



— AMBERLITE™ Ion Exchange Resins

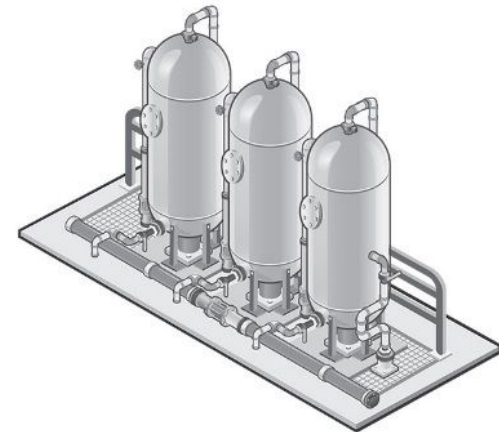
A Rich History United Under One Trusted Portfolio

Water Treatment in Industrial and Power Market Segments



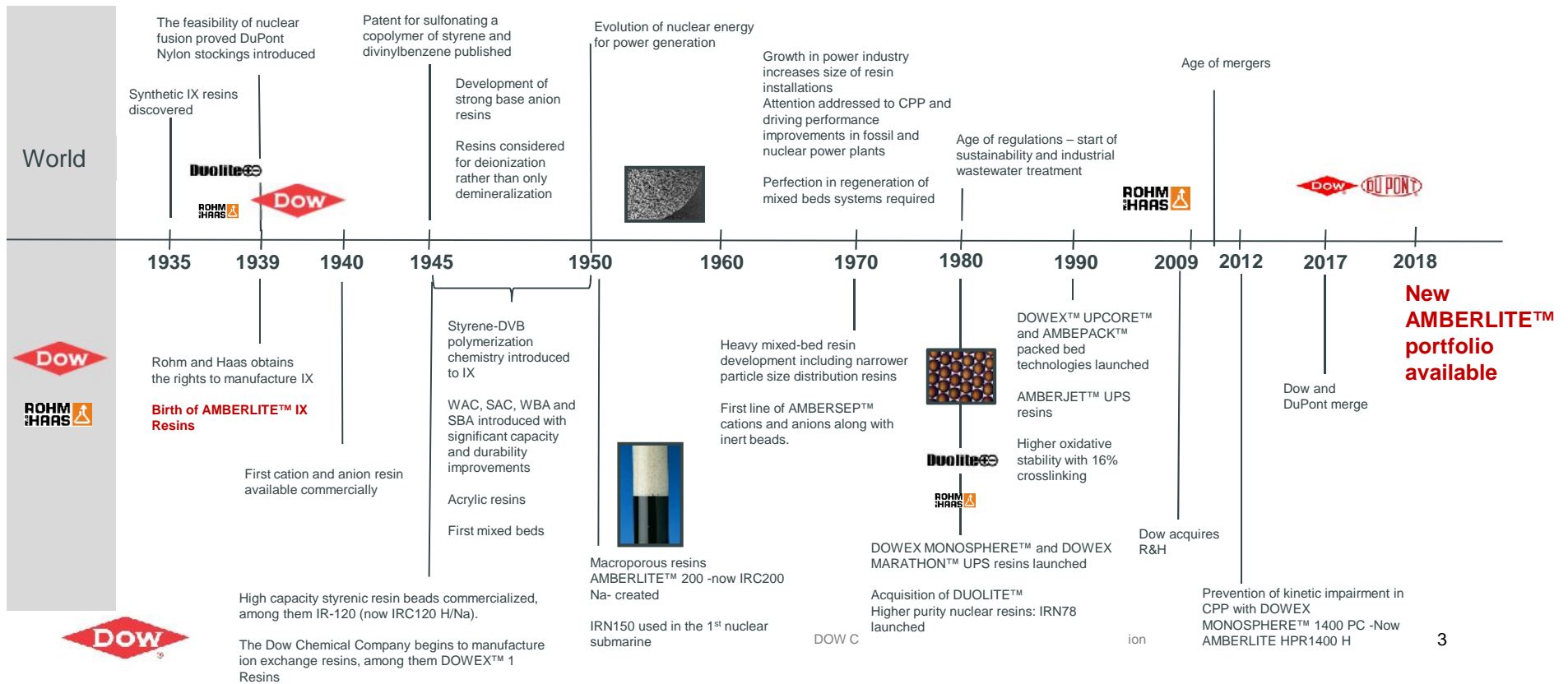
■ Agenda

- A rich history of ion exchange technology and case for change
- The new AMBERLITE™ ion exchange resin portfolio for water treatment in industrial and power market segments
- Impact of consolidation to you
- Critical dates for transition
- Material to support you during transition
- Regulatory position
- Dow support beyond products
- Key questions to discuss



A Rich History of Ion Exchange Technology in IWT & Power Generation

Partnering with industry to solve challenging water treatment needs and deliver sustained value over decades



Rich History United Under One Trusted Portfolio

AMBERJET™

AMBERLITE™

AMBERSEP™

DOWEX™

DOWEX MARATHON™

DOWEX MONOSPHERE™

DOWEX™ UPCORE™

MICROIONEX™



AMBERLITE™



■ A Stronger Core for a Stronger Partnership

As we look to the future, it has come time to consolidate and update our ion exchange resin portfolio for water treatment in industrial and power market segments.

Continuing to provide *trusted products* to grow *an industry leading portfolio* and *deliver a simplified offering*, our updated AMBERLITE™ Ion Exchange Resin portfolio includes *industry classics under new names* as well as new breakthrough technologies.

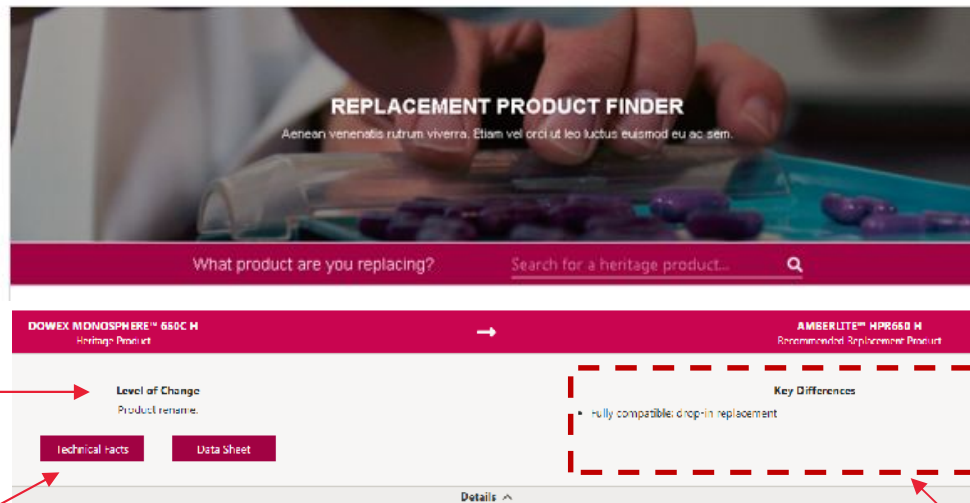
What Changes To Expect?

- Simplified offering
- Improved supply capability
- Updated & clearer product positioning
- Trademark consolidation –single brand
- Uniform naming -consistent addition of ionic form
- Harmonized, streamlined & upgraded product specifications
- Streamlined & more harmonized packaging
- New GMIDs for placing orders



Online Product Replacement Advisor

Easy and simple product replacement finder always up to date to guide you through the changes in the full portfolio



Explanation on level of change: product renaming or discontinuation

Easy dynamic search – use old product name or number and options will populate below

Replacement product name

Link to detailed tech fact and replacement FAQ to explain the replacement differences in detail

Key differences (if any) to take into account when using/designing with new resin

[Dow.com/AMBERLITE](https://www.dow.com/AMBERLITE)

Material to Support You Through Transition



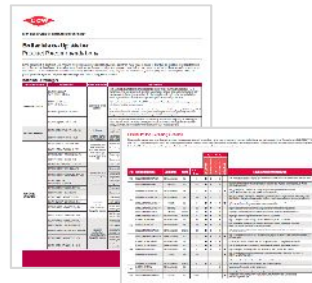
Dow letter for End Users



Data sheets & MSDS



Product Discontinuation Tech Facts & FAQ



Simple product lists & application guides



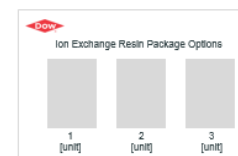
Presentations
-Product line
-Updated application presentations



Online replacement advisor



Online portal for digital access during pre-launch phase



Packaging options postcard

Code	Chemical	Physical	Other
8200	1,4-DIOL	1,4-DIOL	1,4-DIOL
8201	1,4-DIOL	1,4-DIOL	1,4-DIOL
8202	1,4-DIOL	1,4-DIOL	1,4-DIOL
8203	1,4-DIOL	1,4-DIOL	1,4-DIOL
8204	1,4-DIOL	1,4-DIOL	1,4-DIOL
8205	1,4-DIOL	1,4-DIOL	1,4-DIOL
8206	1,4-DIOL	1,4-DIOL	1,4-DIOL
8207	1,4-DIOL	1,4-DIOL	1,4-DIOL
8208	1,4-DIOL	1,4-DIOL	1,4-DIOL
8209	1,4-DIOL	1,4-DIOL	1,4-DIOL
8210	1,4-DIOL	1,4-DIOL	1,4-DIOL
8211	1,4-DIOL	1,4-DIOL	1,4-DIOL
8212	1,4-DIOL	1,4-DIOL	1,4-DIOL
8213	1,4-DIOL	1,4-DIOL	1,4-DIOL
8214	1,4-DIOL	1,4-DIOL	1,4-DIOL
8215	1,4-DIOL	1,4-DIOL	1,4-DIOL
8216	1,4-DIOL	1,4-DIOL	1,4-DIOL
8217	1,4-DIOL	1,4-DIOL	1,4-DIOL
8218	1,4-DIOL	1,4-DIOL	1,4-DIOL
8219	1,4-DIOL	1,4-DIOL	1,4-DIOL
8220	1,4-DIOL	1,4-DIOL	1,4-DIOL
8221	1,4-DIOL	1,4-DIOL	1,4-DIOL
8222	1,4-DIOL	1,4-DIOL	1,4-DIOL
8223	1,4-DIOL	1,4-DIOL	1,4-DIOL
8224	1,4-DIOL	1,4-DIOL	1,4-DIOL
8225	1,4-DIOL	1,4-DIOL	1,4-DIOL
8226	1,4-DIOL	1,4-DIOL	1,4-DIOL
8227	1,4-DIOL	1,4-DIOL	1,4-DIOL
8228	1,4-DIOL	1,4-DIOL	1,4-DIOL
8229	1,4-DIOL	1,4-DIOL	1,4-DIOL
8230	1,4-DIOL	1,4-DIOL	1,4-DIOL
8231	1,4-DIOL	1,4-DIOL	1,4-DIOL
8232	1,4-DIOL	1,4-DIOL	1,4-DIOL
8233	1,4-DIOL	1,4-DIOL	1,4-DIOL
8234	1,4-DIOL	1,4-DIOL	1,4-DIOL
8235	1,4-DIOL	1,4-DIOL	1,4-DIOL
8236	1,4-DIOL	1,4-DIOL	1,4-DIOL
8237	1,4-DIOL	1,4-DIOL	1,4-DIOL
8238	1,4-DIOL	1,4-DIOL	1,4-DIOL
8239	1,4-DIOL	1,4-DIOL	1,4-DIOL
8240	1,4-DIOL	1,4-DIOL	1,4-DIOL
8241	1,4-DIOL	1,4-DIOL	1,4-DIOL
8242	1,4-DIOL	1,4-DIOL	1,4-DIOL
8243	1,4-DIOL	1,4-DIOL	1,4-DIOL
8244	1,4-DIOL	1,4-DIOL	1,4-DIOL
8245	1,4-DIOL	1,4-DIOL	1,4-DIOL
8246	1,4-DIOL	1,4-DIOL	1,4-DIOL
8247	1,4-DIOL	1,4-DIOL	1,4-DIOL
8248	1,4-DIOL	1,4-DIOL	1,4-DIOL
8249	1,4-DIOL	1,4-DIOL	1,4-DIOL
8250	1,4-DIOL	1,4-DIOL	1,4-DIOL

Available in 1st August

Cross reference GMID list



WAVE (updated product list for few)



Updated Webpages



Product Datasheets: Necessary Information at Your Fingertips

Product Description
Detailed features & benefits of the product


Dow

Product Data Sheet

AMBERLITE™ HPR1300 H Ion Exchange Resin
Uncross-Linked Sty, (G), Strong Acid Cation Exchange Resin for Condensate Polishing in the Power Industry and Industrial Demineralization Applications

Description

AMBERLITE™ HPR1300 H Ion Exchange Resin is a high-quality resin for use in condensate polishing beds at fossil fuel electric generating stations and in industrial demineralization applications where a balance of operating performance, simple operation, long service life, and non-toxic resin is required. The chemical properties and particle size of the resin have been optimized to help yield excellent operating capacity and more than twice the life, reducing chemical consumption and resin wear usage while maintaining a superior physical stability.



AMBERLITE™ HPR 1300 H provides great mechanical strength and oxidative stability. It is ideally suited to the H+ form for use in a wide range of condensate polishing applications. The chemical stability of this resin makes it suitable for the more challenging industrial applications or when more stringent water quality is required. In service, and polishing mixed beds, it is a great choice when very low sodium leakage and conductivity are required.

In condensate polishing, the bed is normally 12" and tank color is followed to complement the smaller, less dense, amber, gel AMBERLITE™ HPR4700 OH Ion Exchange Resin. The color distinction between the pair of resins allows easy visual confirmation of operation. Following the usual in-service bed operation, in systems where exceptional resistance to carbon fouling is required, AMBERLITE™ HPR500 OH is the recommended pairing.

In industrial water applications, AMBERLITE™ HPR1300 H is compatible with all system technologies and bed configurations and is designed to work with a variety of anion resins in mixed beds. AMBERLITE™ HPR300 H is the weak acid cation resin best paired with AMBERLITE™ HPR 320 H for optimal performance in mixed and refilled mixed beds.

AMBERLITE™ HPR 320 H is available for industrial softening or demineralization applications when the sulfonate form is preferred by the user.

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Resin Pairing

Recommended pairing in condensate polishing:

- AMBERLITE™ HPR4700 OH Ion Exchange Resin (gel)
- AMBERLITE™ HPR500 OH Ion Exchange Resin (gel)

Recommended pairing in industrial demineralization applications:

- AMBERLITE™ HPR4200 OH Ion Exchange Resin (gel) for mixed bed
- AMBERLITE™ HPR4800 OH Ion Exchange Resin (gel) for mixed bed
- AMBERLITE™ HPR4700 OH Ion Exchange Resin (gel) for mixed bed
- AMBERLITE™ HPR4800 OH Ion Exchange Resin (gel) for mixed bed

Additional options in condensate polishing:

- AMBERLITE™ HPR4700 Cl Ion Exchange Resin (gel)
- AMBERLITE™ HPR4700 Cl Ion Exchange Resin (gel)

Additional pairing in industrial demineralization applications:

- AMBERLITE™ HPR4800 Cl Ion Exchange Resin (gel) for mixed bed
- AMBERLITE™ HPR4500 Cl Ion Exchange Resin (gel) for mixed bed
- AMBERLITE™ HPR4800 Cl Ion Exchange Resin (gel) for mixed bed
- AMBERLITE™ HPR500 Cl Ion Exchange Resin (gel) for mixed bed

Applications

- Demineralization
 - Boiler water treating water with:
 - High conductance
 - High temperature on the action resin
 - Single bed industrial demineralization requiring high water purity
- Condensate polishing
- Mixed bed polishing

System Designs

Compatible with all system technologies:

- Column
- Upflow-downflow
- Layered beds
- Floated beds
- Mixed beds

Historical Reference

AMBERLITE™ HPR1300 H Ion Exchange Resin has previously been sold as DOWEX MF3ATHON™ 1300 H Ion Exchange Resin.

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Resin Pairing

Shows technically suitable cation/anion pairs for mixed bed, layered bed and condensate polishing

Applications

Recommended applications and conditions for the product

System Designs

Shows technically recommended system design options

Historical Reference


Previous product name shown for simplicity



Discontinuation Tech Fact: Necessary Information at Your Fingertips

Reason for change
Explanation as to why discontinued and what are the replacement products

Spec Comparison
Simplified sharing of core specs/features



Discontinuation of DOWMIL™ UPDURE™ Mono AS-200 Resin Exchange Resin

Introduction

Key Resin Parameters

Resin Parameter	DOWMIL™ UPDURE™ Mono AS-200	DOWMIL™ UPDURE™ Mono AS-200
Product Form	White to yellow translucent granules	White to yellow translucent granules
Particle Size (µm)	150-200	150-200
Particle Density (g/cc)	1.1	1.1
Flowability (g/100g)	10-15	10-15
Moisture Content (%)	0.1	0.1
Particle Size (µm)	150-200	150-200
Particle Density (g/cc)	1.1	1.1
Flowability (g/100g)	10-15	10-15
Moisture Content (%)	0.1	0.1
Particle Size (µm)	150-200	150-200
Particle Density (g/cc)	1.1	1.1
Flowability (g/100g)	10-15	10-15
Moisture Content (%)	0.1	0.1

Frequently Asked Questions

What are the general features of the replacement resin and what are its uses?

Answer: The replacement resin is a... (text continues)

Can the replacement resin be used in the same applications as the discontinued resin?

Answer: Yes, the replacement resin can be used in the same applications as the discontinued resin.

Will operating capacity change for the systems after installing the replacement product?

Answer: No, the replacement resin will maintain the same operating capacity as the discontinued resin.

Are there any differences in appearance between the replacement and discontinued resins?

Answer: No, the replacement resin has the same appearance as the discontinued resin.

Are there any differences in physical characteristics between the replacement and discontinued resins?

Answer: No, the replacement resin has the same physical characteristics as the discontinued resin.

Are there any differences in chemical characteristics between the replacement and discontinued resins?

Answer: No, the replacement resin has the same chemical characteristics as the discontinued resin.

Are there any differences in safety characteristics between the replacement and discontinued resins?

Answer: No, the replacement resin has the same safety characteristics as the discontinued resin.

Are there any differences in handling characteristics between the replacement and discontinued resins?

Answer: No, the replacement resin has the same handling characteristics as the discontinued resin.

Are there any differences in storage characteristics between the replacement and discontinued resins?

Answer: No, the replacement resin has the same storage characteristics as the discontinued resin.

Are there any differences in transportation characteristics between the replacement and discontinued resins?

Answer: No, the replacement resin has the same transportation characteristics as the discontinued resin.

Are there any differences in disposal characteristics between the replacement and discontinued resins?

Answer: No, the replacement resin has the same disposal characteristics as the discontinued resin.

FAQ
Covers most common frequently asked questions about replacing one resin with another



■ AMBERLITE™ Ion Exchange Resin Portfolio Naming Convention

		Application	Trademark & Prefix Differentiator
IWT Demin		Organic Scavengers	AMBERLITE™ SCAV
		Co-flow systems (Gaussian)	AMBERLITE™ IRC or IRA
		Ready-Made Mixed Beds	AMBERLITE™ MB
		High Efficiency (UPS) & Packed Beds	AMBERLITE™ HPR
Power		Condensate Polishing (UPS)	AMBERLITE™ HPR
		Nuclear Grade	AMBERLITE™ IRN



AMBERLITE™ Ion Exchange Resin Portfolio Naming Convention

- Product names harmonized to include delivered ionic form for simplicity and to reduce the risk of using a wrong product
- Ionic form is described with the chemical symbol without charge and valence, and without ()

	Resin Type	Delivered Ionic Form	Naming Convention	Example
Cations	WAC	Hydrogen	H	AMBERLITE™ IRC83 H
	SAC	Hydrogen	H	AMBERLITE™ HPR650 H
		Sodium	Na	AMBERLITE™ HPR1200 Na
Anions	WBA	Free Base	-	AMBERLITE™ HPR9600
	SBA	Chloride	Cl	AMBERLITE™ IRA900 Cl
		Hydroxide	OH	AMBERLITE™ HPR9000 OH
		Sulfate	SO4	AMBERLITE™ HPR9000 SO4
Mixed Beds	SAC & SBA	Hydrogen & Hydroxide	H/OH	AMBERLITE™ IRN150 H/OH
	SAC & SBA	Lithium7 & Hydroxide	Li/OH	AMBERLITE™ IRN217 Li/OH
	SAC & SBA	Lithium & Hydroxide	Li/OH	AMBERLITE™ IRN164 Li/OH
Inerts	Inert	-	i	AMBERLITE™ 14i

TRADENAME™_LETTERSNUMBERS_IONICFORM_DESCRIPTOR
 EXAMPLE: AMBERLITE™_HPR1600_H_ION_EXCHANGE_RESIN



AMBERLITE™ Ion Exchange Resin Portfolio: HPR IWT

- Highest-quality resin for use in industrial demineralization and softening applications when *high operating performance, long resin life, simplified and cost-effective operation* is required.
- Combines the best of DOWEX MONOSPHERE™, DOWEX MARATHON™, DOWEX™ UPCORE™ and AMBERJET™ Ion Exchange Resins
- Compatible with *all system technologies* and bed configurations:
 - Co-current, counter current systems, layered beds, packed beds such as DOWEX™ UPCORE™ and AMBERPACK™, mixed beds.

Typical Applications

- Demineralization, condensate polishing, mixed bed polishing, industrial softening, dealcalization



CURRENT NAME	NEW NAME	TYPE	MORPHOLOGY	MATRIX
DOWEX™ MARATHON™ C Na	AMBERLITE™ HPR1100 Na	SAC	Gel	Styrenic
DOWEX MARATHON™ 1200 H	AMBERLITE™ HPR1200 H	SAC	Gel	Styrenic
DOWEX MARATHON™ 1200 Na	AMBERLITE™ HPR1200 Na	SAC	Gel	Styrenic
DOWEX MARATHON™ 1300 H	AMBERLITE™ HPR1300 H	SAC	Gel	Styrenic
DOWEX MARATHON™ 1300 Na	AMBERLITE™ HPR1300 Na	SAC	Gel	Styrenic
DOWEX MONOSPHERE™ 650C H	AMBERLITE™ HPR650 H	SAC	Gel	Styrenic
DOWEX MARATHON™ 4200 Cl	AMBERLITE™ HPR4200 Cl	SBA	Gel	Styrenic
DOWEX MARATHON™ 4200 OH	AMBERLITE™ HPR4200 OH	SBA	Gel	Styrenic
DOWEX MARATHON™ 550A Cl	AMBERLITE™ HPR4700 Cl	SBA	Gel	Styrenic
DOWEX MARATHON™ 550A OH	AMBERLITE™ HPR4700 OH	SBA	Gel	Styrenic
AMBERLITE™ IRA458RF Cl	AMBERLITE™ HPR4580 Cl	SBA	Gel	Acrylic
AMBERLITE™ IRA478RF Cl	AMBERLITE™ HPR4780 Cl	SBA	Gel	Acrylic
DOWEX™ MARATHON™ A Cl	AMBERLITE™ HPR4800 Cl	SBA	Gel	Styrenic
DOWEX™ MARATHON™ A OH	AMBERLITE™ HPR4800 OH	SBA	Gel	Styrenic
DOWEX™ MARATHON™ 11	AMBERLITE™ HPR4811 Cl	SBA	Gel	Styrenic
DOWEX™ MARATHON™ A2	AMBERLITE™ HPR4100 Cl	SBA II	Gel	Styrenic
DOWEX MONOSPHERE™ 550A OH	AMBERLITE™ HPR550 OH	SBA	Gel	Styrenic
DOWEX MONOSPHERE™ 550A Cl	AMBERLITE™ HPR550 Cl	SBA	Gel	Styrenic
AMBERLITE™ IRA67RF	AMBERLITE™ HPR6700	WBA	Gel	Acrylic
AMBERLITE™ IRA70RF	AMBERLITE™ HPR7000	WBA	Gel	Acrylic
DOWEX™ MARATHON™ MSC	AMBERLITE™ HPR2900 H	SAC	Macro	Styrenic
DOWEX™ MARATHON™ MSC Na	AMBERLITE™ HPR2900 Na	SAC	Macro	Styrenic
DOWEX MARATHON™ 8300	AMBERLITE™ HPR8300 H	WAC	Macro	Acrylic
	AMBERLITE™ HPR8400 H	WAC	Macro	Acrylic
AMBERJET™ 9000 OH	AMBERLITE™ HPR9000 OH	SBA	Macro	Styrenic
AMBERJET™ 9000 SO4	AMBERLITE™ HPR9000 SO4	SBA	Macro	Styrenic
DOWEX MARATHON™ 9100 Cl	AMBERLITE™ HPR9100 Cl	SBA II	Macro	Styrenic
DOWEX™ MARATHON™ MSA	AMBERLITE™ HPR9200 Cl	SBA	Macro	Styrenic
DOWEX™ MARATHON™ WBA	AMBERLITE™ HPR9500	WBA	Macro	Styrenic
DOWEX MARATHON™ 9600	AMBERLITE™ HPR9600	WBA	Macro	Styrenic
AMBERLITE™ IRA96RF	AMBERLITE™ HPR9700	WBA	Macro	Styrenic

■ AMBERLITE™ Ion Exchange Resin Portfolio: IRC & IRA

- General-purpose demineralization and softening ion exchange resins with a long-established track record of reliable performance in the industry.
- These *industry staple* resins are designed to provide a long lifetime for co-flow regenerated systems in variety of industrial water treatment applications.

CURRENT NAME	NEW NAME	TYPE	MORPHOLOGY	MATRIX
AMBERLITE™ IR120 H	AMBERLITE™ IRC120 H	SAC	Gel	Styrenic
AMBERLITE™ IR120 Na	AMBERLITE™ IRC120 Na	SAC	Gel	Styrenic
AMBERLITE™ IRA402 Cl	AMBERLITE™ IRA402 Cl	SBA	Gel	Styrenic
AMBERLITE™ IRA458 Cl	AMBERLITE™ IRA458 Cl	SBA	Gel	Acrylic
AMBERLITE™ IRA410 Cl	AMBERLITE™ IRA410 Cl	SBA II	Gel	Styrenic
AMBERLITE™ IRA67	AMBERLITE™ IRA67	WBA	Gel	Acrylic
AMBERLITE™ 200C Na	AMBERLITE™ IRC200 Na	SAC	Macro	Styrenic
AMBERLITE™ IRC83	AMBERLITE™ IRC83 H	WAC	Macro	Acrylic
AMBERLITE™ IRA900 Cl	AMBERLITE™ IRA900 Cl	SBA	Macro	Styrenic
AMBERLITE™ IRA910 Cl	AMBERLITE™ IRA910 Cl	SBA II	Macro	Styrenic
AMBERLITE™ IRA96	AMBERLITE™ IRA96	WBA	Macro	Styrenic

Typical Applications

- Demineralization, industrial softening, dealkalization



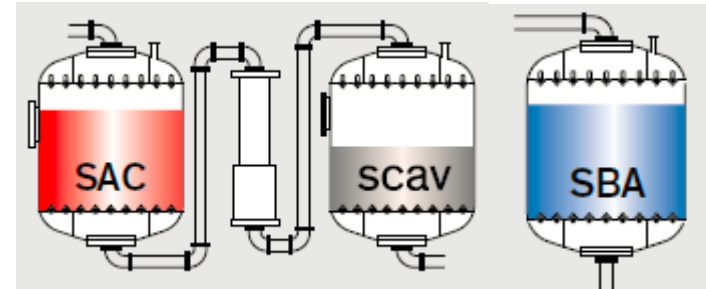
■ AMBERLITE™ Ion Exchange Resin Portfolio: SCAV

- Scavengers for the *removal of natural organic matter (NOM)* to *reduce the fouling potential* of water.
- Can be used:
 - As an integrated part of the demineralization system
 - As a stand-alone pretreatment for reverse osmosis or demineralization systems
- A new, innovative scavenger concept available

CURRENT NAME	NEW NAME	MORPHOLOGY	MATRIX
AMBERLITE™ SCAV1	AMBERLITE™ SCAV1	Gel	Acrylic
AMBERLITE™ SCAV2	AMBERLITE™ SCAV2	Macro	Acrylic
DOWEX™ TAN-1	AMBERLITE™ SCAV3 CI	Macro	Styrenic
AMBERLITE™ IRA958 CI	AMBERLITE™ SCAV4 CI	Macro	Acrylic

Typical Applications

- Scavenging, partial demineralization



■ AMBERLITE™ Ion Exchange Resin Portfolio: MB

- Fully regenerated, ready-to-use, gaussian pre-mixed resins developed for the production of high purity water in standard polishing applications.

Typical Applications

- Demineralization, metal erosion, small cartridge filtration

CURRENT NAME	NEW NAME	TYPE	MORPHOLOGY	MATRIX
AMBERLITE™ MB9L	AMBERLITE™ MB9L H/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ MB20	AMBERLITE™ MB20 H/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ MB6113	AMBERLITE™ MB6113 H/OH	SAC/SBA	Gel	Styrenic



■ AMBERLITE™ Ion Exchange Resin Portfolio: HPR for Power

- Highest-quality resin for use in condensate polishing when high operating performance, long resin life, simplified and cost-effective operation is required.
- Combines the best of DOWEX MONOSPHERE™, DOWEX MARATHON™ and AMBERJET™ Ion Exchange Resins

CURRENT NAME	NEW NAME	TYPE	MORPHOLOGY	MATRIX
DOWEX MONOSPHERE™ 650C H	AMBERLITE™ HPR650 H	SAC	Gel	Styrenic
DOWEX MONOSPHERE™ 1400PC H	AMBERLITE™ HPR1400 H	SAC	Gel	Styrenic
AMBERJET™ 1600 H	AMBERLITE™ HPR1600 H	SAC	Gel	Styrenic
DOWEX MONOSPHERE™ 550A OH	AMBERLITE™ HPR550 OH	SBA	Gel	Styrenic
DOWEX MONOSPHERE™ 550A Cl	AMBERLITE™ HPR550 Cl	SBA	Gel	Styrenic
AMBERJET™ 2000 H	AMBERLITE™ HPR2000 H	SAC	Macro	Styrenic
AMBERJET™ 2800 H	AMBERLITE™ HPR2800 H	SAC	Macro	Styrenic
AMBERSEP™ 252 H	AMBERLITE™ HPR252 H	SAC	Macro	Styrenic
AMBERJET™ 9000 OH	AMBERLITE™ HPR9000 OH	SBA	Macro	Styrenic
AMBERJET™ 9000 SO4	AMBERLITE™ HPR9000 SO4	SBA	Macro	Styrenic
AMBERSEP™ 900 OH	AMBERLITE™ HPR900 OH	SBA	Macro	Styrenic
AMBERSEP™ 900 SO4	AMBERLITE™ HPR900 SO4	SBA	Macro	Styrenic

Typical Applications

- Condensate polishing in the fossil and nuclear power industry



■ AMBERLITE™ Ion Exchange Resin Portfolio: IRN

- Designed specifically for use in nuclear loops where highest resin purity and stability are required, and where the "as supplied" resin must have a minimum of ionic and non-ionic contamination.
- Proven to be the premier resins chosen to protect nuclear power plants throughout the world.

Typical Applications

- In nuclear power industry: primary loop chemistry (CVCS), steam generator blowdown (SGBD), condensate polishing, rad waste, fuel pool
- In other industries: high purity applications such as laboratory water treatment



CURRENT NAME	NEW NAME	TYPE	MORPHOLOGY	MATRIX
AMBERLITE™ IRN77	AMBERLITE™ IRN77 H	SAC	Gel	Styrenic
AMBERLITE™ IRN97 H	AMBERLITE™ IRN97 H	SAC	Gel	Styrenic
AMBERLITE™ IRN99 H	AMBERLITE™ IRN99 H	SAC	Gel	Styrenic
AMBERLITE™ IRN78	AMBERLITE™ IRN78 OH	SBA	Gel	Styrenic
AMBERLITE™ IRN67	AMBERLITE™ IRN67	WBA	Gel	Acrylic
AMBERLITE™ IRN9652	AMBERLITE™ IRN9652 H	SAC	Macro	Styrenic
DOWEX™ C-75 NG H	AMBERLITE™ IRN9675 H	SAC	Macro	Styrenic
DOWEX MONOSPHERE™ MP-725A	AMBERLITE™ IRN9725 OH	SBA	Macro	Styrenic
AMBERLITE™ IRN9766	AMBERLITE™ IRN9766 OH	SBA	Macro	Styrenic
AMBERLITE™ IRN150	AMBERLITE™ IRN150 H/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ IRN160	AMBERLITE™ IRN160 H/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ IRN164	AMBERLITE™ IRN164 Li/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ IRN170	AMBERLITE™ IRN170 H/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ IRN360	AMBERLITE™ IRN360 H/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ IRN217	AMBERLITE™ IRN217 Li/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ IRN317	AMBERLITE™ IRN317 Li/OH	SAC/SBA	Gel	Styrenic
AMBERLITE™ IRN9687	AMBERLITE™ IRN9687 Li/OH	SAC/SBA	Macro	Styrenic
AMBERLITE™ IRN9882	AMBERLITE™ IRN9882 H/OH	SAC/SBA	Macro	Styrenic

■ AMBERLITE™ Ion Exchange Resin Portfolio: Inerts

CURRENT NAME	NEW NAME	TYPE	MORPHOLOGY	MATRIX	DESCRIPTION
AMBERLITE™ RF14	AMBERLITE™ 14i	inert	Polypropylene	Polypropylene	Floating inert resin specifically designed for use as an upper layer in down-flow regenerated ion exchange systems, such as floating beds.
DOWEX™ UPCORE™ IF-62	AMBERLITE™ 62i	inert	Polyethylene	Polyethylene	Floating inert resin with properties specifically designed for use as an upper layer in up-flow regenerated ion exchange systems, such as UPCORE™ Packed Bed Systems.
DOWEX MONOSPHERE™ 600i	AMBERLITE™ 600i	inert	Gel	Acrylic	Non-functionalized bead designed to create an inert zone between the functional resins in mixed beds. Used in condensate polishing systems for the electrical power generation industry and in other high-purity mixed bed systems when the use of inert is preferred.



AMBERLITE™ 62i



AMBERLITE™ 14i



AMBERLITE™ 600i



Available Packaging Options




Packaging Options

- Available packaging options vary from small bags to bulk packaging for flexibility and convenience.
- Please refer to the full list of offering by product for detailed availability

Variation in Packages Received

- Visual differences in labels/ packaging may be observed depending on sourcing location
- This is normal and will not have an impact on the product quality of performance.



Drums	 5 ft ³ Fiber 50 L & 200 L Plastic
Bag	 25 L Plastic
Bulk Packaging	 1,000 L FIBC/ Supersack

■ Critical Dates for Dow Ion Exchange Portfolio Transition

Transitional timelines are set to ensure smooth transition between portfolios

Category	Date of 1 st notification “pre-launch”	Impacted Products	Order Entry Availability “launch”	Last Order Date	First Available Ship Date	Last Order Ship Date*
Discontinued brands/products to be re-named	June 1 st 2018	Current DOWEX MONOSPHERE™, DOWEX MARATHON™, DOWEX™, AMBERJET™, AMBERSEP™ and AMBERLITE™ products	Now	Oct 30 th 2018	as lead time allows	Dec 31 st 2018
Obsoleted products	June 1 st 2018	Duplicate chemistries/products in the DOWEX MONOSPHERE™, DOWEX MARATHON™, DOWEX™, AMBERJET™, AMBERSEP™ and AMBERLITE™ families and MICROIONEX™	Now	Oct 30 th 2018	as lead time allows	Dec 31 st 2018
NEW PORTFOLIO FOR IWT & POWER	June 1 st 2018	Consolidated AMBERLITE™ Portfolio	Aug 1st 2018	-	as lead time allows	-



*Or per lead time given at the order entry.

■ Standing by You Beyond the Products

Providing the support you need to operate productively and minimize unscheduled outages

- **Technical Service & Development** – at any point in the design and operation to optimize performance
 - Water quality evaluation
 - System design consultation with our WAVE design software
 - Monitoring and analyzing operational data
 - Troubleshooting and problem solving
- **Research and Development** – partnering with the water treatment industry for decades, with a history of innovations in ion exchange and membrane technologies driving key improvements in productivity and efficiency
 - Address specific local water conditions and requirements, with a holistic focus on water quality and component-based design and research, providing improved performance





**- Thank
You**

www.dow.com/AMBERLITE