

Prohibited substances and Recommended materials for ROSAHL**1. Prohibited substances**

The substances which adversely affect ROSAHL and harm in response to a dehumidifying element are as follows. The anode side is affected mainly. Even the additives of materials may be affected. Please evaluate enough when a new substance is adopted or a maker is changed.

Classification	Substance Name	State	Notes
Inorganic Matter	hydrochloric acid gas	gas	
	nitric acid gas	gas	
	other corrosion gases	gas	
	SOx gas	gas	
	NOx gas	gas	
	chlorine gas	gas	
	sulfurous acid gas	gas	
	other pollution gases	gas	
	concentrated hydrochloric acid	liquid	
	concentrated nitric acid	liquid	
	substance which produces other corrosion gas	liquid	
	divalent metal ion	liquid	
Organic Matter	siloxane gas	gas	
	oxime gas	gas	
	lamp black	gas	
	diethylamine	gas	
	other amine-based gas	gas	
	amide-based low molecular weight compound	gas, liquid	
	methylene chloride	liquid	
	perchloroethylene	liquid	
	trichloroethylene	liquid	
	perchloroethylene	liquid	
	tetrachloroethylene	liquid	
	other chlorinated solvent	liquid	
	oil mist	liquid	
	dimethyl sulfoxide	liquid	
	other sulfur based organic solvent	liquid	
	silicone sealant	solid	These substances produce siloxane gas. Heat treatment (bake) is necessary to remove low molecule siloxane of non-reaction.
	silicone grease	solid	
	silicone rubber	solid	
	silicone-based sealing compound	solid	
	other siloxane chemical compound	solid	
	pran-ace	solid	
	camphor	solid	
	other insect repellent	solid	
	paradichlorobenzene	gas, liquid	
	other chlorine-based insect repellent	gas, liquid	
	vapor phase inhibitor	liquid, solid	
	corrosion inhibitor which is added in materials	liquid, solid	
	cigaret tar constituent	gas, liquid	
	2,6-Di-tert-butyl-4-methylphenol (BHT)	liquid	The antioxidant which was added in packing

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2. Recommended materials

The recommended materials in a range understanding in us are as follows.

Classification	Material Name	Notes
Frame	Glass Metal Acrylic Plastic	The acrylic and plastic resin has moisture permeability. Please thicken the board thickness when using them.
Sealing Compound	the material which does not include "Silicon group" [Recommended products] modified silicon caulk (Konishi Co., Ltd.)	Do not use silicon-based sealing compounds. In addition, about the recommendation product, please operate ROSAHL after completely stiffening. (Please avoid operating ROSAHL before stiffening.)
Adhesive	the material which does not include "Silicon group" [Recommended products] Silex, SL220W, SL220LB (Konishi Co., Ltd.)	Do not use silicon-based adhesives.
Packing	Silicon rubber (secondary vulcanization finished) EPT rubber [Ethylene-propylene] (single bubble) PTFE rubber [Polytetrafluoroethylene]	About the silicon rubber, please perform secondary vulcanization by all means. (ex. 200 deg C / 6 hours) In addition, we don't evaluate all silicon rubber, EPT rubber, PTFE rubber. Please evaluate enough when using them.

The above are just as of April 1, 2021 but not all of them. Please verify in advance and evaluate enough when using our electric dehumidifier "ROSAHL". We don't take any responsibility or liability for any damage or loss caused through the unknown phenomenon and the wrong usage.

Precautions in the Use for the Storage Cabinet

1. When you use ROSAHL to dehumidify into the storage cabinet, do not store volatile rust preventive or things that organic gas volatilizes. The volatile gas which is released from goods reacted at a membrane's anode and new harmful gas is produced.
As a result, not only it causes decrease in performance of ROSAHL, but also it might adversely affect on goods in the storage cabinet. We cannot guarantee even if harm occurs to the stored valuables under the influence of new produced gas. Please evaluate enough when you use ROSAHL for the storage cabinet.
2. The maker who produces and sells storage cabinet equipped with ROSAHL should explain that enough for end users using the storage cabinet.