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Only one,
The World's First!

—
Polyester Polyols

—
Catalysts

 **SEHOTECH**



ECO-FRIENDLY COMPANY SEHOTECH! “We think of the environment and strive for a better future.”

We, Sehotech Inc., strive to become a company trusted by the world with a sense of responsibility for the environment and society by providing solutions tailored to customers with differentiated products that are top of the range. Founded in 1986, we produce precision chemicals based on polyurethane materials.

Polyurethane is the world’s most commonly used everyday product. Polyurethane foams, in particular, are used for automotive and architectural products, and we provide the industry with basic raw materials. We will do our best to help make products for end customers with a high level of completion in the market. We always put environmental protection first. We recycle products that are assumed to be no longer usable as we constantly concern ourselves with the environment.

We will do our best to grow into a company that is admired by outstanding people all over the world through a long-term vision, not just pursuing immediate benefits. Thank you.

Sehotech Inc.

History

2019	10	Patent application for MOCA replacement curing agent manufacturing method
2018	10	Patent application for low-toxic MDI manufacturing method
2016	12	Iksan headquarter polyol production facility expansion
	11	Patent application for manufacturing method of biopolyol using eco-friendly materials
	07	Designated as Jeollabukdo leading company Changed company name to SEHOTECH Inc. and HQ integration (Iksan HQ plant, Gimhae Branch plant)
2013	08	Plant registration of Iksan plant 2
	05	Completion of Iksan plant 2
	01	Corporate R&D center establishment and certification
2011	11	Three million dollar export tower award
	09	Patent application for tin-free, non-toxic organic metal catalyst and its manufacturing method
2009	02	Patent application for tin-free, non-toxic organic metal catalyst and its manufacturing method
2007	11	Million dollar export tower award
	05	Factory expansion and relocation (Based in 271-2 Anha-ri, Hallim-myeon, Gimhae-si, Gyeongsangnam-do)
2006	10	Certificate of INNOBIZ
	04	Certificate of venture business
	03	Acquisition for 14001
2005	04	Acquisition for ISO 14001
2004	12	Started production of 1-liquid type PU foam
	10	Expansion of system polyol production for 20,000 tons per year
2003	10	Selected for a technology-intensive SME Establishment of Indian Liaison Office (based in Chennai City, India)
2002	02	Acquisition for ISO 9001 Selected as an export-oriented SME (SMBO)
2001	08	Production facility for 12,000 ton of polyol
	07	Acquisition of Patent for polyol synthesis used with waste material
2000	12	Successful composition of world's first non-toxic metal catalyst for the polyurethane resin
1999	05	Technology-intensive SMEs Change company name Sehotech Inc.
1998	10	Member of the Korea chemical venture association
	08	Establishment of own factory (4,200 square meters of land, 1,600 square-meter building)
1997	12	Member of the Korea precision chemical promotion association
1993	06	China factory establishment (100% solely invested company, based in Simyang (Shenyang) city)
1992	08	Import & export of a basic chemical material
1986	02	Establishment of DongWha industry

POLYESTER POLYOL & SYSTEM POLYOL

RIGID POLYESTER POLYOL

Product	Appearance	Viscosity (@25°C, CPS)	Hydroxyl Number (mgKOH/g)	Water Content (Max %)	Applications	Characteristics
SP-150	Clear Brown	60,000 ± 10,000	150 ± 10	0.5	PIR/PUR	-
SP-190	Clear Brown	3,000 ± 500	200 ± 10	0.5	PIR/PUR	-
SP-200	Clear Brown	30,000 ± 10,000	200 ± 10	0.5	PIR/PUR	-
SP-240Y	Clear Brown	900 ± 200	240 ± 20	0.5	PIR/PUR	-
SP-240P	Clear Brown	8,500 ± 1,000	245 ± 10	0.5	PIR/PUR Application Laminate boards, Metal panels	-
SP-240SA	Clear Brown	3,500 ± 700	240 ± 10	0.5	Laminate boards, Metal panels, Appliances	Provides good flow Improves HC & HFC stability
SP-250Y	Clear Brown	5,000 ± 500	240 ± 20	0.5	Metal panels, Spray foams, Appliances, Pour-in place	Improves thermal resistance
SP-250R	Black	17,000 ± 3,000	260 ± 20	0.5	PIR/PUR Application Laminate boards, Metal panels	-
SP-320GA	Clear Brown	3,000 ± 500	320 ± 20	0.5	Spray foams, Bunstock, Pour-in place	Improves thermal resistance
SP-320N	Clear Brown	3,300 ± 500	320 ± 20	0.5	Spray foams, Bunstock, Pour-in place	High stability with HC & HFC
SP-330AP	Clear Brown	8,000 ± 2,000	320 ± 20	0.5	Metal panels, Spray foams, Appliances, Bunstock, Pour-in place	Improves green strength & thermal resistance

SPRAY FOAM SYSTEM

Product	FRD(kg/m ³)	Core Density(kg/m ³)	Applications	Blowing Agent
SH-510W	10	12~15	Water-blown flexible foam	H ₂ O
SH-517	17	24~26	Semi-rigid foam	141b
SH-524	24	28~32	Internal insulation	141b
SH-526	26	30~34	Internal insulation	141b
SH-528	28	32~36	Internal insulation	141b
SH-528F	28	32~36	Internal insulation (Reinforced with flame retardation)	141b

INJECTION FOAM SYSTEM

Product	FRD(kg/m ³)	Core Density (kg/m ³)	Applications	Blowing Agent
SH-424S	18~25	40	Sandwich panel, board	141b / c-pentane / etc.
SH-425R	18~25	40	Refrigerator, Show case	141b / c-pentane / etc.
SH-430	20~35	40~80	Building & Construction Insulation	141b / c-pentane / etc.
SH-480	80~350	100~450	Composite wood	H ₂ O
SH-408	8~10	12	Packaging	H ₂ O
SH-435	35~40	60~80	Pipeline	H ₂ O
SH-403	30~100	60~400	ISF	141b / etc.
SH-490	100~200	400~800	Injection molding	H ₂ O

CATALYSTS

ESCAT® | AMINE CATALYSTS

Product	Description	Specific Gravity (g/mol @25°C)	Flash Point (@°C)	Viscosity (@25°C, cps)
ESCAT® L-33	Triethyldiamine 33% in DEG	1.035	101	< 100
ESCAT® PC-5	PMDETA	0.83	77	2
ESCAT® PC-8	DMCHA	0.849	41	1

ESCAT® | TIN CATALYSTS

Product	Description	Specific Gravity (g/mol @25°C)	Flash Point (@°C)	Viscosity (@25°C, cps)
ESCAT® T-9	Stannous Octoate / faster than T-12 / 29%	1.251	137	-
ESCAT® T-12	DBTDL / 18%	1.025~1.040	150	100
ESCAT® T-1	DBTDA / faster than T-12 / 33%	1.32	150	18
ESCAT® 100E	MOT, DOT / slower than T-12 / 18.8%	1.05	120	-
ESCAT® 180b	MMT, DMT, TMT / same as T-12 / 15%	1.14	< 14	-
ESCAT® 320	MMT, DMT, TMT / faster than T-12 / 23%	1.14	153	< 3,500

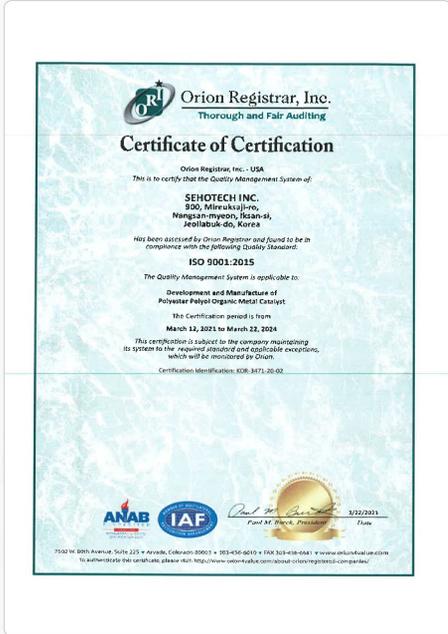
ESCAT® | BISMUTH CATALYSTS

Product	Description	Specific Gravity (g/mol @25°C)	Flash Point (@°C)	Viscosity (@25°C, cps)
ESCAT® B-75	Bismuth Tris-2-Ethylhexanoate / Bi 24%	1.2 ± 0.02	42	< 100
ESCAT® B-200N	Bismuth Neodaecanoate / BiCAT 8106 / Bi 20%	1.130~1.150	120	< 3,000
ESCAT® B-9020N	Bismuth Neodaecanoate Neodecanoic Acid / BiCAT 8118 / Bi 16%	1.13	120	< 3,000
ESCAT® B-E100	Bismuth Tris-2-Ethylhexanoate / Bi 9%	0.998	114	< 100

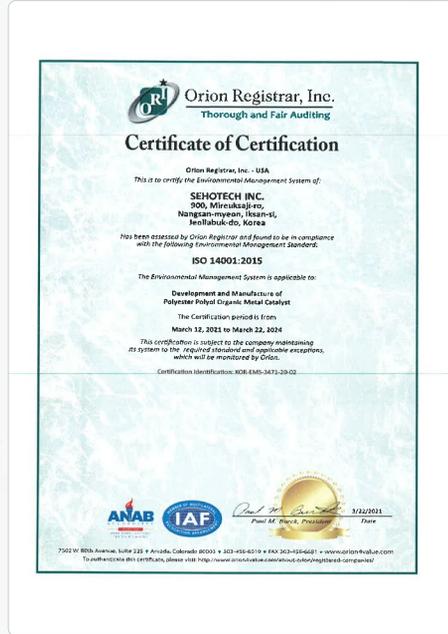
ESCAT® | SPECIAL CATALYSTS

Product	Description	Specific Gravity (g/mol @25°C)	Flash Point (@°C)	Viscosity (@25°C, cps)
ESCAT® K-15	Potassium A 2- Ethylhexanoate / K 15%	1.1	137	< 3,000
ESCAT® T-45	Potassium A 2- Ethylhexanoate / K 12.5%	1.1	137	< 3,000
ESCAT® 100Ag-18kmn	Bismuth compound	1.185	42	< 3,000
ESCAT® SZO-220	Zinc-2-Ethylhexanoate / BiCAT 3228 / Zn 22%	-	-	< 45,000
ESCAT® TnBT	Tetra N-Butyl Titanate / Ti 14.1%	0.99	> 40	70
ESCAT® TIPT	Tetra Isopropyl Titanate / Ti 16.8%	0.96	> 46	3
ESCAT® B-9022-8	Bismuth / Zinc Carboxylate Mixture / BiCAT 8 / Bi 8% / Zn 8%	1.03	120	< 10,000

CERTIFICATION & PATENTS



ISO 9001



ISO 14001



01



02

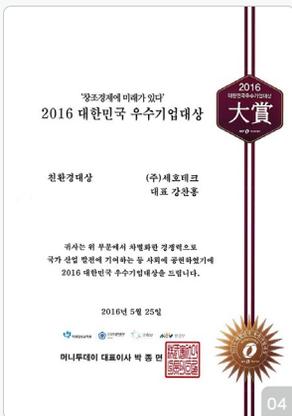


03

01 Polyether polyol mixture of different types and how to manufacture them

02 Composition method of regenerated polyols from waste polyurethane foam and Polyurethane foam composition using recycled polyols manufactured using the above method

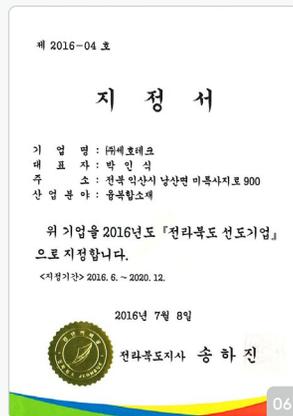
03 Tin-free, non-toxic organic metal catalyst and its manufacturing method



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05



06

04 2016 Korea best company grand award

05 2017 Consumer preferred brand grand award

06 Sehotech Inc. Jeollabukdo leading company designation

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