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830.1620 Description of production process

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830.1670 Discussion of formation of impurities

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830.1700 Preliminary analysis

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830.1800 Enforcement analytical method

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830.6302 Color

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830.6303 Physical state

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830.6304 Odor

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830.6313 Stability to normal and elevated temperatures, metals, and metal ions

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830.6314 Oxidizing or reducing action

MRID	Citation Reference
47560236	Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.
47560237	Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/192, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.
47560239	Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/196, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.
47560240	Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.
47573404	Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/193, CORPA00095PEST. Unpublished study prepared by The Scotts Company. 15 p.

830.6315 Flammability

MRID	Citation Reference

47559910 Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

830.6316 Explodability

MRID	Citation Reference
47559903	Hirata, C. (2008) DPX-KJM44: Volatility, Calculation of Henry's Law Constant. Project Number: DUPONT/22534/EU. Unpublished study prepared by DuPont Crop Protection. 7 p.
47559907	Bloemer, D. (2008) DPX-KJM44 80WG Water-Dispersible Granular Formulation (80%): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/22858. Unpublished study prepared by DuPont Crop Protection. 10 p.
47559913	Bloemer, D. (2008) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/25694. Unpublished study prepared by DuPont Crop Protection. 10 p.

830.6317 Storage stability

MRID	Citation Reference
47560236	Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.
48372401	S,A. (2008) DPX-MAT28: Long- Term Storage Stability and Corrosion Charactersitics . Project Number: G4788, DUPONT/22556. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.
48372402	B, J. (2008) DPX-KJM44: Long-Term Storage Stability and Corrosion Characteristics. Project Number: G4799, DUPONT/22557. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.
48372403	Kalyankar, P. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4%MUP: Long-Term Storage Stability and Corrosion Characteristics. Project Number: G6577, DUPONT/27959. Unpublished study prepared by Advinus Therapeutics Private Limited. 45 p.
48372404	Umaganesh, M. (2009) DPX-KJM44 80WG Water Dispersible Granule: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/22857, 08166. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.
48372405	Ganesh,M. (2009) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/25695, 08346. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.
48372406	Ganesh, M. (2009) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/22854, 08167. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.
48372407	Ravi, P. (2009) DPX-KJM44 Granular Fertilizer Formulation (0.06% A.I. Content): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/24572, 08228. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 34 p.

48372408 Ravi, P. (2010) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28481. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 32 p.

830.6320 Corrosion characteristics

MRID	Citation Reference
47560236	Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.
48372401	S,A. (2008) DPX-MAT28: Long- Term Storage Stability and Corrosion Charactersitics . Project Number: G4788, DUPONT/22556. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.
48372402	B, J. (2008) DPX-KJM44: Long-Term Storage Stability and Corrosion Characteristics. Project Number: G4799, DUPONT/22557. Unpublished study prepared by Advinus Therapeutics Private Limited. 34 p.
48372403	Kalyankar, P. (2010) Aminocyclopyrachlor (DPX-MAT28) 10.4%MUP: Long-Term Storage Stability and Corrosion Characteristics. Project Number: G6577, DUPONT/27959. Unpublished study prepared by Advinus Therapeutics Private Limited. 45 p.
48372404	Umaganesh, M. (2009) DPX-KJM44 80WG Water Dispersible Granule: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/22857, 08166. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.
48372405	Ganesh,M. (2009) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/25695, 08346. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.
48372406	Ganesh, M. (2009) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/22854, 08167. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 32 p.
48372407	Ravi, P. (2009) DPX-KJM44 Granular Fertilizer Formulation (0.06% A.I. Content): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/24572, 08228. Unpublished study prepared by International Institute of Biotechnology and Toxicology . 34 p.
48372408	Ravi, P. (2010) Aminocyclopyrachlor (DPX-MAT28) Granular (Fertilizer) Formulation (0.05% Active): Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: DUPONT/28481. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 32 p.

830.7000 pH

MRID	Citation Reference
47559812	Moorthy, M. (2007) DPX-MAT28: Laboratory Study of pH. Project Number: G4785, DUPONT/22543. Unpublished study prepared by Advinus Therapeutics Private Limited. 19 p.
47559832	Moorthy, S. (2007) DPX-KJM44: Laboratory Study of pH. Project Number: G4796, DUPONT/22532. Unpublished study prepared by Advinus Therapeutics Private Limited. 20 p.
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47559915 Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

47559917 Bloemer, D. (2008) DPX-KJM44 Granular (Fertilizer) Formulation) 0.06% A.I. Content): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24573. Unpublished study prepared by DuPont Crop Protection. 10 p.

47559920 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37) Blend of Extruded Water-Dispersible Granular Formulations (42.07/11.89/23.67% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24660. Unpublished study prepared by DuPont Crop Protection. 9 p.

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47559926 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Metsulfuron Methyl 60WG (DPX-Q2B39) Blend of Extruded Water-Dispersible Granular Formulations (57.14/17.14% AI Ratio): Laboratory Study of Physical and Chemical Properties . Project Number: DUPONT/25710. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559929 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG (DPX-QKJ02) Blend of Extruded Water-Dispersible Granular Formulations (57.14/21.43% AI Ratio): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/24662. Unpublished study prepared by DuPont Crop Protection. 9 p.

47560236 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/189, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

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47560240 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.

47573404 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/193, CORPA00095PEST. Unpublished study prepared by The Scotts Company. 15 p.

830.7050 UV/Visible absorption

MRID	Citation Reference
47559833	Moorthy, M. (2007) DPX-KJM44: Laboratory Study of UV-VIS Absorption Spectrum and Molar Absorptivity. Project Number: G4795, DUPONT/22546. Unpublished study prepared by Advinus Therapeutics Private Limited. 38 p.
47559904	Tunink, A. (2007) DPX-KJM44 (PAI): Spectra (Mass Spectrum, Infrared Spectrum, and NMR). Project Number: DUPONT/22550, 62820. Unpublished study prepared by ABC Laboratories, Inc. and Spectral Data Services, Inc. 23 p.
47573401	Moorthy, M. (2007) DPX-MAT28: Laboratory Study of UV-VIS Absorption Spectrum and Molar Absorptivity. Project Number: G4784, DUPONT/22536. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.

830.7100 Viscosity

MRID	Citation Reference
47559910	Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.

830.7200 Melting point/melting range

MRID	Citation Reference
47559808	Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.
47559809	Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.
47559828	Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4792, DUPONT/23307. Unpublished study prepared by Advinus Therapeutics Private Limited. 32 p.
47559914	Brown, P. (2008) Product Identity and Composition of End-Use Product Dupont Aminocylcopyrochlor Methyl (DPX-KJM44) 10% Manufacturing Use Product. Project Number: DUPONT/22901. Unpublished study prepared by DuPont Crop Protection. 33 p.
47559918	Roche, R. (2008) Product Identity and Composition of End-Use Product Aminocyclopyrachlor Methyl 80 WG/Chorculfuron 75WG/Sulfometuron Methyl 75WG (DPX-Q2B37), A Blend of Water Dispersible Granules (42.1% + 11.9% + 23.7% Active). Project Number: DUPONT/25708. Unpublished study prepared by DuPont Crop Protection. 42 p.

830.7220 Boiling point/boiling range

MRID	Citation Reference
47559808	Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.
47559809	Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.
47559828	Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4792, DUPONT/23307. Unpublished study prepared by Advinus Therapeutics Private Limited. 32 p.

830.7300 Density/relative density

MRID	Citation Reference
47559808	Shalini, L. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling Point/Decomposition and Relative Density. Project Number: G4891, DUPONT/23196. Unpublished study prepared by Advinus Therapeutics Private Limited. 31 p.
47559809	Anand, H. (2007) DPX-MAT28: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Melting Point, Boiling/Decomposition, Relative Density and Bulk Density. Project Number: G4781, DUPONT/22551. Unpublished study prepared by Advinus Therapeutics Private Limited. 35 p.
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47559829	Shalini, L. (2007) DPX-KJM44: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State and Bulk Density. Project Number: G4890, DUPONT/22552. Unpublished study prepared by Advinus Therapeutics Private Limited. 22 p.
47559907	Bloemer, D. (2008) DPX-KJM44 80WG Water-Dispersible Granular Formulation (80%): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/22858. Unpublished study prepared by DuPont Crop Protection. 10 p.
47559910	Bloemer, D. (2008) DPX-MAT28 SL (21.2% Active W/W) End-Use Product Soluble Concentrate Formulation: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/22853. Unpublished study prepared by DuPont Crop Protection. 10 p.
47559913	Bloemer, D. (2008) DPX-MAT28 50SG Water Soluble Granule Formulation: Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/25694. Unpublished study prepared by DuPont Crop Protection. 10 p.
47559915	Pushpalatha, K. (2008) DPX-KJM44 10% MUP: Laboratory Study of Physicochemical Properties for Color, Odor, Physical State, Relative Density, Bulk Density, and pH. Project Number: G5210, DUPONT/24544. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.
47559917	Bloemer, D. (2008) DPX-KJM44 Granular (Fertilizer) Formulation) 0.06% A.I. Content): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24573. Unpublished study prepared by DuPont Crop Protection. 10 p.
47559920	Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl

75WG (DPX-Q2B37) Blend of Extruded Water-Dispersible Granular Formulations (42.07/11.89/23.67% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24660. Unpublished study prepared by DuPont Crop Protection. 9 p.

47559923 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38) Blend of Extruded Water-Dispersible Granular Formulations (28.7/37.32/8.61% AI Ratio): Laboratory Study of Physical and Chemical Properties. Project Number: DUPONT/24658. Unpublished study prepared by DuPont Crop Protection. 9 p.

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47559929 Bloemer, D. (2008) Aminocyclopyrachlor (Methyl Ester) 80WG/Chlorsulfuron 75WG (DPX-QKJ02) Blend of Extruded Water-Dispersible Granular Formulations (57.14/21.43% AI Ratio): Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/24662. Unpublished study prepared by DuPont Crop Protection. 9 p.

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47560237 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/192, CORPA00095PEST. Unpublished study prepared by The Scotts Company, LLC. 15 p.

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47560240 Mendenhall, T. (2008) KJM44 Granule: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. Project Number: SS/200, CORPA00095PEST, DR03/01. Unpublished study prepared by The Scotts Company, LLC. 15 p.

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830.7370 Dissociation constants in water

MRID	Citation Reference
47559814	Anand, H. (2007) DPX-MAT28: Laboratory Study of Dissociation Constants in Water. Project Number: G4789, DUPONT/22555. Unpublished study prepared by Advinus Therapeutics Private Limited. 28 p.

830.7550 Partition coefficient (n-octanol/water), shake flask method

MRID	Citation Reference
47559815	Manjunatha, S. (2007) DPX-MAT28: Laboratory Study of n-Octanol/ Water Partition Coefficient. Project Number: G4782, DUPONT/22544. Unpublished study prepared by Advinus Therapeutics Private Limited. 63 p.

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830.7840 Water solubility: Column elution method, shake flask method

MRID	Citation Reference
47559816	Moorthy, M. (2007) DPX-MAT28: Laboratory Study of Water Solubility. Project Number: G4783, DUPONT/22541. Unpublished study prepared by Advinus Therapeutics Private Limited. 46 p.
47559817	Anand, H. (2007) DPX-MAT28: Solubility in Organic Solvents. Project Number: G4786, DUPONT/22542. Unpublished study prepared by Advinus Therapeutics Private Limited. 70 p.
47559835	Moorthy, M. (2007) DPX-KJM44: Laboratory Study of Water Solubility. Project Number: G4794, DUPONT/22530. Unpublished study prepared by Advinus Therapeutics Private Limited. 33 p.
47559901	Anand, H. (2007) DPX-KJM44: Solubility in Organic Solvents. Project Number: G4797, DUPONT/22531. Unpublished study prepared by Advinus Therapeutics Private Limited. 67 p.

830.7950 Vapor pressure

MRID	Citation Reference
47559818	Moorthy, M. (2007) DPX-MAT28: Laboratory Study of Vapour Pressure. Project Number: DUPONT/22537, G4780. Unpublished study prepared by Advinus Therapeutics Private Limited. 57 p.
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835.1230 Sediment and soil absorption/desorption for parent and degradates

MRID	Citation Reference
47560218	Manjunatha, S. (2008) (Carbon 14)-DPX-KJM44: Batch Equilibrium (Adsorption/Desorption) in Five Soils. Project Number: DUPONT/22368, G4825, D01/09/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 76 p.
47560219	Manjunatha, S. (2008) (Carbon 14)-DPX-MAT28: Batch Equilibrium (Adsorption/Desorption) in Five Soils. Project Number: DUPONT/22433, G4822. Unpublished study prepared by Advinus Therapeutics Private Limited. 71 p.
47560220	Manjunatha, S. (2008) Screening of Soils for Adsorption/Desorption Characteristics of (Carbon 14)-DPX-MAT28. Project Number: DUPONT/25432, G5252, D01/08/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 60 p.

835.2110 Hydrolysis as a function of pH

MRID	Citation Reference

47560210 Manjunatha, S. (2008) (Carbon 14)-DPX-MAT28: Laboratory Study of Hydrolysis as a Function of pH. Project Number: G4821, DUPONT/22116, D01/08/EFATE. Unpublished study prepared by Advinus Therapeutics Private Limited. 59 p.

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835.2410 Photodegradation of parent and degradates in soil

MRID	Citation Reference
47560213	Wardrope, L. (2008) Photodegradation of [Pyrimidine-2-(Carbon 14)]-DPX-MAT28 on Soil: Final Report. Project Number: DUPONT/22118, 807770. Unpublished study prepared by Charles River Laboratories. 76 p.

835.4100 Aerobic soil metabolism

MRID	Citation Reference
47560214	Hirata, C.; Malekani, K.; Young, G. (2008) Aerobic Soil Metabolism of DPX-KJM44 (DPX-MAT28 Methyl Ester) in Soil. Project Number: DUPONT/22435. Unpublished study prepared by: E. I. Du Pont De Nemours and Co., Inc. 67 p.

835.4200 Anaerobic soil metabolism

MRID	Citation Reference
47560215	Wardrope, L. (2008) Anaerobic Soil Metabolism of [Carbon 14]-DPX-MAT28. Project Number: DUPONT/22436, 807629. Unpublished study prepared by Charles River Laboratories . 60 p.

835.4300 Aerobic aquatic metabolism

MRID	Citation Reference
47560216	McCorquodale, G. (2008) Aerobic Aquatic Metabolism of {Pyrimidine-2-(Carbon 14)]-DPX-MAT28 in Two Water/Sediment Systems. Project Number: DUPONT/22115, 807634. Unpublished study prepared by Charles River Laboratories . 88 p.

835.4400 Anaerobic aquatic metabolism

MRID	Citation Reference
47560217	McCorquodale, G. (2008) Anaerobic Aquatic Metabolism of [Pyrimidine-2-(Carbon 14)]-DPX-MAT28 in a

Water/Sediment System. Project Number: DUPONT/22114, 807765. Unpublished study prepared by Charles River Laboratories . 79 p.

835.6100 Terrestrial field dissipation

MRID	Citation Reference
47560222	Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 on Turf in Georgia, USA. Project Number: DUPONT/22526, 62625, 22584. Unpublished study prepared by ABC Laboratories, Inc. and Ag Research Associates and E. I. Du Pont De Nemours and Co., Inc. 259 p.
47560223	Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX-KJM44 (Methyl Ester) on Turf in Ontario, Canada. Project Number: DUPONT/22529, 62626. Unpublished study prepared by ABC Laboratories, Inc. and Vaughn Agricultural Research Serv., Ltd. and E. I. Du Pont De Nemours and Co., Inc. 296 p.
47560224	Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in Ontario, Canada (Interim Report). Project Number: DUPONT/22527, 62685. Unpublished study prepared by ABC Laboratories, Inc. and Vaughn Agricultural Research Serv., Ltd. and E. I. Du Pont De Nemours and Co., Inc. 260 p.
47575102	Shepard, E. (2008) Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in California, USA (Interim Report). Project Number: DUPONT/22528, 62686. Unpublished study prepared by ABC Laboratories, Inc., Research for Hire and E.I. du Pont de Nemours and Company. 294 p.

850.1010 Aquatic invertebrate acute toxicity, test, freshwater daphnids

MRID	Citation Reference
47560126	Gallagher, S.; Kendall, T.; Krueger, H. (2007) DPX-MAT28 Technical: A 48-Hour Static Acute Toxicity Test with the Cladoceran (Daphnia magna). Project Number: 112A/213, 22415, 17163. Unpublished study prepared by Wildlife International, Ltd. 44 p.
47560207	Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-KJM44 Technical: A 48-Hour Static-Renewal Acute Toxicity Test with the Cladoceran (Daphnia magna). Project Number: DUPONT/22416, 112A/227, 17251. Unpublished study prepared by Wildlife International Ltd. 50 p.

850.1025 Oyster acute toxicity test (shell deposition)

MRID	Citation Reference
47560127	Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Shell Deposition Test with the Eastern Oyster (Crassotrea virginica). Project Number: 112A/216, 22707, 17262. Unpublished study prepared by Wildlife International, Ltd. 44 p.

850.1035 Mysid acute toxicity test

MRID	Citation Reference

47560128	Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Static Acute Toxicity Test with the Saltwater Mysid (Americamysis bahia). Project Number: 112A/236, 22417, 17163. Unpublished study prepared by Wildlife International, Ltd. 42 p.

850.1075 Fish acute toxicity test, freshwater and marine

MRID	Citation Reference
47560123	Palmer, S.; Kendall, T.; Krueger, H. (2007) DPX-MAT28 Technical: a 96-Hour Static Acute Toxicity Test with the Rainbow Trout (Oncorhynchus mykiss). Project Number: 22383, 17163, 228. Unpublished study prepared by Wildlife International, Ltd. 43 p.
47560124	Gallagher, S.; Kendall, T.; Krueger, H. (2007) DPX-MAT28 Technical: A 96-Hour Static Acute Toxicity Test with the Bluegill (Lepomis macrochirus). Project Number: 112A/214, 22384, 17163. Unpublished study prepared by Wildlife International, Ltd. 42 p.
47560125	Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Static Acute Toxicity Test with the Sheepshead Minnow (Cyprinodon variegatus). Project Number: 112A/237, 22385, 17163. Unpublished study prepared by Wildlife International, Ltd. 42 p.
47560206	Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-KJM44 Technical: A 96-Hour Static-Renewal Acute Toxicity Test with the Rainbow Trout (Oncorhynchus mykiss). Project Number: DUPONT/22793, 17251, 112A/228. Unpublished study prepared by Wildlife International, Ltd. 49 p.

850.1300 Daphnid chronic toxicity test

MRID	Citation Reference
47560129	Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A Semi-Static Life-Cycle Toxicity Test with the Cladoceran (Daphnia magna). Project Number: 112A/238B, 22708, 17262. Unpublished study prepared by Wildlife International, Ltd. 70 p.

850.1400 Fish early-life stage toxicity test

MRID	Citation Reference
47560130	Gallagher, S.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: An Early Life-Stage Toxicity Test with the Rainbow Trout (Oncorhynchus mykiss). Project Number: 112A/239, 22706, 17262. Unpublished study prepared by Wildlife International, Ltd. 80 p.

850.2100 Avian acute oral toxicity test

MRID	Citation Reference
47560118	Gallagher, S.; Beavers, J. (2007) DPX-MAT28 Technical: An Acute Oral Toxicity Study with the Northern Bobwhite. Project Number: 22031, 17163, 340. Unpublished study prepared by Wildlife International, Ltd.

54 p.

47560205 Hubbard, P.; Beavers, J. (2007) DPX-KJM44 Technical : An Acute Oral Toxicity Study with the Northern BobWhite (Colinus virginianus). Project Number: 112/607, 340, DUPONT/22800. Unpublished study prepared by Wildlife International, Ltd. 56 p.

850.2200 Avian dietary toxicity test

MRID	Citation Reference
47560119	Hubbard, P.; Martin, K.; Beavers, J. (2007) DPX-MAT28 Technical: A Dietary LC50 Study with the Mallard. Project Number: 22380, 17163, 1620. Unpublished study prepared by Wildlife International, Ltd. 60 p.
47560120	Hubbard, P.; Martin, K.; Beavers, J. (2007) DPX-MAT28 Technical: A Dietary LC50 Study with the Northern Bobwhite. Project Number: 22381, 17163, 1619. Unpublished study prepared by Wildlife International, Ltd. 60 p.

850.2300 Avian reproduction test

MRID	Citation Reference
47560121	Temple, D.; Martin, K.; Beavers, J.; et al. (2008) DPX-MAT28 Technical: A Reproduction Study with the Northern Bobwhite. Project Number: 22524, 17163, 338. Unpublished study prepared by Wildlife International, Ltd. 207 p.
47560122	Temple, D.; Martin, K.; Beavers, J.; et. al.; (2008) DPX-MAT28 Technical: A Reproduction Study with the Mallard. Project Number: 22422, 17163, 339. Unpublished study prepared by Wildlife International, Ltd. 205 p.

850.4100 Terrestrial plant toxicity, Tier 1 (seeding emergence)

MRID	Citation Reference
47560132	Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Seedling Emergence and Growth of Ten Terrestrial Plants Following Soil Exposure. Project Number: 112/610, 22802, 17328. Unpublished study prepared by Wildlife International, Ltd. 194 p.

850.4150 Terrestrial plant toxicity, Tier 1 (vegetative vigor)

MRID	Citation Reference
47560133	Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Vegetative Vigor of Ten Terrestrial Plants Following Foliar Exposure. Project Number: 112/611, 22801, 17328. Unpublished study prepared by Wildlife International, Ltd. 168 p.

850.4225 Seedling emergence, Tier II

MRID	Citation Reference
47560132	Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Seedling Emergence and Growth of Ten Terrestrial Plants Following Soil Exposure. Project Number: 112/610, 22802, 17328. Unpublished study prepared by Wildlife International, Ltd. 194 p.

850.4250 Vegetative vigor, Tier II

MRID	Citation Reference
47560133	Porch, J.; Martin, K. (2008) DPX-KJM44 80WG: A Greenhouse Study to Investigate the Effects on Vegetative Vigor of Ten Terrestrial Plants Following Foliar Exposure. Project Number: 112/611, 22801, 17328. Unpublished study prepared by Wildlife International, Ltd. 168 p.

850.4400 Aquatic plant toxicity test using Lemna spp. Tiers I and II

MRID	Citation Reference
47560134	Porch, J.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 7-Day Static-Renewal Toxicity Test with Duckweed (Lemna gibba G3). Project Number: 112A/218, 17163, 328. Unpublished study prepared by Wildlife International, Ltd. 57 p.

850.5400 Algal toxicity, Tiers 1 and II

MRID	Citation Reference
47560201	Porch, J.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Toxicity Test with the Freshwater Alga (Anabena flos-aquae). Project Number: 112A/233, DUPONT/22408, 17163. Unpublished study prepared by Wildlife International, Ltd. 61 p.
47560202	Porch, J.; Kendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Toxicity Test with the Marine Diatom (Skeletonema costatum). Project Number: 112A/235, DUPONT/22409, 17163. Unpublished study prepared by Wildlife International, Ltd. 60 p.
47560203	Porch, J.; Kenndall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 72-Hour Toxicity Test with the Freshwater Alga (Pseudokirchnerialla subcapitata). Project Number: 112A/217A, DUPONT/22410, 17163. Unpublished study prepared by Wildlife International, Ltd. 62 p.
47560204	Porch, J.; Dendall, T.; Krueger, H. (2008) DPX-MAT28 Technical: A 96-Hour Toxicity Test with the Freshwater Diatom (Navicula pelliculosa). Project Number: DUPONT/22411, 112A/234, 17163. Unpublished study prepared by Wildlife International, Ltd. 61 p.

860.1340 Residue analytical method

MRID	Citation Reference

47560234 Henze, R.; Nanita, S. (2008) Analytical Method for the Determination of DPX-KJM44 and DPX-MAT28 in Cloth Using LC/MS/MS. Project Number: DUPONT/22768. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 36 p.

870.1100 Acute oral toxicity

MRID	Citation Reference
47559934	Carpenter, C. (2007) DPX-MAT28 Technical: Acute Oral Toxicity Study in Rats- Up-and-Down Procedure. Project Number: DUPONT/22371, 17181, 834. Unpublished study prepared by E.I. du Pont de Nemours and Company. 27 p.
47560027	Carpenter, C. (2007) DPX-KJM44 Technical: Acute Oral Toxicity Study in Rats-Up-and-Down Procedure. Project Number: DUPONT/22950, 17251, 834. Unpublished study prepared by E.I. du Pont de Nemours and Company. 28 p.
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47560040	Carpenter, C. (2008) DPX-MAT28 240 g/L SL: Acute Oral Toxicity Study in Rats-Up-and-Down Procedure. Project Number: DUPONT/22787, 17549, 834. Unpublished study prepared by E.I. du Pont de Nemours and Company. 26 p.
47560111	Moore, G. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Oral Toxicity - Up-and-Down Procedure in Rats. Project Number: 25699, 25183, 17812. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18 p.
47560112	Moore, G. (2008) Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Acute Oral Toxicity - Up-and-Down Procedure in Rats. Project Number: 24511, 25264, 17799. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18 p.

870.1200 Acute dermal toxicity

MRID	Citation Reference
47559935	Carpenter, C. (2007) DPX-MAT28 Technical: Acute Dermal Toxicity Study in Rats. Project Number: DUPONT/22370, 17181, 673. Unpublished study prepared by E.I. du Pont de Nemours and Company. 32 p.
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47560106	Moore, G. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Dermal Toxicity in Rats. Project Number: 25700, 25184, 17812. Unpublished study prepared by Eurofins/Product Safety Laboratories. 18 p.
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870.1300 Acute inhalation toxicity

MRID	Citation Reference
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47560107	O'Neal, F. (2008) DPX-MAT28 50SG: Acute Inhalation Toxicology Test Waiver. Project Number: 26474. Unpublished study prepared by Dupont Haskell Laboratory. 10 p.
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870.2400 Acute eye irritation

MRID	Citation Reference
47560002	Carpenter, C. (2007) DPX-MAT28 Technical: Acute Eye Irritation Study in Rabbits. Project Number: 22372. Unpublished study prepared by E.I. du Pont de Nemours and Company. 21 p.
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47560103	Carpenter, C. (2008) DPX-MAT28 240 g/L SL: Acute Eye Irritation Study in Rabbits. Project Number: 22789, 17549, 602. Unpublished study prepared by Dupont Haskell Laboratory. 23 p.
47560108	Moore, G. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Primary Eye Irritation in Rabbits. Project Number: 25701, 25185, 17812. Unpublished study prepared by Eurofins/Product Safety Laboratories. 21 p.
47560115	Moore, G. (2008) Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Primary Eye Irritation in Rabbits. Project Number: 24508, 25266, 17799. Unpublished study prepared by Eurofins/Product Safety Laboratories. 19 p.
47560241	Moore, G. (2008) S-13834: Primary Eye Irritation Study in Rabbits. Project Number: P324, 25921. Unpublished study prepared by Eurofins/Product Safety Laboratories. 15 p.

870.2500 Acute dermal irritation

MRID	Citation Reference

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870.2600 Skin sensitization

MRID	Citation Reference
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47560105	Carpenter, C. (2008) DPX-MAT28 240 g/L SL: Local Lymph Node Assay (LLNA) in Mice. Project Number: 22788, 17549, 1234. Unpublished study prepared by Dupont Haskell Laboratory. 37 p.
47560110	Carpenter, C. (2008) Aminocyclopyrachlor (DPX-MAT28) 50SG: Local Lymph Node Assay (LLNA) in Mice. Project Number: 25703, 17812, 1234. Unpublished study prepared by Dupont Haskell Laboratory. 40 p.
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870.3100 90-Day oral toxicity in rodents

MRID	Citation Reference
47560007	Anand, S. (2008) DPX-MAT28 Technical: Subchronic Toxicity 90 Day Feeding Study in Rats. Project Number: 21490. Unpublished study prepared by E.I. du Pont de Nemours and Company. 30 p.
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870.3150 90-day oral toxicity in nonrodents

MRID	Citation Reference
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870.3200 21/28-day dermal toxicity

MRID	Citation Reference
47560014	Merkel, D. (2008) DPX-MAT28 Technical: Dermal Toxicity Study (28 Day Repeat Dermal Application Study in Rats). Project Number: DUPONT/22796, 22352. Unpublished study prepared by Eurofins/Product Safety Laboratories, E.I. du Pont de Nemours and Company and Charles River Breeding Laboratories, Inc. 207 p.
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870.3250 90-day dermal toxicity

MRID	Citation Reference
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Protection. 10 p.

870.3700 Prenatal developmental toxicity study

MRID	Citation Reference
47560015	Fleeman, T. (2008) A Prenatal Development Toxicity Study of DPX-MAT28 in Rabbits: Revision 2 Final Report. Project Number: WIL/189193, DUPONT/22377. Unpublished study prepared by WIL Research Laboratories, Inc. 690 p.
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870.3800 Reproduction and fertility effects

MRID	Citation Reference
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870.5100 Bacterial reverse mutation test

MRID	Citation Reference
47560019	Wagner, V.; VanDyke, M. (2008) DPX-MAT28 Technical: Bacterial Reverse Mutation Assay. Project Number: AC02HJ/503/BTL, 17293, H/27937. Unpublished study prepared by Bioreliance and Dupont Haskell Laboratory. 73 p.
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870.5300 In vitro mammalian cell gene mutation test

MRID	Citation Reference
47560020	Clarke, J. (2007) DPX-MAT28 Technical: In vitro Mammalian Cell Gene Mutation Test (CHO/HGPRT Assay). Project Number: AC02HJ/782/BTL, 17293, 515. Unpublished study prepared by Bioreliance and Dupont Haskell Laboratory. 48 p.

870.5375 In vitro mammalian chromosome aberration test

MRID	Citation Reference

47560021	Gudi, R.; Rao, M. (2007) DPX-MAT28 Technical: In vitro Mammalian Chromosome Aberration Test in Human Peripheral Blood Lymphocytes. Project Number: AC02HJ/341/BTL, DUPONT/22709, 17293. Unpublished study prepared by Bioreliance. 58 p.

870.5395 Mammalian erythrocyte micronucleus test

MRID	Citation Reference
47560022	Krsmanovic, L.; Huston, T. (2007) DPX-MAT28 Technical: Mouse Bone Marrow Erythrocyte Micronucleus Test: Final Report. Project Number: AC02HJ/123/BTL, 17293, 572. Unpublished study prepared by Dupont Haskell Laboratory and Bioreliance. 57 p.

870.6200 Neurotoxicity screening battery

MRID	Citation Reference
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870.7485 Metabolism and pharmacokinetics

MRID	Citation Reference
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870.7800 Immunotoxicity

MRID	Citation Reference

47560025 Hoban, D. (2008) DPX-MAT28 Technical: 28-Day Immunotoxicity Feeding Study in Male Rats . Project Number: DUPONT/22794, 17286, 1545. Unpublished study prepared by E.I. du Pont de Nemours and Company, Critical Path Services, LLC, and ImmunoTox, Inc. 93 p.

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875.2000 Background for postapplication exposure monitoring test guidelines

MRID	Citation Reference
47560209	Shepard, E. (2008) Dissipation of Turf Transferable Residues of DPX-KJM44 and DPX-MAT28 Following a Single Application of DPX-KJM44 80WG to Turf. Project Number: DUPONT/22432, 62810. Unpublished study prepared by ABC Laboratories, Inc. 153 p.

875.2100 Foliar dislodgeable residue dissipation

MRID	Citation Reference
47560209	Shepard, E. (2008) Dissipation of Turf Transferable Residues of DPX-KJM44 and DPX-MAT28 Following a Single Application of DPX-KJM44 80WG to Turf. Project Number: DUPONT/22432, 62810. Unpublished study prepared by ABC Laboratories, Inc. 153 p.

850.7100 Data reporting for environmental chemistry methods

MRID	Citation Reference
47560226	Devine, T.; Henze, R.; Nanita, S. (2008) Analytical Method for the Determination of DPX-KJM44, DPX-MAT28, and Metabolite in Soil Using LC/MS/MS. Project Number: DUPONT/22043. Unpublished study prepared by E. I. Du Pont De Nemours and Co., Inc. 55 p.
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Concentrate, DPX-KJM44 0.064, DPX-KJM44 0.53G, DPX-KJM44 0.073G Turf Herbicide + Fertilizer, DPX-KJM44 0.73G, DPX-KJM44 0.065G, DPX-KJM44 0.059G, DPX-KJM44 0.053G, DPX-KJM44 0.049G, DPX-KJM44 0.039G, DPX-KJM44 0.037G, DPX-KJM44 0.033G, DPX-KJM44 0.03G, DPX-KJM44 0.027G, DPX-KJM44 0.024G, DPX-KJM44 0.02G Lawn Herbicide + Fertilizer, DPX-MAT28 0.06G, DPX-MAT28 0.05G, DPX-MAT28 0.03G Turf Herbicide + Fertilizer and DPX-MAT28 0.068G Lawn Herbicide + Fertilizer. Transmittal of 38 of 177 Studies.

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