

US EPA ARCHIVE DOCUMENT

6817/12/80

CHEMICAL INFORMATION FOR CASWELL NUMBER 165

DATE: 08/21/89

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Carbophenothion Caswell #165 CAS No. 786-19-6 A.I. CODE: 058102 CFR No. 180.156	2yr feeding- dog NOEL= 0.000 mg/kg 0.00 ppm LEL= 0.1250 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decreased plasma, brain Che- NOEL not established No evidence of oncogenicity in rats.	PADI UF -->1000 OPP RfD= 0.000130 EPA RfD= 0.000000	Chronic feeding- Rat Teratology- 2 species UF of 100 used for brain CHE inhibition, extra UF of 10 used for lack of NOEL in critical study.	HED complete 10/10/86. HED reassess 04/03/87. EPA not scheduled. WHO last reviewed 1980.

FOOD CODE	FOOD NAME	PETITION NUMBER	TOLERANCE (PPM)		
			NEW	PENDING	PUBLISHED
V01009AA	BLUEBERRIES	4E1434			4.000000
V01014AA	GRAPES-FRESH	159			0.800000
V01014DA	GRAPES-RAISINS	159			0.800000
V01014JA	GRAPES-JUICE	159			0.800000
V01016AA	STRAWBERRIES	159			0.800000
V02002AA	GRAPEFRUIT-UNSPECIFIED	159			2.000000
V02002AB	GRAPEFRUIT-PULP	159			2.000000
V02002JA	GRAPEFRUIT-JUICE	159			2.000000
V02004AA	LEMONS-UNSPECIFIED	159			2.000000
V02004AB	LEMONS-PULP	159			2.000000
V02004JA	LEMONS-JUICE	159			2.000000
V02005AA	LIMES-UNSPECIFIED	159			2.000000
V02005AB	LIMES-PULP	159			2.000000
V02005JA	LIMES-JUICE	159			2.000000
V02006AA	ORANGES-UNSPECIFIED	159			2.000000
V02006AB	ORANGES-PULP	159			2.000000
V02006JA	ORANGES-JUICE	159			2.000000
V02006HA	ORANGES-PEEL	159			2.000000
V02008AA	TANGERINES	159			2.000000
V02008JA	TANGERINE-JUICE	159			2.000000
V03008AA	PECANS	159			0.100000
V03009AA	WALNUTS	1F1109			0.100000
V04001AA	APPLES-FRESH	120			0.800000
V04001DA	APPLES-DRIED	120			0.800000
V04001JA	APPLES-JUICE	120			0.800000
V04002AA	CRABAPPLES	120			0.800000
V04003AA	PEARS-FRESH	159			0.800000
V04003DA	PEARS-DRIED	159			0.800000
V04003JA	QUINCES	120			0.800000
V05001AA	APRICOTS-FRESH	159			0.800000
V05001DA	APRICOTS-DRIED	159			0.800000
V05001JA	CHEERRIES-FRESH	159			0.800000
V05001DA	CHEERRIES-DRIED	159			0.800000
V05001JA	CHEERRIES-JUICE	159			0.800000
V08003AA	NECTARINES	159			0.800000
V08004AA	PEACHES-FRESH	120			0.800000
V08004DA	PEACHES-DRIED	120			0.800000
V05005AA	PLUMS (DAWSONS)-FRESH	120			0.800000

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Carbophenothion Caswell #165 CAS No. 786-19-6 A.I. CODE: 058102 CFR No. 180.156	2yr feeding- dog NOEL= 0.0000 mg/kg LEL= 0.1250 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decreased plasma, brain ChE- NOEL not established No evidence of oncogenicity in rats.	PADI UF --11000 OPP RFD= 0.000130 EPA RFD= 0.000000	Chronic feeding- rat Teratology- 2 species UF of 100 used for brain ChE inhibition, extra UF of 10 used for lack of NOEL in critical study.	HED complete 10/10/86. HED reassess 04/03/87. EPA not scheduled. WHO last reviewed 1980.

FOOD CODE	FOOD NAME	PETITION NUMBER	NEW	TOLERANCE (PPM)	PENDING	PUBLISHED
495005DA	PLUMS-PRUNES(DRIED)	120		0.800000		
495005JA	PLUMS, PRUNE- JUICE	120		0.800000		
496005AA	FIGS	201		0.800000		
496009AA	OLIVES	201		0.800000		
496009AA	PAPRIKA	159		0.800000		
498048DA	CANTALOUPE- UNSPECIFIED	159		0.800000		
498002AA	CANTALOUPE- PULP	159		0.800000		
498002AB	WATERMELON	159		0.800000		
498008AA	CUCUMBERS	201		0.800000		
498010AA	SQUASH- SUMMER	201		0.800000		
498013AA	EGGPLANT	159		0.800000		
498003AA	PEPPERS, SWEET, GARDEN	159		0.800000		
498003AB	CHILI PEPPERS	159		0.800000		
498003AD	PEPPERS- OTHER	159		0.800000		
498004AA	PIMENTOS	159		0.800000		
498005AA	TOMATOES- WHOLE	159		0.800000		
498005JA	TOMATOES- JUICE	159		0.800000		
498005RA	TOMATOES- PUREE	159		0.800000		
498005TA	TOMATOES- PASTE	159		0.800000		
498005UA	TOMATOES- CATSUP	159		0.800000		
498001AA	BETS- TOPS(GREENS)	159		0.800000		
498024AA	SPINACH	159		0.800000		
498001AA	BETS- ROOTS	159		0.800000		
498007AA	GARLIC	201		0.800000		
498010AA	LEEKS	201		0.800000		
498011AA	ONIONS- DRY- BULB (CIPOLLINI)	201		0.800000		
498011DA	ONIONS- DEHYDRATED OR DRIED	201		0.800000		
498017AA	SHALLOTS	201		0.800000		
498001AA	BEANS- DRY- GREAT NORTHERN	1F1108		0.100000		
498001AB	BEANS- DRY- KIDNEY	1F1108		0.100000		
498001AC	BEANS- DRY- LIMA	1F1108		0.100000		
498001AD	BEANS- DRY- NAVY (PEA)	1F1108		0.100000		
498001AE	BEANS- DRY- OTHER	1F1108		0.100000		
498001AF	BEANS- DRY- PINTO	1F1108		0.100000		
498002AA	BEANS- SUCCULENT- LIMA	159		0.800000		
498003AA	BEANS- SUCCULENT- GREEN	334		0.200000		
498004AA	CORN, POP	334		0.200000		
498005AA	CORN, SWEET	334		0.200000		
498009AA	PEAS(GARDEN)- GREEN IMMATURE	1F1108		0.800000		
498013AA	MUNG BEANS (SPROUTS)	1F1108		0.100000		

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Carbophenothion	2yr feeding-dog	Decreased plasma, brain	PADI UF ->1000	Chronic feeding- rat	HED complete 10/10/86.
Caswell #165	NOEL= 0.0000 mg/kg	CHE- NOEL not established	OPP RFD= 0.000130	Teratology- 2 species	HED reassess 04/03/87.
CAS No. 786-19-6	0.00 ppm	No evidence of	EPA RFD= 0.000000	UF of 100 used for brain	EPA not scheduled.
A.I. CODE: 058102	LET= 0.1250 mg/kg	oncogenicity in rats.		CHE inhibition, extra UF	WHO last reviewed 1980.
CFR No. 180.156	5.00 ppm			of 10 used for lack of	
	ONCO: Negative- 1 species			NOEL in critical study.	

FOOD CODE	FOOD NAME	PETITTON NUMBER	NEW	TOLERANCE (PPM)	PUBLISHED
45022AA	BEANS-DRY-BROADBEANS(MATURE SEED)	1F1108			0.100000
45023AA	BEANS-DRY-PIGEON BEANS	1F1108			0.100000
45030AA	BEANS-DRY-HYACINTH(MATURE SEEDS)	1F1108			0.100000
45031AA	BEANS-DRY-BLACKEYE PEAS(COMPEAS)	1F1108			0.100000
45032AA	BEANS-DRY-GARBANZO(CHICK PEA)	1F1108			0.100000
16004AA	ONIONS-GREEN	159			0.800000
24002EA	CORN, GRAIN-ENDOSPERM	334			0.200000
24002HA	CORN, GRAIN-BRAN	334			0.200000
24002SA	CORN SUGAR	334			0.200000
24006AA	SORGHUM (INCLUDING MILLO)	334			2.000000
25002SA	BEEF SUGAR	159			5.000000
270020A	CORN, GRAIN-OIL	334			0.200000
270030A	COTTONSEED-OIL	334			0.200000
27003WA	COTTONSEED-MEAL	159			0.800000
128023AA	SOYBEANS-UNSPECIFIED	159			0.800000
43058AA	WINE AND SHERRY	334			0.100000
43001FA	BEEF (BONELESS)-FAT (BEEF TALLOW)	334			0.100000
43002FA	GOAT (BONELESS)-FAT	334			0.100000
43005FA	SHEEP (BONELESS)-FAT	334			0.100000
43006FA	PORK (BONELESS)-FAT (INCLUDING LARD)	334			0.100000

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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			PADI UF -->1000	OPP RfD= 0.000130	Chronic feeding- rat	HED complete 10/10/86.		
Carbophenothion Caswell #165 CAS No. 786-19-6 A.I. CODE: 058102 CFR No. 180.156	2yr feeding- dog NOEL= 0.0000 mg/kg LEL= 0.1250 mg/kg 5.00 ppm ONCO: Negative- 1 species	Decreased plasma, brain ChE- NOEL not established No evidence of oncogenicity in rats.	EPA RfD= 0.000000	Chronic feeding- rat Teratology- 2 species UF of 100 used for brain ChE inhibition, extra UF of 10 used for lack of NOEL in critical study.	HED reassess 04/03/87. EPA not scheduled. WHO last reviewed 1980.			
POPULATION SUBGROUP								
U.S. POPULATION - 48 STATES			TOTAL TMRC (MG/KG BODY WEIGHT/DAY)	NEW TMRC	DIFFERENCE	EFFECT OF ANTICIPATED RESIDUES		
			CURRENT TMRC*	NEW TMRC**	AS PERCENT OF RFD	AS PERCENT OF RFD	ARC	%RFD
U.S. POPULATION - SPRING SEASON			0.009735	0.009735	7488.694615	0.000000		
U.S. POPULATION - SUMMER SEASON			0.009810	0.009810	7545.970769	0.000000		
U.S. POPULATION - FALL SEASON			0.009825	0.009825	7557.335385	0.000000		
U.S. POPULATION - WINTER SEASON			0.009983	0.009983	7678.936154	0.000000		
NORTHEAST REGION			0.011421	0.011421	8785.270000	0.000000		
NORTH CENTRAL REGION			0.009818	0.009818	7552.460000	0.000000		
SOUTHERN REGION			0.008448	0.008448	6498.399231	0.000000		
WESTERN REGION			0.010142	0.010142	7801.833846	0.000000		
HISPANICS			0.011729	0.011729	9022.516154	0.000000		
NON-HISPANIC WHITES			0.009728	0.009728	7482.980000	0.000000		
NON-HISPANIC BLACKS			0.009405	0.009405	7234.731538	0.000000		
NON-HISPANIC OTHERS			0.012046	0.012046	9265.772308	0.000000		
NURSING INFANTS (< 1 YEAR OLD)			0.013673	0.013673	10517.896923	0.000000		
NON-NURSING INFANTS (< 1 YEAR OLD)			0.025439	0.025439	19568.428462	0.000000		
FEMALES (13+ YEARS, PREGNANT)			0.007823	0.007823	6017.520000	0.000000		
FEMALES 13+ YEARS, NURSING			0.008276	0.008276	6365.876154	0.000000		
CHILDREN (1-6 YEARS OLD)			0.024859	0.024859	19122.056923	0.000000		
CHILDREN (7-12 YEARS OLD)			0.014714	0.014714	11318.280000	0.000000		
MALES (13-19 YEARS OLD)			0.008737	0.008737	6721.129231	0.000000		
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)			0.008118	0.008118	6244.440769	0.000000		
MALES (20 YEARS AND OLDER)			0.006346	0.006346	4881.497692	0.000000		
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)			0.007207	0.007207	5543.665385	0.000000		

*Current TMRC does not include new or pending tolerances.

**New TMRC includes new, pending, and published tolerances.

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