



Guangdong Hua Jin Da New Material Technology Co.,LTD

Product Catalog



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Production Facilities

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No.290, No.2 Road,
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Maoming City,
Guangdong Province

Professional fine chemical manufacture

PHENOLS

Dodecylphenol HY-12D (CAS No.:121158-58-5)

Appearance	Colorless to light yellow liquid
Water content,%	≤0.5
Phenol,GC,%	≤0.2
Light Alkylphenols, GC,%	≤3
Nonylphenol, GC,%	≤0.1
Content,GC,%	≥95
Heavy component, GC,%	≤2
APHA Color, Pt-Co	≤50
Flash point , °C	≥180
Density,g/mL	0.90-0.95
Hydroxyl value, mg KOH / g	200-220

ALCOHOLS

Alicyclic diols

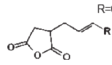
Name and Chemical structure	Appearance	Color APHA	Acid value mg KOH/g	Density @25°C, g/cm ³
 Tricyclodecanedimethanol (CAS No.:26896-48-0)	transparent	≤20	<0.1 mg KOH / g	1.05-1.15
	Viscosity cpsat80°C	Molecular weight g/mol	Applications	
	650 mPa·S 80°C	196		

Iso-tridecanol (CAS No.:27458-92-0)

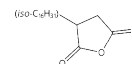
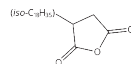
	unit	Specification data	Test Method
colour	Hazen	≤10	GB/T 9282.1-2008
water content	μg/g	≤1000	GB/T11275-2007
acid value	(In KOH) mg / g	≤0.1	GB/T 16451-2017
hydroxyl value	(In KOH) mg / g	280±7	GB/T 7383-2020
saponification number	(In KOH) mg / g	≤0.5	GB/T 16451-2017
iodine number	(In I ₂) g / 100g	≤0.4	GB/T 5532-2008
carbonyl value	(In C=O) μ g / g	≤100	GB/T16451-2017

ACID ANHYDRIDE

Dodecenyl Succinic Anhydride (DDSA)

	CA-I-02	CA-I-05
Cas No.	25377-73-5	26544-38-7
Chemical Structure		
Appearance	Light, yellow to amber, transparent liquid	Light, yellow to amber, transparent liquid
Content, %	≥95%	≥95%
Neutralization value, mgKOH/g	390-420	390-420
Content, wt% (Free olefin)	≤1.0%	≤1.0%
Content, wt% (Maleic anhydride)	≤0.5%	≤0.5%
Water content	≤0.05%	≤0.05%
Density at 25°C, g/cm ³	1.000-1.100	1.000-1.100
Color (Fe-Co)	≤8	≤8
Viscosity, mm ² / s	40-60	70-90

Hexadecenyl succinic anhydride (HDSA) / Octadecenyl succinic anhydride (ODSA)

	HDSA	ODSA
Cas No.	32072-96-1	28777-98-2
Chemical Structure		
Appearance	Light yellow to amber transparent liquid	Light yellow to amber transparent liquid
Content, %	≥96%	≥96%
Neutralization value, mgKOH/g	330-390	300-360
Content, wt% (Free olefin)	≤3.0%	≤3.0%
Maleic anhydride content	≤0.5%	≤0.5%
Water content	≤0.1%	≤0.1%
Density,g/cm ³	0.930-0.980	0.930-0.980
Color(Fe-Co)	≤10	≤10

SURFACTANT

nonionics surfactants

Dedocylphenyl ethoxylates

	12D-4	12D-6	12D-7	12D-8.6	12D-9	12D-10	12D-12
Appearance	clear to light yellow liquid						
Color (Pt-Co)	50	50	50	50	50	50	50
Hydroxyl, mg KOH / g	120±6	100±5	88±5	78±5	75±5	70±5	63±5
Water content%	≤3.0	≤3.0	≤3.0	≤3.0	≤3.0	≤3.0	≤3.0
pH value	5.0-7.0	5.0-7.0	5.0-7.0	5.0-7.0	5.0-7.0	5.0-7.0	5.0-7.0
Cloud point,°C	56-60①	68-72①	71-75①	42-46②	51-55②	62-66②	80-85②
HLB value	8.5-9.4	10.0-11.0	11.2-11.8	12.2-12.8	12.5-13.3	13.1-13.9	14.0-14.5

(1): 10% sample in 25% BGD solution (2): 1% sample in aqueous solution



Alkyl Polyglycol ether
Emulsifier, Lubricant or Metal processing

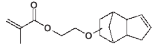
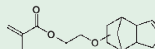
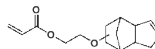
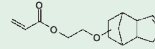
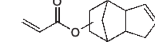
Product name	JT42	JT64	JT42L	JT64L
cloud point °C	51~53	60~62	41~43	54~57
average molecular weight, g/mol	~600	~800	~780	~850
active component content%	>99	>99	>99	>99
pH value (1% aqueous solution)	5.0~7.0	5.0~7.0	5.0~7.0	5.0~7.0
density g/ml	0.92~0.94	0.95~0.97	0.94~0.96	0.96~0.98
freezing point °C	9~11	1~3	-4~-6	-10~-8

Anionic surfactants

Alkyldiphenyloxide Disulfonate HY-12A/N

		12A	12N
Cas No.		2202732-38-3	119345-04-9
Appearance		Light yellow to amber transparent liquid	Light yellow to amber transparent liquid
active content		45%	45%
pH, 10% aq solution		7.0-10.5	7.0-10.5
Viscosity at 25 °C , cps		≤145	≤145
Flash point		-	-
Surface tension, mN / m 25°C, 1% aqueous solution	pH=7	≤37	≤37
	pH=12.5	≤37	≤37
Foam Height, mm 25°C, 1% aq solution, initial/ 5 minutes	pH=7	140	130
	pH=12.5	145	145
Density,g/mL		1.10-1.20	1.10-1.20
CMC (Critical Micelle Concentration), 0.1% NaCl, g/100g		0.007	0.007

UV MONOMERS

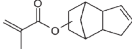
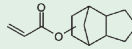
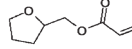
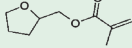
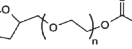
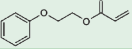
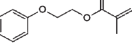
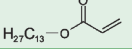
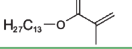
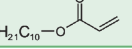
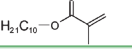
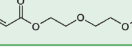
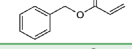
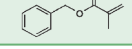
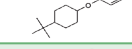
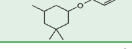
Name and Chemical structrue	Content wt%	Color APHA	Acid value mgKOH/g	Glass transition temperaturue Tg/°C	Viscosity cps at 25°C	Refractive index nD at 25°C	Surface tension dyne/cm	MEHQ ppm	Molecular Weight g/mol	Characteristics
DCPEMA Dicyclopentenyl(oxyethyl Methacrylate) 	≥95	<100	<1	40	14-20	1.499	33.1	200-500	262	Low odor, high adhesion, and chemical resistance to high purity grade
DCPEMA Dicyclopentenyl(oxyethyl Methacrylate) 	≥97	<100	<0.5	40	14-20	1.499	33.1	200-500	262	Low odor, high adhesion, chemical resistance, and high purity grade
DCPEA Dicyclopentenyl(oxyethyl acrylate) 	≥96	<100	<0.5	10 ~ 15	15-20	1.501	36.1	200-600	248	Low smell, good flowability, good adhesive, high purity grade
DCPEA Dicyclopentenyl(oxyethyl Acrylate) 	≥92	<100	<1	10~15	15-20	1.501	-	200-600	248	Low odor curing fast, good adhesion of the conventional grade
DCPA Dihydrodicyclopentadienyl Acrylate 	≥96	<100	<0.5	120	8 ~ 18	1.507	-	200-600	204	High Tg, high hardness, and good adhesive

FRAGRANCE

Product name	Grade	Appearance	Molecular Weight (g/mol)	content (%)	Characteristics
Tricyclodecenyl acetate (CAS No.:5413-60-5)	Daily chemical grade	Colorless transparent liquid	192	≥98	Used in cosmetics; Because it is stable in alkaline medium, it can be used as soap or detergent, pharmaceutical intermediates, spices, lavender, wood incense, foughe, plain vanilla and other fragrant essence.
Tricyclodecenyl propionate (CAS No.:17511-60-3)	Daily chemical grade	Colorless transparent liquid	206	≥98	Used in cosmetics; Because it is stable in alkaline medium, it can be used as soap or detergent for perfume, medicinal intermediates, spices, aromas, flowers, jasmine and fennel.
Tricyclodecanedimethanol (CAS No.:64001-15-6)	Daily chemical grade	Colorless transparent liquid	194	≥98	Grass, herbaceous, more like basil oil than cyclodecyl acetate. Suitable for essence, washing powder, fabric regulator, etc.
Tricyclodecenyl isobutyrate (CAS No.:68039-39-4)	Daily chemical grade	Colorless transparent liquid	220	≥98	Suitable for acid detergent, fabric conditioner, antiperspirant, toiletries, soap, powder detergent.
Tricyclodecenyl n-butyrate (CAS No.:113889-23-9)	Daily chemical grade	Colorless transparent liquid	220	≥98	Used in daily chemical essence formula, there is a pleasant peach fruit fragrance with light wood fragrance. It can be widely used in essence to provide stable fruit flavor.Has excellent performance in shampoo, soap, liquid detergents, fabric conditioners, etc.
2-[Tricyclo[5.2.1.02,6]decane-3-ene-8-yl)oxy]ethanol (CAS No.:68039-37-2)	Daily level	Colorless transparent liquid	194	≥99	With a strong smell of floral aroma, it can be used as a spice ingredient, or it can be used as a high-boiling point solvent.
3a, 4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-ol (CAS No.:3385-61-3)	Daily level	Colorless transparent liquid	150	≥99	With fragrance, it can be used to prepare fragrance and soap, or can also be used in the field of research, used as solvents or reagents.

ANTIOXIDANT

Product name	Initial Melting Point (°C)	Molecular Weight (g/mol)	Appearance	Ash content%	Characteristics
Butylation products of p-cresol dicyclopentadiene (CASNo.:68610-51-5)	≥115	600-650	White powder / light yellow granular	≤0.1	Efficient antioxidant for rubber, polyolefin, plastic, and other products.Especially natural latex, rubber, and ABS, it has particular y outstanding performances.

Name and Chemical structure	Content wt%	Color APHA	Acid Value mgKOH/g	Glass Transition Temperature Tg/°C	Viscosity cps at 25°C	Refractive Index nD at 25°C	Surface Tension mN/m	MEHQ ppm	Molecular Weight g/mol	Characteristics
DCPMA Dicyclopentenyl methacrylate 	≥96	<100	<0.5	-	6~15	1.503	-	300-500	218	High Tg Good Adhesion
HDCPA Dicyclopentenyl acrylate 	≥96	<100	<0.5	120	7-17	1.491	-	300-600	206	High Tg Low moisture absorption Good weather resistance
CTFA Cyclic trimethylolpropane formal acrylate 	≥93	<100	<0.5	14	6-15	1.463	32.1	200-400	200	Low smell Low contraction and Good flowability
	≥85	<100	<0.5	14	6-15	1.464	32.1	200-400	200	Low smell Cure fast Good resistance Good adhesion
THFA Tetrahydrofuryl acrylate 	≥95	<100	<0.5	-15	1-6	1.458	34.8	400-600	156	Low viscosity and good adhesion
THFMA Tetrahydrofuryl methacrylate 	≥95	<100	<0.5	47	1-8	1.458	30.0	400-600	170	Low viscosity Good weather resistance Good resistance
THFEOA Ethoxylate tetrahydrofuran acrylate 	-	<100	<0.5	-	1-8	1.461	-	100-400	201	Low stimulation, low viscosity and good weather resistance
PHEA Phenoxyethyl acrylate 	≥95	<100	<0.5	7	5-15	1.519	40.5	200-500	192	Low viscosity Good adhesion
PHEMA Phenoxyethyl methacrylate 	≥95	<100	<0.5	47	5-15	1.511	38.0	200-500	206	Low viscosity Good adhesion
ITDA Isotridecanyl acrylate 	≥97	<100	<0.5	-55	1-8	1.447	-	200-400	254	Low smell High flowability Hydrophobicity
ITDMA Isotridecanyl methacrylate 	≥97	<100	<0.5	-	1-8	-	-	200-400	268	Low smell Low viscosity Hydrophobicity
IDA Isodecanyl acrylate 	≥97	<100	<0.5	-58	1-10	1.440	27.0	100-400	212	Low shrinkage Nice flowability Hydrophobicity
IDMA Isodecanyl methacrylate 	≥97	<100	<0.5	-41	1-10	1.443	27.5	100-400	226	Low shrinkage Nice flowability Hydrophobicity
EOEOA Ethyl-ethoxyacrylate 	≥95	<100	<0.5	-56	3-8	1.436	31.2	300-600	188	Nice flowability Low shrinkage Good adhesion
BZA Benzyl Acrylate 	≥95	<100	<0.5	11	1-10	1.517	36.7	100-300	162	Low viscosity Good adhesion High refraction index
BZMA Benzyl methacrylate 	≥95	<100	<0.5	53	1-10	1.512	34.8	100-300	176	Low viscosity Good adhesion High refraction index
TBCHA 4-tert-butylcyclohexyl acrylate 	-	<100	<0.5	65	5-15	1.464	27.8	100-300	210	Low smell Low shrinkage Good tenacity
TMCHA 3,3,5-trimethylcyclohexyl acrylate 	-	<100	<0.5	43	1-10	1.453	26.8	100-300	196	Low viscosity Good adhesion Good heat resistance
DP(EO)6A Dodecylphenylethoxyl acrylate 		<100	<0.5	-38	90-120	1.489	34.5	300-600	580	Good adhesion High flowability Ground contraction rate

Difunctional monomers

GUANGDONG HUA JIN DA

Name and Chemical structure	Content wt%	Color APHA	Acid Value mgKOH/g	Glass Transition Temperature Tg/°C	Viscosity cps at 25°C	Refractive Index nD at 25°C	Surface Tension mN/m	MEHQ ppm	Molecular Weight g/mol	Characteristics
TCDDA tricyclic decane dimethanol diacrylate	-	<100	<0.5	110	110-160	1.506	37.8	300-600	304	High Tg, low shrinkage, curing, fast heat resistance and good chemical resistance
VEEA 2-(2-Vinyloxy ethoxy) Ethyl Acrylate	≥95	<100	<0.5	-	1-8	1.455	-	300-600	186	Low-viscosity Doal curing
VEEM 2-(2-Vinyloxy Ethoxy) Ethyl Methacrylate	≥95	<100	<0.5	-	1-10	-	-	300-600	200	Low-viscosity Doal curing
BPA (EO) 4DA ethoxylated bisphenol A diacrylate	≥94	<100	<0.5	42	800-1300	1.537	42.9	100-500	512	Good heat resistance, chemical resistance and good high refractive index
BPA (EO) 10DA ethoxylated bisphenol A diacrylate	≥94	<100	<0.5	-7	500-800	1.516	43.5	100-500	776	Good adhesion, flowability, good high hardness and low shrinkage
BPA (EO) 4 DMA ethylethoxylated diphenol A dimethacrylate	≥94	<100	<0.5	82	500-900	1.529	39.4	100-500	540	Heat resistance and chemical resistance, high refractive index
BPA (EO) 10 DMA ethylethoxylated diphenol A dimethylacrylate	≥94	<100	<0.5	3	350-500	1.512	42.5	100-500	804	Low viscosity and high reactive heat resistance
PEG (400) DA polyethylene glycol (400) diacrylate	-	<100	<0.5	3	30-70	1.466	42.6	100-500	508	Low volatile flowability and good water solubility
PEG (600) DA polyethylene glycol (600) diacrylate	-	<100	<0.5	-41	80-120	1.469	41.3	100-500	708	Low shrinkage, flowability and good water solubility

Trifunctional monomers

Product name and Molecular structure	Content wt%	Color APHA	Acid Value mgKOH/g	Temperature Glass Transition Tg/°C	Viscosity cps at 25°C	Refractive Index nD at 25	Surface Tension mN/m	MEHQ ppm	Molecular Weight g/mol	Characteristics
TMP (EO) 3TA Eethoxylated trihydroxymethylpropane triacylate	-	<100	<0.5	40	50-70	1.469	36.8	100-400	428	Good hardness and good chemical resistance, and low skin irritation
TMP (EO) 9TA Eethoxylated trihydroxymethylpropane triacylate	-	<100	<0.5	-3	80-120	1.470	38.1	100-400	693	Good flowability and high reactivity
TMP (EO) 15TA Eethoxylated trihydroxymethylpropane triacylate	-	<100	<0.5	-31	120-160	1.470	41.0	100-400	956	Water-soluble Low shrinkage and low skin irritation