MONSANTO INDUSTRIAL CHEMICALS COMPANY

FUNCTIONAL PRODUCTS GROUP

SPECIALTY PRODUCTS

Bulletin Number 73-195

December 7, 1973

DIELECTRIC FLUIDS

Attached are temporary price sheets on dielectric fluids. The new prices are scheduled to go into effect January 1, 1974.

Please note the following:

1. All prices are increased by $0.03/lb. except Aroclor 1221, 1232 and Inerteen 100-42.

2. Aroclor 1221 and 1232 are increased by $0.04/lb. and Inerteen 100-42 by $0.045/lb.

3. 30-gallon drums of transformer fluids have been discontinued.

4. Inerteen 54201CM (Inerteen 100-42) has been deleted from the price book because it is an internal code for certain Westinghouse locations only. All Westinghouse locations except Phoenix, Sharon, and South Boston should be sold Inerteen 100-42.

5. Pyranol A13B3B-3 has replaced Pyranol A13B3B-2 (see S.I.B. 126, November 20, 1973).

P. G. Benignus

/pep
Attachments

0010119

TOWOLDMON0020475
WATER_PCB-00004944

Reduce to Price Book size

Temporary Price Sheet

Effective ~~4-1-72~~ 1-7-74

Supersedes ~~2-1-71~~ 4-1-72

CAPACITOR AROCLOR 1221 and 1232

(For Electrical Industry Only)

SALE RESTRICTED TO APPROVED CAPACITOR MAKERS

TERMS Net 30 days

DELIVERY

Domestic F.O.B. Sauget, Ill.

Export F.A.S. New York and New Orleans Ports only.

PRICES U.S. $ per Lb. Minimum Order $40.

Domestic Prices

	Tank Cars** 4,000 Gal. & 8,000 Gal.	55-Gal. Drum—Code 30		5-Gal. Drum Code 24 See Below
		CL/TL*	LTL	
AROCLOR 1221 1040-225-16-003 AROCLOR 1232 1040-230-16-003	~~.280~~ lb. .260 lb.	~~.285~~ lb. .275 lb.	~~.295~~ lb. .295 lb.	~~.340~~ lb. .400 lb.

Export Prices

	MINIMUM QUANTITY			
AROCLOR 1221 AROCLOR 1232	24,000 Lbs.	5,000 Lbs.	1,000 Lbs.	500 Lbs.
FAS New Orleans	~~.250~~ lb. .240	~~.285~~ lb. .325	~~.290~~ lb. .353	.305 lb. .345
FAS New York	~~.260~~ lb. .250	.300 lb. .340	~~.345~~ lb. .355	.330 lb. .370

*Truck load quantities — 24,000 lbs. net.

**TANKTRUCKS: Customer's trucks for dedicated PCB service only. Not handled in commercial carriers' equipment.

Orders for this electrical grade Aroclor should be entered for shipment from manufacturing plant only. Do not ship from warehouses. Instruct plant to ship electrical grade material only.

STANDARD CONTAINERS Metal Drums

SUPER CODE	Type	Net Weight	Gross Wt. Approx.	Cubic Feet
AROCLOR 1221 00343C	55-gal.	520 lbs.	588 lbs.	10¾
	5-gal.	50 lbs.	55 lbs.	1
AROCLOR 1232 00345D	55 gal.	550 lbs.	618 lbs.	10¾
	5-gal.	50 lbs.	55 lbs.	1

Other Information: See Price Book.

0010120

TOWOLDMON0020476
WATER_PCB-00004945

Reduce to Price Book Size

Temporary Price Sheet

Effective 4-1-72
Supersedes 2-1-71

CAPACITOR AROCLOR 1016

(For Electrical Industry Only)

SALE RESTRICTED TO APPROVED CAPACITOR MAKERS

TERMS Net 30 days

DELIVERY

Domestic F.O.B. Sauget, Ill. or Los Angeles only.
Export F.A.S. New York and New Orleans Ports only.

PRICES U.S. $ per Lb. Minimum Order $40.

Domestic Prices

CAPACITOR AROCLOR 1016 1040-016-16-003	Tank Car** 4,000 Gal. & 8,000 Gal.	55-Gal. Drum—Code 30 CL/TL*	55-Gal. Drum—Code 30 LTL	5-Gal. Drum Code 34 See Below
FOB Sauget	~~.205~~ .235 lb.	~~.240~~ .270 lb.	~~.260~~ .290 lb.	~~.365~~ .395 lb.
FOB LA	—	~~.254~~ .315	~~.314~~ .340	.415 .445

Export Prices

CAPACITOR AROCLOR 1016	MINIMUM QUANTITY 24,000 Lbs.	5,000 Lbs.	1,000 Lbs.	500 Lbs.
FAS New Orleans	~~.255~~ lb. .285	~~.290~~ lb. .320	~~.295~~ lb. .325	~~.310~~ lb. .340
FAS New York	~~.265~~ lb. .295	~~.305~~ lb. .335	~~.320~~ lb. .350	~~.335~~ lb. .365

*Truck load quantities — 24,000 lbs. net.

**TANKTRUCKS: Customer's trucks for dedicated PCB service only. Not handled in commercial carriers' equipment.

Orders for this electrical grade Aroclor should be entered for shipment from manufacturing plant only. Do not ship from warehouses. Instruct plant to ship electrical grade material only.

STANDARD CONTAINERS Metal Drums

SUPER CODE	Aroclor	Type Container	Net Weight	Gross Wt. Approx.	Cubic Feet
02250A	1016	55-gal.	600 lbs.	668 lbs.	10¾
		5-gal.	55 lbs.	60 lbs.	1

SHIPPING CLASSIFICATION Rail - Plastic Synthetic Liquid NOIBN
Truck - Plastic Liquid NOIBN

Other Information: See Price Book

0010121

TOWOLDMON0020477
WATER_PCB-00004946

Reduce to Price Book Size

Temporary Price Sheet.

Effective ~~4-1-72~~ 1-1-74

Supersedes ~~2-1-71~~ 4-1-72

DIELECTRIC AROCLOR 1254

(For Electrical Industry Only)
(G.E. Pittsfield, Mass. & Rome, Ga.
Buy this Product under Code
Pyranol* A13B1)

SALE RESTRICTED TO APPROVED CUSTOMERS

TERMS Net 30 days

DELIVERY

Domestic F.O.B. Sauget, Ill.

Export F.A.S. New York & New Orleans Ports only.

PRICES U.S. $ per Lb. Minimum Order $40.

Domestic Prices

AROCLOR 1254 1040-280-16-003 OR PYRANOL A13B1 1040-281-16-003	Tank Car** 4,000 Gal. & 8,000 Gal.	55-Gal. Drum—Code 30		5-Gal. Drum Code 34 See Below
		CL/TL*	LTL	
	~~.195~~ lb. .225	~~.230~~ lb. .250	~~.250~~ lb. .280	~~.355~~ lb. .385

Export Prices

AROCLOR 1254	MINIMUM QUANTITY			
	24,000 lbs.	5,000 lbs.	1,000 lbs.	500 lbs.
FAS New Orleans	~~.245~~ lb. .275	~~.280~~ lb. .310	~~.285~~ lb. .315	~~.300~~ lb. .330
FAS New York	~~.255~~ lb. .285	~~.295~~ lb. .325	~~.310~~ lb. .340	~~.325~~ lb. .355

*Truckload quantities — 24,000 lbs. net.
**TANKTRUCKS: Not handled in Tanktrucks.

Orders for this electrical grade Aroclor should be entered for shipment from manufacturing plant only. Do not ship from warehouses. Instruct plant to ship electrical grade material only.

STANDARD CONTAINERS Metal Drums

SUPER CODE	Type	Net Weight	Gross Wt. Approx.	Cubic Feet
Aroclor 1254 00361C	55-gal.	600 lbs.	668 lbs.	10¾
	5-gal.	60 lbs.	65 lbs.	1
Pyranol A13B1 01896A	55-gal.	600 lbs.	668 lbs.	10¾
	5-gal.	60 lbs.	65 lbs.	1

SHIPPING CLASSIFICATION Rail - Plastic Synthetic Liquid NOIBN
Truck - Plastic Liquid NOIBN

*Licensed Trademark of General Electric Co.

Other Information: See Price Book

0010122

TOWOLDMON0020478
WATER_PCB-00004947

Reduce in size

(Temporary Price Sheet)

Effective 1-1-74 ~~4-1-72~~

Supersedes ~~8-1-71~~ 4-1-72

TRANSFORMER FLUIDS
INERTEEN* 70-30

(Westinghouse at Sharon, Pa., So. Boston, Va. and Canadian manufacturing locations order this product as Inerteen *54201KA for internal code reasons. Other Westinghouse locations purchase Inerteen* 70-30)

SALE RESTRICTED TO APPROVED TRANSFORMER MAKERS

TERMS Net 30 days.

DELIVERY

Domestic F.O.B. Sauget, Ill. Except West Coast Warehouse, F.O.B. Santa Clara, Ca. Freight collect

Export F.A.S. New York & New Orleans Ports only.

PRICES U.S. $ per lb. Minimum Order $40.

Domestic Prices

INERTEEN 70-30 1050-210-16-003 OR INERTEEN 54201 KA 1050-217-16-003	Tank Car** 4000 Gal. & 8000 Gal. Code 11	674-Lb. Drum—Code 30		360-Lb. Drum Code 31	60-Lb. Drum Code 34
		CL/TL*	LTL/LCL	LTL/LCL	LTL/LCL
F.O.B. Sauget, Ill.	~~.210 lb.~~ .240	~~.245 lb.~~ .215	~~.265 lb.~~ .215	~~.280 lb.~~ .360	.370 lb. .460
F.O.B. Ex. Whse. West Coast	—	~~.300 lb.~~ .330	~~.325 lb.~~ .345	.330 lb. .360	~~.420 lb.~~ .450

Export Prices

INERTEEN 70-30 OR INERTEEN 54201 KA	MINIMUM QUANTITY			
	24,000-Lbs.	5,000-Lbs.	1,000-Lbs.	500 Lbs.
FAS New Orleans	~~.260 lb.~~ .285	~~.295 lb.~~ .325	.300 lb. .330	~~.315 lb.~~ .345
FAS New York	~~.270 lb.~~ .295	~~.310 lb.~~ .340	.325 lb. .355	.340 lb. .370

*Truckload quantities—24,000 lbs. net.

**Tanktruck: Not handled in commercial carriers' equipment except for Santa Clara warehouse all orders for this product must be entered for shipment from manufacturing plant only.

STANDARD CONTAINERS Metal Drums

SUPER CODE	Type	Net Weight	Gross Wt. Approx.	Cubic Feet
INERTEEN 70-30 00360A	55-gal.	674 lbs.	742 lbs.	10¾
	~~30-gal.~~	~~360 lbs.~~	~~406 lbs.~~	~~6-1/12~~
INERTEEN 54201 KA 02206A	5-gal.	60 lbs.	65 lbs.	1

SAMPLES 8-ounces. Mailable.

*Licensed Trademark of Westinghouse Electric Co.

Other Information : See Price Book

0010123

TOWOLDMON0020479
WATER_PCB-00004948

Reduce to Price Book size

Temporary Price Sheet

Effective ~~4-1-72~~ 1-1-74

Supersedes ~~2-1-71~~ 4-1-72

TRANSFORMER FLUIDS
INERTEEN* 100-42

(Westinghouse at Sharon, Pa., So. Boston, Va. and Phoenix, Ariz. order this product as Inerteen 54201CM for internal code reasons. Other Westinghouse locations purchase Inerteen *100-42)

SALE RESTRICTED TO APPROVED TRANSFORMER MAKERS

TERMS Net 30 days

DELIVERY

Domestic F.O.B. Sauget, Ill.

Export F.A.S. New York & New Orleans Ports only.

PRICES U.S. $ per lb. Minimum order $40.

Domestic Prices

INERTEEN 100-42 1050-215-16-003 ~~OR~~ INERTEEN 54201 CM 1050-216-16-003	Tank Car** 4000 Gal. & 8000 Gal. Code 11	600-Lb. Drum—Code 30		~~320-Lb. Drum Code 30~~	55 Lb. Drum Code 34
		CL/TL*	LTL/LCL	~~LTL/LCL~~	LTL/LCL
F.O.B. Sauget, Ill.	~~.195~~ lb. .260	~~.230~~ lb. .275	~~.250~~ lb. .295	~~.265~~ lb. .310	~~.355~~ lb. .400

Export Prices

INERTEEN 100-42 ~~OR~~ ~~INERTEEN 54201 CM~~	MINIMUM QUANTITY			
	24,000-Lbs.	5,000-Lbs.	1,000 Lbs.	500-Lbs.
FAS New Orleans	~~.245 lb.~~ .290	~~.280~~ lb. .325	~~.285~~ lb. .330	~~.300~~ lb. .345
FAS New York	~~.255~~ lb. .300	~~.295~~ lb. .340	~~.310~~ lb. .355	~~.325~~ lb. .370

*Truckload quantities—24,000 lbs. net.

**Tanktrucks: Not handled in commercial carriers' equipment. All orders for this product should be entered from shipment from manufacturing plant only.

STANDARD CONTAINERS—Metal Drums

SUPER CODE	Type	Net Weight	Gross Wt. Approx.	Cubic Feet
INERTEEN 100-42 00354A	55-gal.	600 lbs.	668 lbs.	10¾
	~~30-gal.~~	~~320 lbs.~~	~~366 lbs.~~	~~6-1/12~~
INERTEEN 54201 CM 00354B	5-gal.	55 lbs.	60 lbs.	1

SAMPLES 8-ounces. Mailable.

*Licensed Trademark of Westinghouse Electric Co.

Other Information: See Price Book

0010124

TOWOLDMON0020480
WATER_PCB-00004949

Reduce to Price Book size

( ) Temporary Price Sheet)

Effective 1-1-74

Supersedes ~~4-1-72~~ 4-1-72

~~TRANSFORMER PYRANOL* A13B3B-2~~ 3

(Transformer Fluid)

Replaces Pyranol 1467, 1470 ~~and~~ A13B3B and A13B3B-2

SALE RESTRICTED TO APPROVED TRANSFORMER MAKERS

TERMS Net 30 days

DELIVERY

Domestic F.O.B. Sauget, Ill. Except West Coast Warehouse, F.O.B. Santa Clara, Ca.

Export F.A.S. New York & New Orleans Ports only.

PRICES U.S. $ per Lb.—Price includes .005 lb. royalty Monsanto pays to General Electric Co. Minimum Order $40.

Domestic Prices

TRANSFORMER PYRANOL A13B3B-~~2~~ 3 1050-301-16-003	Tank Car** 4000 Gal. & 8000 Gal. Code 11	675-Lb. Drum—Code 30		360-Lb. Drum Code 30	60-Lb. Drum Code 34
		CL/TL*	LTL	LTL	LTL
F.O.B. Sauget, Ill.	~~.210~~ lb. .24¢	~~.245~~ lb. .27¢	~~.265~~ lb. .29¢	~~.280~~ lb. .31¢	~~.370~~ lb. .41¢
F.O.B. Ex. Whse. West Coast	—	~~.280~~ lb. .32¢	~~.315~~ lb. .34¢	~~.330~~ lb. .36¢	~~.420~~ lb. .46¢

Export Prices

TRANSFORMER PYRANOL A13B3B-~~2~~ 3	MINIMUM QUANTITY			
	24 000-Lbs.	5,000-Lbs.	1,000-Lbs.	800-Lbs.
FAS New Orleans	~~.260~~ lb. .29¢	~~.295~~ lb. .33¢	~~.300~~ lb. .34¢	~~.315~~ lb. .35¢
FAS New York	~~.270~~ lb. .30¢	~~.310~~ lb. .34¢	~~.325~~ lb. .35¢	.340 lb. .37¢

*Truckload quantities—24,000 lbs. net.

**Tanktrucks: Not handled in commercial carriers' equipment. Except for Santa Clara warehouse all orders for this product must be entered for shipment from manufacturing plant only.

STANDARD CONTAINERS—Metal Drums

SUPER CODE	Type	Net Weight	Gross Wt. Approx.	Cubic Feet
A13B3B-~~2~~ 3	55-gal.	675 lbs.	743 lbs.	10¾
00368A	~~30-gal.~~	~~360 lbs.~~	~~406 lbs.~~	~~6-1/12~~
	5-gal.	60 lbs.	65 lbs.	1.0

SAMPLES 8-ounces. Mailable.

* Licensed Trademark of General Electric Co.

~~Offer~~

Pg 2 Page, this is before checking price to see if it is different. Please do if need.

0010125

TOWOLDMON0020481
WATER_PCB-00004950

SHIPPING CLASSIFICATION

Domestic — **Rail — Plastics Synthetic Liquid NOIBN**
Truck — Plastics Liquid NOIBN

HANDLING PRECAUTIONS

CAUTION! CONTAINS CHLORINATED HYDROCARBONS. Avoid prolonged breathing of vapors or mists. Avoid contact with eyes or prolonged contact with skin. If skin contact occurs, remove by washing with soap and water. Following eye contact flush with water. If clothing becomes soaked with fluid, launder before wearing again.

This product contains polychlorinated biphenyls, which some studies have shown may be an environmental contaminant and, possibly, injurious to certains forms of bird, aquatic and animal life. Extreme care should be taken to prevent any entry into the environment through spills, leakage, use, disposal, vaporization or otherwise.

Contact your Monsanto Representative regarding reclamation of used fluid.

LABELING REQUIREMENTS — Product label required by law.

MONSANTO SPECIFICATIONS — Refer to St. Louis.

GENERAL INFORMATION

"Askarel" is a generic name used in the electrical industry for halogenated aromatic dielectrics. "Arocior" is Monsanto's trade name for Chlorinated polyphenyl compound. These materials and mixtures thereof with other Askarels are sold by others under various trade names, including:

General Electric, "Pyranol."
Westinghouse, "Inerteen."
Allis Chalmers, "Chlorextol."
Cornell Dubilier, "Dykanol."
Line Material, "Elemex."
Wagner Electric, "Noflamol."

Synonym, "Chlorinated Biphenyl."

Physical Properties

Specific Gravity @ 25/15.5°	1.495–1.51C ~~1.515 - 1.525~~
Weight per gallon @ 25°C	~~12.60~~ lbs. - typical 12.5

Uses — Fire Resistant Transformer Dielectric-Coolant Fluid.

Literature — Booklet: Maintenance Guide For Transformer Askarel (All Use And Handling Data In Maintenance Guide For Pyranol A13B3B will apply to Pyranol A13B3B-3)

Benefits	**Good Qualities**
Low Purchase Price.	Efficiency and economy acquired thru many years of manufacturing experience, makes possible Monsanto's offering low priced Pyranol A13B3B-3
Promptness of Supply.	Adequate plant capacity allows shipments of tank cars, carloads and truckloads of drums on one to two day's notice.

0010126
TOWOLDMON0020482
WATER_PCB-00004951

Assurance of Uniform High Quality.	Pyranol A13B3B-~~2~~ 3 is manufactured to exacting specifications on such good qualities as: relatively high dielectric constant high resistivity high dielectric strength. low power factor.
Safety for use as Dielectric Material.	Pyranol A13B3B-~~2~~ 3 is notably resistant to supporting combustion.
Low Temperature Operation.	Pour point minus ~~42°C.~~ 38°C or lower

SCRAP DISPOSAL

Return scrap prepaid for an incineration charge of $0.03/lb. to:

Monsanto Co.
W. G. Krummrich Plant
Sauget, Ill.
ATTN: Supervisor Dept. 246

COMPETITION None.

AUTHORIZED DISTRIBUTORS None.

249-W-300-MICC

CHEMICALS-DI
Internal Sizing
Surface Additives
EVC1-18

TOWOLDMON0020483
WATER_PCB-00004952