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DATA MATRIX

Date December 7, 2018	EPA Reg No./ File Symbol 45728-xxx	Page 1 of 10
Applicant's/Registrant's Name and Address: Taminco US LLC, 200 S. Wilcox Drive, Kingsport, TN 37660-5147	Product: CHLORMEQUAT CHLORIDE MUP	
Ingredient Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Chemistry					
830.1550	Product identity and composition	**50747501**	Taminco US LLC	NEW	
830.1600	Description of materials used to produce the product	**50747501**	Taminco US LLC	NEW	
830.1620	Description of production process	**50747501**	Taminco US LLC	NEW	
830.1670	Formation of impurities	**50747501**	Taminco US LLC	NEW	
830.1700	Preliminary analysis	**50747502**	Taminco US LLC	NEW	
830.1750	Certified limits	**50747501**	Taminco US LLC	NEW	
830.1800	Enforcement and analytical method	47100503	Taminco US LLC	NEW	
830.6302	Color	47100505	Taminco US LLC	OWN	
830.6303	Physical state	47100505	Taminco US LLC	OWN	
830.6304	Odor	47100505	Taminco US LLC	OWN	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	47764701	Fine Agrochemicals, Ltd.	PAY	
830.6314	Oxidation/reduction: chemical incompatibility	47100511	Taminco US LLC	OWN	
830.6315	Flammability	47100512	Taminco US LLC	OWN	
830.6316	Explodability	47100513	Taminco US LLC	OWN	
830.6317	Storage stability	48442701 47100514	Taminco US LLC Taminco US LLC	OWN OWN	
830.6320	Corrosion characteristics	48442701	Taminco US LLC	OWN	
830.7000	pH	47100505	Taminco US LLC	OWN	

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Ingredient Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7050	UV/Visible absorption	47100515	Taminco US LLC	OWN	
830.7100	Viscosity	47100505	Taminco US LLC	OWN	
830.7220	Boiling point/boiling range	47100506	Taminco US LLC	OWN	
830.7300	Density	47115301	Taminco US LLC	OWN	
830.7370	Dissociation constants in water	47115302	Taminco US LLC	OWN	
830.7550	Partition coefficient	47100510	Taminco US LLC	OWN	
830.7840	Water solubility	47100508	Taminco US LLC	OWN	
830.7950	Vapor pressure	47115301	Taminco US LLC	OWN	
850.1010	Acute toxicity to freshwater invertebrates			OLD	
850.1075	Estuarine and marine toxicity- fish	**50747503**	Taminco US LLC	NEW	
850.1025	Estuarine/marine toxicity - mollusk (oyster acute toxicity test - shell deposition)	**50747504**	Taminco US LLC	NEW	
850.1035	Estuarine/marine toxicity - shrimp (mysid acute toxicity test)	**50747505**	Taminco US LLC	NEW	
850.1075	Fish acute toxicity - bluegill			OLD OLD	

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Ingredient Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1075	Fish acute toxicity - rainbow trout	46715217	BASF	PER	
850.1300	Aquatic invertebrate lifecycle (freshwater)	46715215 46715216	BASF BASF	PER PER	
850.1400	Fish early life stage- freshwater	**50747506**	Taminco US LLC	NEW	
850.2100	Avian acute oral- passerine	**50747507**	Taminco US LLC	NEW	
850.2100	Avian acute oral toxicity	41785803 46715211	 BASF	OLD PER	
850.2200	Avian dietary- quail	123259 138717 41785801 46715212	 BASF	OLD OLD OLD PER	
850.2200	Avian dietary- duck	123260 125199 138718 41785802 46715213	 BASF	OLD OLD OLD OLD PER	
850.2300	Avian reproduction- quail	**50747509**	Taminco US LLC	NEW	
850.2300	Avian reproduction- duck	**50747508**	Taminco US LLC	NEW	
850.3020	Honey bee acute contact LD_{50}	46715224	BASF	PER	
SS-1254	Adult honeybee chronic oral toxicity	**50747511**	Taminco US LLC	NEW	
SS-1256	Acute oral toxicity- honeybee adult	**50747510**	Taminco US LLC	NEW	
SS-1257	Acute oral toxicity- honeybee larvae	**50747513**	Taminco US LLC	NEW	
SS-1344	Chronic Oral Toxicity- Larval honeybee	**50747512**	Taminco US LLC	NEW	

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Ingredient Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4100	Seedling emergence and seedling growth	**50747514**	Taminco US LLC	NEW	
850.4150	Vegetative vigor	**50747515**	Taminco US LLC	NEW	
850.4400	Aquatic plant growth toxicity (Tier II)	46715221 46715222 46715223	BASF BASF BASF	PER PER PER	
850.6100	Environmental chemistry methods and associated independent laboratory validations for soil and water	**50747516** **50747517** **50747518** **50747519**	Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC	NEW NEW NEW NEW	
860.1300	Nature of the residue – plants	49974801	Taminco US LLC	OWN	
860.1300	Nature of the residue - hen	124057 49974803	 Taminco US LLC	OLD OWN	
860.1300	Nature of the residue- goat	124056 140114 49974802	 Taminco US LLC	OLD OLD OWN	
860.1340	Residue analytical method – plants and animals	73918 73919 73922 73923 98071 100746 125211		OLD OLD OLD OLD OLD OLD OLD	

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Ingredient Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		139022		OLD	
		49974804	Taminco US LLC	OWN	
		49974805	Taminco US LLC	OWN	
		49974806	Taminco US LLC	OWN	
		49974807	Taminco US LLC	OWN	
		49974808	Taminco US LLC	OWN	
860.1360	Multi-residue method	49974808	Taminco US LLC	OWN	
860.1380	Storage stability	49974809	Taminco US LLC	OWN	
		49974810	Taminco US LLC	OWN	
860.1500	Magnitude of residue- Crop field trials	49974813	Taminco US LLC	OWN	
		49974814	Taminco US LLC	OWN	
		49974815	Taminco US LLC	OWN	
		49974816	Taminco US LLC	OWN	
		49974817	Taminco US LLC	OWN	
		49974818	Taminco US LLC	OWN	
		49974819	Taminco US LLC	OWN	
		49974820	Taminco US LLC	OWN	
		49974821	Taminco US LLC	OWN	
		49974822	Taminco US LLC	OWN	
		49974823	Taminco US LLC	OWN	
		49974824	Taminco US LLC	OWN	
		49974825	Taminco US LLC	OWN	
		49974826	Taminco US LLC	OWN	

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Ingredient: Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		49974827 49974828 50747520 50747521 50747522 50747523	Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC	OWN OWN NEW NEW NEW NEW	
860.1520	Magnitude of residue- processed food or feed	49974829 49974830 49974831	Taminco US LLC Taminco US LLC Taminco US LLC	OWN OWN OWN	
860.1550	Proposed tolerance	49974800 50747524	Taminco US LLC Taminco US LLC	OWN NEW	
860.1560	Reasonable grounds in support of petition	50747524	Taminco US LLC	NEW	
860.1850	Confined rotational crops	49974832	Taminco US LLC	OWN	
870.1100	Acute oral toxicity - rat	41721604		OLD	
870.1200	Acute dermal toxicity	41721605		OLD	
870.1300	Acute inhalation toxicity - rat	41721606		OLD	
870.2400	Primary eye irritation - rabbit	41721607		OLD	
870.2500	Primary skin irritation - rabbit	41721608		OLD	
870.2600	Dermal sensitization	41721609		OLD	
870.3100	Subchronic feeding - rat/mouse	123247 125189		OLD OLD	

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Ingredient Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		163408		OLD	
870.3150	Subchronic feeding - dog	46715201	BASF	PER	
870.3200	21-day dermal - rabbit/rat	42246603		OLD	
870.3250	90-day dermal toxicity	42246603		OLD	
870.3465	28-day inhalation toxicity	**50747525**	Taminco US LLC	NEW	
870.3700	Developmental toxicity – rat	42246604		OLD	
870.3700b	Prenatal developmental in nonrodents (rabbits)	123258 125197 138710 46715205	 BASF	OLD OLD OLD PER	
870.3800	Reproduction and developmental effects (reproduction and fertility effects)	123253 125192 138712 138713 42449401 46715206	 BASF	OLD OLD OLD OLD OLD PER	
870.4100	Chronic feeding toxicity study - rat	35042 42261 123251 123252 46715202	 BASF	OLD OLD OLD OLD PER	
870.4200	Carcinogenicity -rat	138714 46715203	 BASF	OLD PER	

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Ingredient Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4200	Carcinogenicity -mouse	46375 47796 123250 46715204	 BASF	OLD OLD OLD PER	
870.5265	Bacterial reverse mutation test (Ames Assay)	41721610		OLD	
870.5300	In vitro mammalian cell assay	41798102		OLD	
870.5375	In vitro mammalian cell assay	41798103		OLD	
870.5385 870.5395	In vivo chromosome aberration	41798101		OLD	
870.5550	Unscheduled DNA synthesis in mammalian cells in culture	41798103		OLD	
870.6200	Acute neurotoxicity screen study in rats	50182001	Taminco US LLC	OWN	
870.7485	Metabolism and pharmacokinetics	100736 123245 124055 125187 46715208 46715207	 BASF BASF	OLD OLD OLD OLD PER PER	
870.7800	Immunotoxicity	**50747526**	**Taminco US LLC**	Waiver request	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.1230 835.1240	Leaching/ adsorption/ desorption	124060 124061 124062 137646 137647 140113 46715228 46715229 46715230	 BASF BASF BASF	OLD OLD OLD OLD OLD OLD PER PER PER	
835.2120	Hydrolysis	124063 137642 137643 47769403	 BASF	OLD OLD OLD PER	
835.2240	Photodegradation - water	47769404	BASF	PER	
835.2410	Photodegradation - soil	137644		OLD	
835.4100	Aerobic soil metabolism	**50747527**	Taminco US LLC	NEW	
835.4200	Anaerobic soil metabolism	47769405 47769406 47769407	BASF BASF BASF	PER PER PER	
835.4300	Aerobic aquatic metabolism	46715227 **50747528**	BASF Taminco US LLC	PER NEW	

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Ingredient Chlormequat Chloride (CAS no 999-81-5)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.4400	Anaerobic aquatic metabolism	**50747529**	Taminco US LLC	NEW	
835.6100	Terrestrial field dissipation	**50747530** **50747531** **50747532** **50747533**	Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC	NEW NEW NEW NEW	
875.1300	Inhalation exposure - outdoor (applicator)		Ag Handlers Exposure Task Force*	OWN	
875.2500	Inhalation exposure - outdoor (post-application)		Ag Reentry Task Force**	OWN	
875.2700	Product use information		Taminco US LLC	OWN	Taminco label

- *Taminco US LLC is a member of the Ag Handlers Exposure Task Force and TF data will cover this requirement
- ** Taminco US LLC is a member of the Ag Reentry Task Force and TF data will cover this requirement

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