

About Ocean Chemical

Bridging the Pacific for High-Quality, High-Service Chemical Solutions

Ocean Chemical is your trusted partner with the expertise and efficiency of Shandong Brother Sci. & Tech. Co., LTD. out of China. This partnership offers:

- **Same-Day Response** Ask the industry experts directly to receive the technical support you need, when you need it.
- **Cost Savings** Bypass middlemen to access the highest quality products at the best possible prices.
- **Responsive, Transparent Support** Our U.S.-based team provides personalized attention and keeps you informed every step of the way.
- **Just-In-Time Delivery** Our strategically located distribution centers in the U.S., including Evansville, IN, ensures your critical projects get the materials they need, on time and on budget.
- **Full Product Suite** From our proven brominated and non-halogenated flame retardants to custom-engineered solutions, our technical team works with you to solve the challenges of the day.

With Ocean Chemical, you can count on premier products combined with the white-glove service you deserve. Experience the difference of a true partner committed to your success.

Please visit our websites at: www.oceanchemical.com & www.oceanchemie.com

Shandong Brothers Science & Technology



Product List

Halogenated
Environmental Friendly - Non Halogenated
Synergists
Metal Hydroxides
Smoke Suppressants
Masterbatches

Shandong Brothers Sci. & Tech. Co., LTD & Ocean Chemical LLC

This document is for informational purposes and not to be used for any other reason. All content is material of Shandong Brothers Sci. & Tech., Co., LTD and their partner Ocean Chemical. All rights reserved. The content of this publication including but not limited to all written material, content layout, images, formulas, and code, are protected under international laws. No part of this publication may be modified, manipulated, reproduced, distributed, or transmitted in any form by any means, including photocopying, recording, or other electronic or mechanical methods, without prior written permission of the publisher, except in the case of certain noncommercial uses permitted by copyright law.

<https://oceanchemical.com>

<https://oceanchemie.com>

Halogenated

Product Name	Chemical Name	CAS #	EC #	Appearance	Assay %	Melt C°	Compatibility
XZ-2300	Tris(tribromophenoxy)-s-triazine	25713-60-4	426-040-2	White Powder	99.50%	165	HIPS, PBT, PS, ABS, PET, PP, GF+PBT, GF+ABS, GF+PS
XZ-4100	Brominated Epoxy Polymer	135229-48-0	603-911-7	Off-White Powder	53%-55% - Br	180-210	PBT, PET, PET/PBT, PC, ABS, PC/ABS, HIPS, SAN, PA (Nylon), PS
XZ-5100	Tetrabromobisphenol A Bis (Allylether)	25327-89-3	246-850-8	White Powder	51% - Br	228-230	PS, EPS
XZ-5200	Phenoxy-terminated carbonate oligomer of Tetrabromobisphenol A	94334-64-2	619-012-8	White Powder	52% - Br	180-210	HIPS, PC, ABS
XZ-5300	2,4,6-Tribromophenyl-terminated Carbonate oligomer of tetrabromobisphenol A	71342-77-3	615-282-6	White Powder	58% - Br	115-120	PBT, PET, PBT/PETBlends, PC, ABS, PC/ABS Blends, HIPS, PSU, SAN
XZ-5800	Tetrabromobisphenol-A	79-94-7	201-236-9	White Crystalline Solid	58% - Br	180-210	EP, ABS
XZ-6000	Dibromoneopentyl glycol	3296-90-0	221-967-7	White Crystalline Powder	60% - Br	230-260	Unsat PE, PU Foams, CFC Free Foams
XZ-6100	Tetrabromo Phthalic Anhydride	632-79-1	211-185-4	Off White Powder	67% - Br	181	Unsat/Sat PE, Rigid PU Polyols, esters, & imids
XZ-6200	Tetrabromo bis(2ethylhexyl) ester	26040-51-7	247-426-5	Light Yellow Liquid	>95% - >44% Br	109.5	PVC, Neoprene Rubber, Wire & Cable, Film & Sheetting, Carpet Backing, Coated Fabrics
XZ-6300	Chlorendic anhydride	115-27-5	204-077-3	Crystal	57% - Cl	275	Unsat PE, UV Stability - Alkyd, PU, PE, Epoxy, Hardener - Epoxy, Paint, Coating
XZ-6400	Poly(2,6-dibromophenol)ether	69882-11-7	TBD	White Powder	64% - Br	-20	PPO, PPO/HIPS
XZ-6500	Tris (2,3-dibromopropyl) isocyanurate	52434-90-9	257-913-4	White Powder	65% - Br	235-239	Polyolefins, PVC, PE, ABS, PU, Wire & Cable, Rubber
XZ-6600	3,5-dibromo-4-(2,3-dibromopropoxy) diphenyl Sulfone (Octabromobisphenol S)	42757-55-1	255-929-6	White Powder	65% - Br	210	PP, PE, PS, ABS, Rubber, Electronics
XZ-6700H	Brominated Polystyrene - 7	88497-56-7	618-171-0	Off White Powder	67% - Br	105-115	PA (Nylon), PE, PET, PBT
XZ-6700L	Brominated Polystyrene - 3	88497-56-7	618-171-0	Off White Powder	67% - Br	115-120	PA (Nylon), PE, PET, PBT, PCT
XZ-6800	TetraBromobisphenol A Bis (2,3-dibromopropyl ether)	21850-44-2	244-617-5	White Granular	67% - Br	260	PP, PE, Wire & Cable. EPS
XZ-68T	1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene]	97416-84-7	306-832-3	White Powder	65% - Br	108	HBCD Replacement, EPS, XPS
XZ-7000	Tris(tribromoneopentyl)phosphate	19186-97-1	606-254-4	White Powder	70% - Br	162	PP, HIPS
XZ-8200	Ethane-1,2-bis(pentabromophenyl)	84852-53-9	284-366-9	White Powder	81% - Br	105-117	PP, PE, HIPS, Wire & Cable. Packaging
XZ-9300	white Ethylenebis Tetrabromo Phthalimide	32588-76-4	251-118-6	White Granules	81% - Br	181	HIPS, Wire & Cable, PC

For TDS or SDS inquiries please feel free to contact us

sales@oceanchemie.com

Environmentally Friendly - Non Halogenated

Product Name	Chemical Name	CAS #	EC #	Appearance	Assay %	Melt C°	Compatibility
OC-APP002	Ammonia Phosphate: Phosphate 30% Nitrogen 14%	68333-79-9	269-789-9	White Powder	P 30% / N > 14%	275	Unsat PE, Acrylic, Coatings, Laminates, & Reinforced Materials
OC-APP002T	Ammonia Phosphate: Phosphate 28% Nitrogen 17-18%	68333-79-9	269-789-9	White Granules	P 28% / N 17-18%	275	Unsat PE, Acrylic, Coatings, Laminates, & Reinforced Materials
OC-APPW	Ammonia Phosphate: Phosphate 20% Nitrogen 24%	68333-79-9	269-789-9	White Powder	P 20% / N 24%	275	Unsat PE, Acrylic, Coatings, Laminates, & Reinforced Materials, Water Based coatings
OC-APP750	Ammonia Phosphate: Phosphate 21% Nitrogen 12%	68333-79-9	269-789-9	White Powder	P 21% / N 12%	275	Unsat PE, Acrylic, Coatings, Laminates, & Reinforced Materials
OC-5500	Oligomeric phosphate ester polyol	184538-58-7	606-033-2	Pale Yellow Liquid	P 16-18%	110	Foams, Cushions, PU, Insulation
OC-ADEP	Organic Aluminum Phosphinate	225789-38-8	428-310-5	White Powder	P 18.7 - 19.7%	>300	PP, PA, PBT, PET
OC-BDP	Bisphenol A bis-(diphenylphosphate)	5945-33-5	611-829-8	Colorless Liquid	85%	>300	HIPS, PC/ABS
OC-KSS	Potassium diphenyl sulphone sulphonate	63316-43-8	264-097-3	White Powder	70-80%	300	PC/ABS
OC-MCA	Melamine Cyanurate	37640-57-6	253-575-7	White, Crystalline Powder	99.50%	340	PA (Nylon)
OC-MPP	Melamine Polyphosphate	20208-95-1	243-601-5	Crystalline Powder	P 13-14% / N 44%	330	PA (Nylon), Coating
OC-NFSAK	Nonafluorobutane-1-sulfonic acid potassium salt	29420-49-3	249-616-3	White to Yellow Powder	98%	271	With RDP or BDP for PC/ABS
OC-P4100	Aluminum Hypophosphite	7784-22-7	479-150-8	White Powder	P 41-42% / Al 12%	>300	TPU, PU, TPE, PP, PBT, GF-PBT
OC-PO21	Piperazine pyrophosphate / Phosphoric acid, compound	66034-17-1	457-330-7	White Powder	P 18-21% / N 20-23%	>280	PP, PE, HDPE, LDPE, EVA
OC-PO31	Piperazine pyrophosphate / Phosphoric acid / ZB, compound	66034-17-1	457-330-7	White Powder	P 22% / N 20%	>280	PP, PP-GF, PE, HDPE, LDPE, EVA
OC-PX220	Aryl Polyphosphonates	51732-57-1 (>95%) 115-86-6 (<5%)	TBD	White Powder	>95% / <5%	98	PC/ABS, PPO, PPO/HIPS
OC-RDP	Tetraphenyl resorcinol bis(diphenylphosphate)	57583-54-7	701-337-2	Light Yellow Liquid	Oligomer	242-D	PC/ABS
OC-TPP	Triphenyl phosphate	115-86-6	204-112-2	White Flakes	99%	48.5	EP
OC-PDOPO	9,10-Dihydro-9-oxa-10-phosphaphenathrene 10-oxide	35948-25-5	252-813-7	Crystal	100%	118	Epoxy Resins, PCB, Color Protection, PE Fiber Fabrics

For TDS or SDS inquiries please feel free to contact us

sales@oceanchemie.com

Synergists

Product Name	Chemical Name	CAS #	EC #	Appearance	Assay %	Melt C°	Compatibility
OC-ATOS-E	ATO Replacement - Masterbatch of LLDPE Resin with ATO, APO, Magnesium Silicate Hydrate	Mixer	NA	White Granules	50-55%	375	With BFR in HIPS, ABS, PP, PA, PBT & PC
OC-ATOS Series	ATO Replacement - Mixer of ATO, MDH, ZB	Mixer	NA	White Powder	50-55%	300	With BFR in PVC, EVA, Rubbers
OC-ATO	Antimony TriOxide	1309-64-4	215-175-0	White Powder	99.3-99.9%	375	With BFR in Plastics/Rubbers/Paints/Textiles/Electronics. Customer select grade.
MB-ATO80PP	Masterbatch of Antimony TriOxide in PP	1309-64-4	215-175-0	White Granules	70-90%	375	With BFR in PVC, EVA, Rubbers, Electronics
MB-ATO80PE	Masterbatch of Antimony TriOxide in PE	1309-64-4	215-175-0	White Granules	70-90%	375	With BFR in PVC, EVA, Rubbers, Electronics
MB-ATO80PA6	Masterbatch of Antimony TriOxide in PA6	1309-64-4	215-175-0	White Granules	70-90%	375	With BFR in PVC, EVA, Rubbers, Electronics

Metal Hydroxides

Product Name	Chemical Name	CAS #	EC #	Appearance	Assay %	Melt C°	Compatibility
OC-ATH	Aluminium Hydroxide	21645-51-2	244-492-7	White Powder	99.40%	220	Plastics
OC-MDH100	Magnesium DiHydroxide - Crystalline Structure - Untreated	1309-42-8	215-170-3	White Powder	>99.0%	330	Polyolefin, EVA, Rubber
OC-MDHS98	Magnesium DiHydroxide - Crystalline Structure - Treated - Amino Silane	1309-42-8	215-170-3	White Powder	>96.5%	330	Polyolefin, EVA, Rubber
OC-MDHS99X	Magnesium DiHydroxide - High Purity & Crystalline Structure - Treated	1309-42-8	215-170-3	White Powder	>98.0%	330	Polyolefin, EVA, Rubber
OC-MDHS99V	Magnesium DiHydroxide - Crystalline Structure - Treated - Vinyl Silane	1309-42-8	215-170-3	White Powder	>98.0%	330	Polyolefin, EVA, Rubber
OC-MDHS99C	Magnesium DiHydroxide - Crystalline Structure - Treated - Alkyl Silane	1309-42-8	215-170-3	White Powder	>98.0%	330	Polyolefin, EVA, Rubber
OC-MDHS99A	Magnesium DiHydroxide - Crystalline Structure - Treated - Amino Acid	1309-42-8	215-170-3	White Powder	>98.0%	330	Polyolefin, EVA, Rubber
OC-MDHS99F	Magnesium DiHydroxide - Crystalline Structure - Treated - Fatty Acid	1309-42-8	215-170-3	White Powder	>98.0%	330	Polyolefin, EVA, Rubber
OC-S12	Magnesium DiHydroxide - Irregular Structure - Treated/Untreated	1309-42-8	215-170-3	White Powder	>96.5%	330	Polyolefin, EVA, Rubber

Smoke Suppressants

Product Name	Chemical Name	CAS #	EC #	Appearance	Assay %	Melt C°	Compatibility
OC-AOM	Ammonium Octamolybdate	12411-64-2	235-650-6	White Powder	61% - Mo / 5.43% - NH3	165	PVC, Alloys, Adhesives, PU
OC-ZHS	Zinc hydroxystannate	12027-96-2	404-410-4	White Powder	Sn > 40% / Zn > 21%	180	ATO Replacement, Polyolefins & PVC
OC-ZS	Zinc Stannate	12036-37-2	601-699-0	White Powder	Sn > 40% / Zn > 21%	180	ATO Replacement, Polyolefins & PVC
OC-ZB200	Zinc borate (2ZnO .3B2O3 . 3.5H2O) 1-3 um	138265-88-0	215-566-6	White Powder	99%	980	Coating
OC-ZB400	Zinc borate (2ZnO .3B2O3 . 3.5H2O) 3-5 um	138265-88-0	215-566-6	White Powder	99%	980	Coating
OC-ZB800	Zinc borate (2ZnO .3B2O3 . 3.5H2O) 8-10 um	138265-88-0	215-566-6	White Powder	99%	980	Coating

Masterbatches

Product Name	Chemical Name	CAS #	EC #	Appearance	Assay %	Melt C°	Compatibility
ATO MB	ATO Masterbatch with Customer Selected Resin	1309-64-4	215-175-0	White Granules	70% - 90%	656	With BFR in Plastics/Rubbers/Paints/Textiles/Electronics
BFR MB	BFR Masterbatch with Customer Selected Resin	Customer Select	Customer Select	White / Off White Granules	70% - 90%	NA	Customer Select BFR & Resin

For TDS or SDS inquiries please feel free to contact us

sales@oceanchemie.com



Get same day response for your flame-retardant needs

Schedule a quick 15-minute meeting to solve your flame-retardant challenges

<https://calendly.com/schollerkent/15-minute-meeting>

Contact our Director of Sales for your direct flame-retardant solutions

grants@oceanchemie.com

For TDS or SDS inquiries please feel free to contact us

sales@oceanchemie.com

Visit our website to learn more about our services and flame-retardant solutions

www.oceanchemie.com