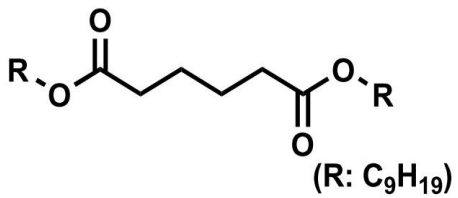
New Japan Chemical Co., Ltd.

Product name	**SANSO CIZER DINA**	
Chemical name	Diisononyl adipate	
Molecular formula (M.W.)	C24H46O4(399)	Structural formula of DINA
ENCS No	2-861	
CAS RN ®	33703-08-1	
EINECS No	251-646-7	
TSCA	Listed	

Feature/Function	DINA is an adipate secondary plasticizer synthesized from C9 alcohol which is obtained by oxidizing normal butene dimer. It is excellent in plasticization efficiency, cold resistance, and volatility resistance.
Applications	Food wraps, etc.

＜Representative properties＞		＜PVC performance (Plasticizer 50phr)＞	
Color (Hazen)	≤30	Hardness	A 82
Specific gravity (20/20℃)	0.921-0.927	Tensile test 100% Modulus (MPa)	8.5
Refractive index (25℃)	1.446-1.452	Clash & Berg (℃)	-51
Loss on heating (%)	≤0.1	Weight loss (%) 170℃, 60 min	7.3
Acid value (mgKOH/g)	≤0.04		
Ester value (mgKOH/g)	278-284		
Specific volume resistivity (Ω・cm 30℃)	$\geq 5 \times 10^{11}$		
Flash point (℃)	232		

Packing	Bulk, Drum(190kg), Can(16kg)

For inquiries, contact us:	New Japan Chemical co., ltd. Polymer Materials Marketing & Sales Dept. +81-3-5540-8106

<About handling of the descriptions herein>
Descriptions herein were created based on materials, information, and data that have been obtained to date, but the data, evaluations, risks, etc. described are not warranted at all. In addition, the items described are intended for usual ways of handling, and therefore if the product is handled in a special manner, handle it after taking a safety measure appropriate for the application or usage.

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