

Dibasic acids

Type of Chemical	Product Name	Composition	Product Specifications				Application	
			Color Number*	Acid Value	Saponification Value	Unsaponifiabiles (%)		Package**
Dibasic acids	HARIDIMER 200	C36 Dimer Acids (Standard)	9 max. (G)	190 ~ 196	195 ~ 201	1 max.	190kgs D/M 17kgs C/N	Polyamide resin, Polyester resin, Lubricating oil
	HARIDIMER 250	C36 Dimer Acids (Low monomer content)	8 max. (G)	190 ~ 196	195 ~ 201	1 max.	190kgs D/M 17kgs C/N	Anti-corrosive oil
	DIACID-1550	C21 Dibasic Acids	6 ~ 11 (H)	260 ~ 285	280 ~ 310	—	190kgs D/M 16kgs C/N	Surfactants, Plasticizer, Anti-corrosive oil

Modified tall oil fatty acids

Type of Chemical	Product Name	Composition	Product Specifications					Application	
			Color Number*	Acid Value	Saponification Value	OH Value	Iodine Value		Package**
Modified tall oil fatty acids	HARTALL Q-1	Hydroxy Fatty Acids	13 max. (H)	120 ~ 140	175 ~ 195	205 ~ 235	50 max.	200kgs D/M 18kgs C/N	Lubricating oil, Resin material
	HARTALL Q-2	Hydroxy Fatty Acids	13 max. (H)	110 ~ 125	190 ~ 210	200 ~ 245	55 max.	190kgs D/M 17kgs C/N	Lubricating oil, Resin material
	HARTALL QFA-2	Hydroxy Fatty Acids Ester	13 max. (H)	70 ~ 80	190 ~ 210	—	—	16kgs C/N	Lubricating oil

Type of Chemical	Product Name	Composition	Product Specifications				Application	
			Color Number*	Acid Value	Amine Value	Viscosity (cps 25°C)		Package**
Modified tall oil fatty acids	HARTALL M-33	Tall Oil Fatty Imidazoline	13 max. (H)	—	150 ~ 158	H ~ K***	180kgs D/M 16kgs C/N	Emulsifiers, Anti-corrosive agent
	HARTALL M-22	Fatty Acids Diethanol Amide	13 max. (H)	7 ~ 13	110 ~ 140	500 ~ 1500	190kgs D/M	Pitch control agent for paper making, Emulsifier

*(H): Hellige, (G): Gardner
 **D/M: Drum, C/N: 18l can
 ***Gardner