



國喬石油化學股份有限公司

GRAND PACIFIC PETROCHEMICAL CORPORATION

總公司：台北市敦化北路135號8樓

Head Office: 8F, NO.135, DUNHUA N. RD., SONGSHAN DIST., TAIPEI CITY 105, TAIWAN

TEL: (02)2715-4567 FAX: (02)2545-8760

Date issued : Jun 29, 2023

To whom it may concern :

We, GPPC, hereby knowledgeably certify that our product and Grade Name listed below

60 POWDER 60 POWDER

ABS D-100, D-100N, D-120, D-120N, D-120A, D-120S, D-120F, D-120V, D-120SY, D-150, D-150HF, D-150K, D-150 LGT01, D-180, D-180L, D-650, D-670, D-450, D-470, D-957, D-1300, D-1300A, D-1300S

SAN D-12, D-20, D33M, D-33L

does not contain the following chemicals with REACH concerned SVHC 235 substances ($\leq 0.1\%$) .

Substance Name	CAS No.	Substance Name	CAS No.
Cobalt dichloride	7646-79-9	Sodium dichromate, dihydrate	7789-12-0
Diarsenic pentaoxide	1303-28-2	Diarsenic trioxide	1327-53-3
Lead hydrogen arsenate	7784-40-9	Triethyl arsenate	15606-95-8
Dibutyl phthalate, DBP	84-74-2	Bis (2-ethyl(hexyl)phthalate), DEHP	117-81-7
Benzyl butyl phthalate , BBP	85-68-7	Anthracene	120-12-7
Bis(tributyltin)oxide	56-35-9	5-tert-butyl-2,4,6- trinitro-m-xylene ,musk xylene	81-15-2
HBCDD, Hexabromocyclododecane	25637-99-4	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85595-84-8
4,4'-Diaminodiphenylmethane	101-77-9	Anthracene oil	90640-80-5
Anthracene oil, anthracene paste, distn. lights	91995-17-4	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2
Anthracene oil, anthracene-low	90640-82-7	Anthracene oil, anthracene paste	90640-81-6
Coal tar pitch, high temperature	65996-93-2	Acryl amide	79-06-1
Aluminosilicate, Refractory Ceramic Fibers	(650-017-008)	Zirconia Aluminosilicate, Refractory Ceramic Fibers	(650-017-008)
2,4-Dinitrotoluene	121-14-2	Diisobutyl phthalate	84-69-5
Lead chromate	7758-97-6	Lead chromate molybdate sulphate red	12656-85-8
Lead sulfochromate yellow	1344-37-2	Tris(2-chloroethyl)phosphate	115-96-8
Trichloroethylene	79-01-6	Tetraboron disodium heptaoxide, hydrate	12267-73-1
Disodium tetraborate, anhydrous	1330-43-4	Boric acid	10043-35-3
	12179-04-3		11113-50-1
	1303-96-4		
Sodium chromate	7775-11-3	Potassium chromate	7789-00-6
Ammonium dichromate	7789-09-5	Potassium dichromate	7778-50-9
1,2,3-Trichlorobenzene	87-61-6	1,2,4-Trichlorobenzene	120-82-1



國喬石油化學股份有限公司

GRAND PACIFIC PETROCHEMICAL CORPORATION

總公司: 台北市敦化北路135號8樓

Head Office: 8F, NO.135, DUNHUA N. RD., SONGSHAN DIST., TAIPEI CITY 105, TAIWAN

TEL: (02)2715-4567 FAX: (02)2545-8760

Substance Name	CAS No.	Substance Name	CAS No.
1,3,5-Trichlorobenzene	108-70-3	Cobalt(II) sulfate	10124-43-3
Cobalt(II) dinitrate	10141-05-6	Cobalt(II) carbonate	513-79-1
Cobalt(II) (di)acetate	71-48-7	2-Methoxyethanol	109-86-4
2-Ethoxyethanol	110-80-5	Triocichromium	1333-82-0
Acids generated from cromium trioxide and their oligomers: chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4
2-ethoxyethyl acetate	111-15-9	Strontium chromate	7789-06-2
Hydrazine	7803-57-8 302-01-2	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6
1-methyl-2-pyrrolidone	872-50-4	1,2,3-trichloropropane	96-18-4
Dichromium tris(chromate)	24613-89-6	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9
Pentazinc chromate octahydroxide	49663-84-5	Aluminosilicate Refractory Ceramic Fibres (RCF)	650-017-00-8
Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	650-017-00-8	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4
Bis(2-methoxyethyl) phthalate	117-82-8	2-Methoxyaniline; o-Anisidine	90-04-0
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	1,2-Dichloroethane	107-06-2
Bis(2-methoxyethyl) ether	111-96-6	Arsenic acid	7778-39-4
Calcium arsenate	7778-44-1	Trilead diarsenate	3687-31-8
N,N-dimethylacetamide (DMAC)	127-19-5	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	77-09-8
Phenolphthalein	101-14-4	Lead azide Lead diazide	13424-46-9
Lead styphnate	15245-44-0	Lead dipicrate	6477-64-1
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)	110-71-4
Diboron trioxide	1303-86-2	Formamide	75-12-7
Lead(II)bis(methanesulfonate)	17570-76-2	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	4,4'-bis(dimethylamino)benzophenone(Michler's ketone)	90-94-8
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1



國喬石油化學股份有限公司

GRAND PACIFIC PETROCHEMICAL CORPORATION

總公司：台北市敦化北路135號8樓

Head Office: 8F, NO.135, DUNHUA N. RD., SONGSHAN DIST., TAIPEI CITY 105, TAIWAN

TEL: (02)2715-4567 FAX: (02)2545-8760

Substance Name	CAS No.	Substance Name	CAS No.
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9
α,α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	6-methoxy-m-toluidine (p-cresidine)	120-71-8
Pyrochlore, antimony lead yellow	8012-00-8	Henicosafuoroundecanoic acid	2058-94-8
Hexahydromethylphthalic anhydride	25550-51-0	Cyclohexane-1,2-dicarboxylic anhydride	85-42-7
Hexahydro-4-methylphthalic anhydrid	19438-60-9	cis-cyclohexane-1,2-dicarboxylic anhydride	13149-00-3
Hexahydro-1-methylphthalic anhydride	48122-14-1	trans-cyclohexane-1,2-dicarboxylic anhydride	14166-21-3
Hexahydro-3-methylphthalic anhydride	57110-29-9		
Dibutyltin dichloride (DBTC)	683-18-1	Lead bis(tetrafluoroborate)	13814-96-5
Lead dinitrate	10099-74-8	Silicic acid, lead salt	11120-22-2
4-Aminoazobenzene	60-09-3	Lead titanium zirconium oxide	12626-81-2
Lead monoxide (lead oxide)	1317-36-8	o-Toluidine	95-53-4
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped	68784-75-8
Trilead bis(carbonate)dihydroxide	1319-46-6	Furan	110-00-9
N,N-dimethylformamide	68-12-2	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-
4-Nonylphenol, branched and linear	-	4,4'-methylenedi-o-toluidine	838-88-0
Diethyl sulphate	64-67-5	Dimethyl sulphate	77-78-1
Lead oxide sulfate	12036-76-9	Lead titanium trioxide	12060-00-3
Acetic acid, lead salt, basic	51404-69-4	[Phthalato(2-)]dioxotrilead	69011-06-9
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	N-methylacetamide	79-16-3
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	1,2-Diethoxyethane	629-14-1
Tetralead trioxide sulphate	12202-17-4	N-pentyl-isopentylphthalate	776297-69-9
Dioxobis(stearato)trilead	12578-12-0	Tetraethyllead	78-00-2
Pentalead tetraoxide sulphate	12065-90-6	Pentacosafuorotridecanoic acid	72629-94-8
Tricosafuorododecanoic acid	307-55-1	Heptacosafuorotetradecanoic acid	376-06-7
1-bromopropane (n-propyl bromide)	106-94-5	Methoxyacetic acid	625-45-6



國喬石油化學股份有限公司

GRAND PACIFIC PETROCHEMICAL CORPORATION

總公司：台北市敦化北路135號8樓

Head Office: 8F, NO.135, DUNHUA N. RD., SONGSHAN DIST., TAIPEI CITY 105, TAIWAN

TEL: (02)2715-4567 FAX: (02)2545-8760

Substance Name	CAS No.	Substance Name	CAS No.
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	Methyloxirane (Propylene oxide)	75-56-9
Trilead dioxide phosphonate	12141-20-7	o-aminoazotoluene	97-56-3
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	4,4'-oxydianiline and its salts	101-80-4
Orange lead (lead tetroxide)	1314-41-6	Biphenyl-4-ylamine	92-67-1
Diisopentylphthalate	605-50-5	Fatty acids, C16-18, lead salts	91031-62-8
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	Sulfurous acid, lead salt, dibasic	62229-08-7
Lead cyanamidate	20837-86-9	Cadmium	7440-43-9
Cadmium oxide	1306-19-0	Dipentyl phthalate (DPP)	131-18-0
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Pentadecafluorooctanoic acid (PFOA)	335-67-1
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7
Cadmium sulphide	1306-23-6	Dihexyl phthalate	84-75-3
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis (4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7
Lead di(acetate)	301-04-2	Trixylyl phosphate	25155-23-1
Cadmium chloride	10108-64-2	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
Sodium peroxometaborate	7632-04-4	Sodium perborate; perboric acid, sodium salt	-
Cadmium fluoride	7790-79-6	Cadmium sulphate	10124-36-43 1119-53-6
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-



國喬石油化學股份有限公司

GRAND PACIFIC PETROCHEMICAL CORPORATION

總公司: 台北市敦化北路135號8樓

Head Office: 8F, NO.135, DUNHUA N. RD., SONGSHAN DIST., TAIPEI CITY 105, TAIWAN

TEL: (02)2715-4567 FAX: (02)2545-8760

Substance Name	CAS No.	Substance Name	CAS No.
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5- methyl-1,3-dioxane [1].	-
	68648-93-1	5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5- methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	
Nitrobenzene	98-95-3	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)ph enol (UV-327)	386-99-1
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)ph enol (UV-350)	36437-37-3	1,3-propanesultone	1120-71-4
Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8
4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	p-(1,1-dimethylpropyl) phenol = 4-tert-pentylphenol (PTAP)	80-46-6
Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	Chrysene	218-01-9
Benz[a]anthracene	56-55-3	Cadmium nitrate	10325-94-7
Cadmium hydroxide	21041-95-2	Cadmium carbonate	513-78-0
1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octad eca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear	-
Benzo[ghi]perylene	191-24-2	Octamethylcyclotetrasiloxane (D4)	556-67-2
Decamethylcyclopentasiloxane (D5)	541-02-6	Dodecamethylcyclohexasiloxane (D6)	540-97-6
Disodium octaborate	12008-41-2	Ethylenediamine	107-15-3
Lead	7439-92-1	Terphenyl hydrogenated	61788-32-7
Dicyclohexyl phthalate (DCHP)	84-61-7	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) (TMA)	552-30-7
2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	Benzo[k]fluoranthene	207-08-9



國喬石油化學股份有限公司

GRAND PACIFIC PETROCHEMICAL CORPORATION

總公司：台北市敦化北路135號8樓

Head Office: 8F, NO.135, DUNHUA N. RD., SONGSHAN DIST., TAIPEI CITY 105, TAIWAN

TEL: (02)2715-4567 FAX: (02)2545-8760

Substance Name	CAS No.	Substance Name	CAS No.
Fluoranthene	206-44-0	Phenanthrene	85-01-8
Pyrene	129-00-0	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	4-tert-butylphenol	98-54-4
2-methoxyethyl acetate	110-49-6	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propioni c acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof	-
Diisohexyl phthalate	71850-09-4	2-benzyl-2-dimethylamino-4'-morpholinobutyroph enone	119313-12-1
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan- 1-one	71868-10-5	Perfluorobutane sulfonic acid (PFBS) and its salts	-
1-vinylimidazole	1072-63-5	2-methylimidazole	693-98-1
butyl 4-hydroxybenzoate	94-26-8	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4
Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-
2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	Orthoboric acid, sodium salt	13840-56-7
2,2-bis(bromomethyl) propane1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative / 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5/ 1522-92-5 96-13-9	Glutaral	111-30-8
Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-



國喬石油化學股份有限公司

GRAND PACIFIC PETROCHEMICAL CORPORATION

總公司: 台北市敦化北路135號8樓

Head Office: 8F, NO.135, DUNHUA N. RD., SONGSHAN DIST., TAIPEI CITY 105, TAIWAN

TEL: (02)2715-4567 FAX: (02)2545-8760

Substance Name	CAS No.	Substance Name	CAS No.
1,4-dioxane	123-91-1	4,4'-(1-methylpropylidene) bisphenol; (bisphenol B)	77-40-7
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1
S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	tris(2-methoxyethoxy)vinylsilane	1067-53-4
N-(hydroxymethyl)acrylamide	924-42-5	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	
Perfluoroheptanoic acid and its salts: Ammonium perfluoroheptanoate potassium perfluoroheptanoate Perfluoroheptanoic acid Sodium perfluoroheptanoate	6130-43-4 21049-36-5 375-85-9 20109-59-5	Melamine	108-78-1
Isobutyl 4-hydroxybenzoate	4247-02-3	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7
Barium diboron tetraoxide	13701-59-2	4,4'-sulphonyldiphenol	80-09-1
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]	37853-59-1
Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	Bis(4-chlorophenyl) sulphone	80-07-9

Please feel free to use our product Thanks!
SINCERELY YOURS,
GRAND PACIFIC PETROCHEMICAL CORPORATION

Yi-Shiue Lin

THIS STATEMENT IS BASED ON OUR CURRENT LEVEL OF KNOWLEDGE AND COVERS THE ABOVE RESINS AS SUPPLIED BY GRAND PACIFIC PETROCHEMICAL CORPORATION AT THE DATE OF ISSUE. SINCE CONDITIONS OF USE ARE OUTSIDE GRAND PACIFIC PETROCHEMICAL CORPORATION'S CONTROL, GRAND PACIFIC PETROCHEMICAL CORP MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION