

US EPA ARCHIVE DOCUMENT

RCRA REVISION CHECKLIST 159

Conformance With the Carbamate Vacatur
62 FR 32974-32980
June 17, 1997
(RCRA Cluster VII, HSWA provisions)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 261 -- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART D - LISTS OF HAZARDOUS WASTES

† HAZARDOUS WASTE FROM SPECIFIC SOURCES

revise table by removing entry for K160 and revising entries for K156, K157 and K158 as shown below:	261.32/table					
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Industry and EPA hazardous waste No.	Hazardous waste												Hazard code
*	*	*	*	*	*	*	*	*	*	*	*	*	*
Organic chemicals:													
*	*	*	*	*	*	*	*	*	*	*	*	*	*
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).												(T)
K157	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).												(T)
K158	Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.).												(T)
*	*	*	*	*	*	*	*	*	*	*	*	*	

RCRA REVISION CHECKLIST 159: Conformance With the Carbamate Vacatur (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
† DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF						
revise table by removing in their entirety the entries listed below:	261.33(f)					
H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester, (U365) Bis(dimethylthiocarbamoyl) sulfide, (U401) Bis (pentamethylene)thiuram tetrasulfide, (U400) Butylate, (U392) Continued.... Carbamic acid, butyl-,3-iodo-2-propynyl ester, (U375) Carbamodithioic acid, dibutyl, sodium salt, (U379) Carbamodithioic acid, diethyl-, 2-chloro-2-propenyl ester, (U277) Carbamodithioic acid, diethyl-, sodium salt, (U381) Carbamodithioic acid, dimethyl-, potassium salt, (U383) Carbamodithioic acid, dimethyl-, sodium salt, (U382) Carbamodithioic acid, dimethyl-, tetraanhydrosulfide with orthothioselenious acid, (U376) Carbamodithioic acid, (hydroxymethyl) methyl-,monopotassium salt, (U378) Carbamodithioic acid, methyl-, monosodium salt, (U384) Carbamodithioic acid, methyl-,monopotassium salt, (U377) Carbamothioic acid, bis(2-methylpropyl)-, S-ethyl ester, (U392) Carbamothioic acid, butylethyl-,S-propyl ester, (U391) Carbamothioic acid, cyclohexylethyl-, S-ethyl ester, (U386) Carbamothioic acid, dipropyl-, S-ethyl ester, (U390) Carbamothioic acid, dipropyl-, S-propyl ester, (U385) Copper, bis(dimethylcarbamodithioato-S,S')-, (U393) Copper dimethyldithiocarbamate,(U393) Cycloate, (U386) Dazomet, (U366) Disulfiram, (U403) EPTC, (U390) Ethyl Ziram, (U407) Ferbam, (U396) 3-Iodo-2-propynyl n-butylcarbamate, (U375) Iron, tris(dimethylcarbamodithioato-S,S')-, (U396) Metam Sodium, (U384) Molinate, (U365) Pebulate, (U391) Piperidine, 1,1'-(tetrathiodicarbonothioyl)-bis-, (U400) Potassium dimethyldithiocarbamate, (U383)						
			CONTINUED....			

RCRA REVISION CHECKLIST 159: Conformance With
the Carbamate Vacatur (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION		STATE ANALOG IS:			
		ANALOGOUS STATE CITATION	EQUIVALENT	LESS STRINGENT	MORE STRINGENT	BROADER IN SCOPE
Potassium n-hydroxymethyl-n-methyldi-thiocarbamate, (U378)						
Potassium n-methyldithiocarbamate, (U377)						
Selenium, tetrakis(dimethyldithiocarbamate), (U376)						
Sodium dibutyldithiocarbamate, (U379)						
Sodium diethyldithiocarbamate, (U381)						
Sodium dimethyldithiocarbamate, (U382)						
Sulfallate, (U277)						
Tetrabutylthiuram disulfide, (U402)						
Tetramethylthiuram monosulfide, (U401)						
2H-1,3,5-Tthiadiazine-2-thione, tetrahydro-3,5-dimethyl-, (U366)						
Thioperoxydicarbonic diamide, tetrabutyl, (U402)						
Thioperoxydicarbonic diamide, tetraethyl, (U403)						
Vernolate, (U385)						
Zinc, bis(diethylcarbamodithioato-S,S')-, (U407)						

RCRA REVISION CHECKLIST 159: Conformance With the Carbamate Vacatur (cont'd)

FEDERAL REQUIREMENTS	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
			EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 261 -- APPENDIX VII

† BASIS FOR LISTING HAZARDOUS WASTE

remove entire entry for EPA hazardous waste number K160	261 Appendix VII					
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PART 261 -- APPENDIX VIII

† HAZARDOUS CONSTITUENTS

1 remove entries "Potassium hydroxymethyl-n-methyl- dithiocarbamate" and "Tetrabutylthiuram monosulfide" and revise as shown in following table:	261 Appendix VIII					
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Common name	Chemical abstracts name	Chemical abstracts No.	Hazardous waste No.
* * * *	* * * *	*	
Bis(pentamethylene)-thiuram tetrasulfide.	Piperidine, 1,1'-(tetrathiodicarbonothioyl)-bis-.....	120-54-7	.....
* * * *	* * * *	*	
Butylate	Carbamothioic acid, bis(2-methylpropyl)-, S-ethyl ester.....	2008-41-5	.....
* * * *	* * * *	*	
Copper dimethyldithiocarbamate	Copper, bis(dimethylcarbamodithioato-S,S')-,.....	137-29-1	.....
* * * *	* * * *	*	
Cycloate	Carbamothioic acid, cyclohexylethyl-, S-ethyl ester.....	1134-23-2	.....
* * * *	* * * *	*	
Dazomet	2H-1,3,5-thiadiazine-2-thione, ttrahydro-3,5-dimethyl..	533-74-4	.....
* * * *	* * * *	*	
Disulfiram	Thioperoxydicarbonic diamide, tetraethyl.....	97-77-8	.....
* * * *	* * * *	*	
EPTC	Carbamothioic acid, dipropyl-, S-ethyl ester.....	759-94-4	.....
* * * *	* * * *	*	
Ethyl Ziram	Zinc, bis(diethylcarbamodithioato-S,S')-.....	14324-55-1	.....
* * * *	* * * *	*	

RCRA REVISION CHECKLIST 159: Conformance With the Carbamate Vacatur (cont'd)

FEDERAL REQUIREMENTS				FEDERAL RCRA CITATION				ANALOGOUS STATE CITATION	STATE ANALOG IS:			
									EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
Common Name				Chemical Abstracts Name						Chemical Abstracts No.	Hazardous Waste No.	
Ferbam				Iron, tris(dimethylcarbamodithioato-S,S')-,.....						14484-64-1	.....	
*	*	*	*	*	*	*	*	*	*	*		
3-Iodo-2-propynyl n-butylcarbamate				Carbamic acid, butyl-, 3-iodo-2-propynyl ester.....						55406-53-6	.....	
*	*	*	*	*	*	*	*	*	*	*		
Metam Sodium				Carbamodithioic acid, methyl-, monosodium salt....						137-42-8	.....	
*	*	*	*	*	*	*	*	*	*	*		
Molinate				1H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester.....						2212-67-1	.....	
*	*	*	*	*	*	*	*	*	*	*		
Pebulate				Carbamothioic acid, butylethyl-, S-propyl ester.....						1114-71-2	.....	
*	*	*	*	*	*	*	*	*	*	*		
Potassium dimethyldithiocarbamate				Carbamodithioic acid, dimethyl, potassium salt.....						128-03-0	.....	
Potassium n-hydroxymethyl- n-methyl- dithiocarbamate				Carbamodithioic acid, (hydroxymethyl)methyl-, monopotassium salt.....						51026-28-9	.....	
Potassium n-methyldithiocarbamate				Carbamodithioic acid, methyl-monopotassium salt.....						137-41-7	.....	
*	*	*	*	*	*	*	*	*	*	*		
Selenium, tetrakis (dimethyl-dithiocarbamate)				Carbamodithioic acid, dimethyl-, tetraanhydrosulfide with orthothioselenious acid.....						144-34-3	.....	
*	*	*	*	*	*	*	*	*	*	*		
Sodium dibutyldithiocarbamate				Carbamodithioic acid, dibutyl, sodium salt.....						136-30-1	.....	
Sodium diethyldithiocarbamate				Carbamodithioic acid, diethyl-, sodium salt.....						148-18-5	.....	
Sodium dimethyldithiocarbamate				Carbamodithioic acid, dimethyl-, sodium salt.....						128-04-1	.....	
*	*	*	*	*	*	*	*	*	*	*		
Sulfallate				Carbamodithioic acid, diethyl-, 2-chloro-2-propenyl ester.....						95-06-7	.....	
*	*	*	*	*	*	*	*	*	*	*		
Tetrabutylthiuram disulfide				Thioperoxydicarbonic diamide, tetrabutyl						1634-02-2	.....	
*	*	*	*	*	*	*	*	*	*	*		
Tetramethylthiuram monosulfide				Bis(dimethylthiocarbamoyl) sulfide.....						97-74-5		
*	*	*	*	*	*	*	*	*	*	*		
Vernolate				Carbamothioic acid, dipropyl-,S-propyl ester.....						1929-77-7		
*	*	*	*	*	*	*	*	*	*	*		

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the Carbamate Vacatur (cont'd)

FEDERAL REQUIREMENTS		FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
PART 268 -- LAND DISPOSAL RESTRICTIONS							
SUBPART C -- PROHIBITIONS ON LAND DISPOSAL							
WASTE SPECIFIC PROHIBITIONS -- SPENT ALUMINUM POTLINERS; REACTIVE; AND CARBAMATE WASTES							
replace "K156-K161" with "K156-K159 and K161"; replace "U277-U280" with "U278-U280"; replace "U364-U367" with "U364, U367"; remove "U375-U379,"; replace "U381-U387, U389-U396" with "U387, U389, U394, U395"; replace "U400-U404" with "U404"; remove "U407,"	268.39(a)						
replace "U277-U280" with "U278-U280"; replace "U364-U367" with "U364, U367"; remove "U375-U379,"; replace "U381-U387, U389-U396" with "U387, U389, U394, U395"; replace "U400-U404" with "U404"; remove "U407,"	268.39(d)						
amend table by adding language "(This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)" at end of existing text in second column for K156, K157 and K158	268.40 table						

¹Note that there is a typographical error in the Federal Register. "Potassium hydroxymethyl-..." should be "Potassium hydroxymethyl-...". (62 FR 32977).