymers.	N													
191	邻苯二甲酸二环己酯(DCHP)	Dicyclohexyl phthalate	84-61-7	201-545-9	粘合剂和密封剂; 涂层; 填料; 油灰; 石膏; 造型黏土; 手指颜料; 非金属表面处理; 油墨和色粉; 抛光剂和蜡; 聚合物及纺织品处理产品和染料 Used in plastisol, PVC, rubber and plastic articles. A further use is also as a phlegmatiser and dispersing agent for formulations of organic peroxides.	N													
第20批 6项物质 (2019年1月15日 正式公布) Part 20 6 substances																			
192	1,7,7-三甲基-3-(苯基亚甲基)双环[2.2.1]庚-2-酮(3-亚苄基樟脑)	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC)	15087-24-8	239-139-9	用于紫外线防护的化妆品、家居用品、纺织品	N													
193	4,4'-(1,3-二甲苯基)二苯酚	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	用于生产热敏纸、聚合物、药物、杀虫剂、表面涂层、油墨、胶黏剂等	N													
194	苯并[k]荧蒽	Benzo[k]fluoranthene	207-08-9	205-916-6	用于涂层、胶黏剂、道路和建筑应用、清洗剂	N													
195	荧蒽	Fluoranthene	206-44-0, 93951-69-0	205-912-4	用于涂层、胶黏剂、道路和建筑应用、清洗剂	N													
196	菲	Phenanthrene	85-01-8	201-581-5	用于涂层和涂料、道路和建筑应用、粘合剂或脱模剂、润滑剂、清洗剂	N													
197	芘	Pyrene	129-00-0, 1718-52-1	204-927-3	用于涂层、道路和建筑应用、粘合剂或助剂、清洗剂	N													
第21批 4项物质 (2019年7月16日 正式公布) Part 20 6 substances																			
198	2,3,3,3-四氯-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(包括单体和组合)	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	用作含氟聚合物生产的加工助剂。	N													
199	2-甲氧基乙基乙酸酯	2-methoxyethyl acetate	110-49-6	203-772-9	用于半导体的生产、油漆、亮漆、清漆、油墨、涂层、胶黏剂、纺织品、皮革等。	N													
200	4-叔丁基苯酚	4-tert-butylphenol	98-54-4	202-679-0	用于涂层、聚合物、胶黏剂、密封剂等, 用于其他物质的合成。	N													
201	三(4-壬基苯基, 支链和直链)亚磷酸酯(TNPP)(含≥0.1%的支链和直链4-壬基苯酚)	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	主要用作聚合物的抗氧化剂。	N													

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