

**Aradur® 943<sup>#</sup>****Liquid, solvent-free, formulated aliphatic polyamine adduct**

<b>Applications</b>	<ul style="list-style-type: none"> <li>coatings for tanks holding chemicals, fuels, solvents and even highly concentrated alcohol beverages</li> <li>coating of floors and drip pans</li> <li>coating of pipes and ship tanks</li> </ul>		
<b>Properties</b>	<p>Suitable for food contact according to</p> <ul style="list-style-type: none"> <li>EU Directive 90 /128 EEC: all components are on List A of the definitely approved products and also the resulting oligomeric intermediate, provided it is reacted in the finished product. Concluding: approved from all points of view.</li> <li>FDA listing 21 CFR 175.300, providing it is cured with e.g. GY 250, which is always the case in practice.</li> </ul> <p>Properties in general:</p> <ul style="list-style-type: none"> <li>very short potlife</li> <li>strong exudation and some surface defects</li> <li>moderate flexibility, good adhesion, high hardness.</li> <li>very good resistance to solvents (even to conc. ethanol) and inorganic acids</li> </ul> <p>Addition of solvents has the following effects:</p> <ul style="list-style-type: none"> <li>longer potlife</li> <li>with toluene, ethylacetate and with butanol no exudation</li> <li>resistance to acids decreased</li> <li>resistance to solvents mostly increased (best is toluene)</li> <li>potable ethanol can be added to make food grade formulations sprayable</li> </ul> <p>Exudation will prevent intercoat adhesion. Pigmentation and/or solvent can reduce/eliminate exudation. Air driers in tanks will (also) prevent exudation.</p>		
<b>Key data</b>	<b>Specified key data</b>		
	<b>Aspect (visual)</b>	<b>clear liquid</b>	
	<b>Colour (Gardner, ISO 4630)</b>	<b>≤ 5</b>	
	<b>Amine number (ISO 9702)</b>	<b>730-840</b>	<b>[mg KOH/g]</b>
	<b>Viscosity at 25 °C (ISO 9371B)</b>	<b>3400 - 5000</b>	<b>[mPa s]</b>
	Specified key data are individually checked throughout and guaranteed.		
	Typical key data		
	H <sup>+</sup> active equivalent weight	38	[g/eq]
	Density at 25 °C (ISO 1675)	1.08	[g/cm <sup>3</sup> ]
	Flash point (Pensky Martens, ISO 2719)	≥ 110	[°C]
	As-supplied form	liquid	
	Odour	yes (ammonia)	
	Shelf life (at storage temperature between 2 - 40 °C) (see expiry date on original container)	several years	
	Hazardous decomposition products (when disposed of in fire)	carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases and vapours	
	Disposal	regular procedures approved by local authorities	
	Typical key data are spot checked; the values are typical for the product and are indicated for information only. The values are not guaranteed.		

<sup>#</sup> In addition to the brand name product denomination may show different appendices, which allows us to differentiate between our production sites: e.g. BD = Germany, US = United States, IN = India, CI = China, etc. These appendices are in use on packaging, transport and invoicing documents. Generally the same specifications apply for all versions. Please address any additional need for clarification to the appropriate Huntsman contact.

<b>Mix ratios</b>	Components	Parts by weight					
	Araldite GY 250	100	-	-	-	-	-
	Araldite GY 255	-	100	-	-	-	-
	Araldite GY 257	-	-	100	-	-	-
	Araldite GY 260	-	-	-	100	-	-
	Araldite PY 302-2	-	-	-	-	100	-
	Araldite PY 304	-	-	-	-	-	100
Aradur 943	20	21	20	20	21	22	
Viscosity at 25 °C (ISO 12058-1)	[mPa s]	10400	7200	8700	12200	4500	7050
Gel time (Tecam, 100 ml, 20 °C, 65% RH)	[min]	15	12	13	10	14	12
<b>Storage</b>	Aradur 943 should be stored in a dry place, preferably in the sealed original container, at temperatures between 2 and 40 °C. The product should not be stored exposed to direct sunlight.						
<b>Handling precautions</b>	Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets.						
<b>Note</b>	Aradur® is a registered trademark of Huntsman LLC or an affiliate thereof.						

<b>Huntsman LLC</b> <small>®Registered trademark</small>	<p>IMPORTANT: The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.</p>
	