DEPARTMENT OF TRANSPORTATION

Research and Special Programs Administration

49 CFR Parts 172, 173

[Docket No. HM-126B; Notice No. 79-14]

Improved Descriptions of Hazardous Materials for Emergency Response

AGENCY: Materials Transportation Bureau, Research and Special Programs Administration, Department of Transportation (DOT). ACTION: Notice of proposed rulemaking.

SUMMARY: Considering the recent proposals under this Docket pertaining to the display of identification numbers to provide an improved emergency response capability for hazardous materials in transportation, including organic peroxides, the Materials Transportation Bureau (MTB) believes it is necessary that certain hazardous materials be more specifically indentified than is presently required. The MTB proposes (1) to add new entries to the Hazardous Materials Table for certain generic groupings of pesticides and certain generic n.o.s. listings for classes of materials having multiple hazards; (2) to require identification by technical name on the shipping paper and package for a hazardous material shipped under an n.o.s. entry; (3) that the words "water reactive" and "poison" be added to shipping papers when these hazards exist and are not reflected in required descriptions, and (4) a number of other changes and additions to the Hazardous Materials Table.

DATES: Comments on this additional proposal must be received on or before January 9, 1980.

ADDRESS COMMENTS TO: Dockets Branch, Materials Transportation Bureau, Washington, D.C. 20590 (telephone: 202-426-3148). It is requested that five copies be submitted. The Dockets Branch is located in Room 8426 of the Nassif Building, 400 7th St., S.W., Washington, D.C., Office hours are 8:30 a.m. to 5 p.m., Monday thru Friday. FOR FURTHER INFORMATION CONTACT: Lee E. Metcalfe, Standards Division. **Office of Hazardous Materials Regulation, Materials Transportation** Bureau, Department of Transportation, Washington, D.C. 20590, 202-426-0656. SUPPLEMENTARY INFORMATION: The MTB published a notice of proposed rulemaking in the Federal Register on June 7, 1979 (44 FR 32972; Docket No. HM-126A; Notice No. 79-9), proposing

the adoption of a numerical identification system for hazardous materials transported in commerce. In the July 26, 1979, Federal Register (44 FR 43858; Docket No. HM-126A; Notice No. 79-9 and 44 FR 43864; Docket HM-171; Notice No. 79-11) supplemental notices were published proposing to adopt the numerical identification system for organic peroxides, and to authorize the optional use of United Nations' shipping descriptions and identification numbers. for certain hazardous materials in place of the descriptions required by existing DOT regulations. The objective of the proposals in this notice is to augment the previous proposals by adding to the Hazardous Materials Table certain entries necessary to improve the identification of the hazards of many materials. The MTB believes these improved hazardous materials identifications are essential to the successful accomplishment of an emergency response system which will be accessed by means of identification numbers.

The MTB has been requested by the **Environmental Protection Agency to** consider requiring the identification of each n.o.s. entry on shipping papers and package markings by the technical name of the hazardous material. This would permit more accurate identification of the material for emergency response actions. This is already a requirement for export shipments by vessel and the MTB agrees that safety would be enhanced by such a requirement since more specific information would be immediately available for use in emergency response actions. For a mixture containing two or more hazardous materials, at least two of the components which contribute most to the hazards of a material would be required to be identified. However, the MTB does not propose to apply this requirement to hazardous materials authorized to be described and shipped as Limited Quantities.

The Hazardous Materials Table does not contain a generic description applicable to all pesticides (i.e., pesticide, liquid or solid, n.o.s.). Addition of a generic description for pesticides to the Table would not provide sufficient information to identify the type of pesticide and, consequently, it would be difficult to specify appropriate action to be taken in the event of an accident involving spillage or exposure. Conversely, it would be virtually impossible to list each pesticide by name and possible formulation. The MTB believes an appropriate approach would be to identify and describe pesticides by

chemical groups based on their chemical structures. This approach would enable first aid and medical advice to be linked to such groups. To this end, fifteen groups of pesticides have been identified which the MTB has proposed for addition to the Hazardous Materials Table. Within each of the fifteen groups, there would be three separate entries, which would distinguish the form (i.e., liquid or solid), and for liquids would distinguish the hazard class (i.e., flammable liquid or poison B liquid). Thus, a total of forty-five descriptions would be added to the Table to identify pesticides by chemical structure, form, and hazard class. The MTB estimates that these forty-five descriptions would apply to more than ninety percent of the pesticides transported.

Also, the MTB is proposing the addition of eight generic n.o.s. entries addressing multiple hazards. These multiple hazard entries consist of such n.o.s. descriptions as Corrosive liquid, poisonous, n.o.s., Flammable liquid, corrosive, n.o.s. and Oxidizer, corrosive liquid, n.o.s. The MTB believes these new entries will provide improved identification of a number of hazardous materials in association with the additional labeling requirement proposed for the entries in column (4) of the Hazardous Materials Table.

In addition to assigning identification numbers to the hazardous materials, the MTB believes that certain additional shipping paper entries would be beneficial to emergency response personnel and carriers. Specifically the entries being proposed are the phrase "Water Reactive" for a material required to be labeled FLAMMABLE SOLID and DANGEROUS WHEN WET: and the word "Poison" for a material required to bear a POISON label, classed other than as a Poison B and not .otherwise identified as a poisonous material on the shipping paper. The MTB agrees with the Association of American Railroads recommendation that such a warning be added to the shipping paper entry for certain materials required to be labeled FLAMMABLE SOLID and DANGEROUS WHEN WET to quickly identify the material as having a potential of being water reactive during an emergency. The American Trucking Associations, Inc., petitioned the MTB for a rule change to add the word "Poison" to a shipping paper to assist the carrier in complying with § 177.841(e). The MTB agrees that it would permit carrier personnel who load vehicles to be aware of the POISON label and to plan loads accordingly. The same situation would exist for the rail carrier when

such references as §§ 174.280, 174.380, 174.480, 174.580 and 174.680 are considered, for the air carrier when considering § 175.630, and for carriage by vessel when §§ 176.331 and 176.600 are considered. Also, such an entry would assist quick identification of a poison hazard during an emergency.

Dichloropropene and propylene dichloride mixture was placed in the Hazardous Materials Table as a Corrosive material under Docket HM-57 (38 FR 35467; December 28, 1973). However, a review of current references, including the United Nations "Transport of Dangerous Goods" and the IMCO "Dangerous Goods Code" indicate the hazard class of Flammable liquid is more appropriate. The National Fire Protection Association, in its manual entitled "Fire Hazard Properties of Flammable Liquids, Gases and Volatile Solids," indicates the flash point of the first named material in the mixture as 95° F. and the other as 60° F. thus, changing the hazard class of the mixture to Flammable liquid would reflect the flammable nature of this mixture and more appropriately describe the hazard that would be important in emergency response,

Also, the MTB proposes to revise the heading and paragraph (a) of § 173.352 to include Cyanide solutions, n.o.s. classed as a Poison B, UN 1935, which would be added to the Hazardous Materials Table even though not shown , in the § 172.101 Table in this notice. The omission of this material from the Table came to MTB's attention shortly before publication of this notice. Due to the manner in which MTB programs and retrieves this Table from automatic data processing equipment, reprogramming the Table would have inordinately delayed publication of this notice. However, despite the fact that the entry Cyanide solutions, n.o.s. does not appear in the formal proposal, MTB is proposing that it be added to the Hazardous Materials Table and hereby gives notice of such proposal. The MTB believes the packagings authorized by § 173.352 for sodium cyanide or potassium cyanide are more appropriate for cyanide solutions, n.o.s. than the general packagings that would otherwise be authorized for this material under § 173.346 for a poisonous liquid, n.o.s.

Fuel, aviation turbine, engine is now in the Table as a Flammable liquid and the MTB proposes to provide an additional entry for it as a Combustible liquid. The MTB has been informed that having this fuel properly identified on the shipping paper will help the aviation industry insure that the correct fuel is being delivered for use in the operation of aircraft. Aviation turbine engine fuel shipped as Fuel oil or as Combustible liquid, n.o.s. for use in aircraft apparently leaves a degree of uncertainty about the actual identity of the material. The MTB believes that the cost for this relatively minor change in documentation would be far outweighed by even a small improvement in aviation safety.

The MTB proposes that § 173.151a(a)(3) be revised to permit continued classification of a hazardous material according to its predominant hazard when it contains an organic peroxide without placing an asterisk before each organic peroxide entry. It is possible that when certain stabilizing diluents are added to certain organic peroxides the predominate hazard is that of the diluent rather than the organic peroxide.

A number of other additions and changes to the Hazardous Materials Table are proposed based on petitions for rulemaking and other sources. Proposed additional entries include Propargyl alcohol which is flammable and poisonous; Chloroprene, uninhibited which would be listed as forbidden (uninhibited chloroprene may polymerize spontaneously so as to cause dangerous evolution of heat]; and Chloroprene, inhibited which is a Flammable liquid. Further, additional entries proposed are: Alcoholic beverage; Benzidine; **Bromochloromethane; Calcium** hypochlorite, hydrated; Chlordane (Flammable liquid); Furan: Morpholine; Morpholine, aqueous mixture: Paraldehyde; Pinene; and 1,1,1, **Trichloroethane.** Packaging reference revisions are proposed for the Compressed gas, n.o.s.; Refrigerating machine and Strychnine, solid entries while an additional label requirement is proposed for the three Hydrogen peroxide entries.

A comment to Docket HM-126A was received which indicated that if a longer comment period had been available, an evaluation of the assignment of identification numbers would have been made for submission with the comment. Since identification numbers have been proposed for assignment to hazardous materials in Docket HM-126A (44 FR 32972; June 7. 1979), Docket HM-126A Supplement (44 FR 43858; July 26, 1979), and this Docket, such comments may be submitted in response to this notice, if they were not provided in earlier comments.

The primary drafters of this notice are George E. Cushmac and Lee E. Metcalfe of the Office of Hazardous Materials Regulation, Materials Transportation Bureau.

In consideration of the foregoing, it is proposed to amend Parts 172 and 173 of Title 49, Code of Federal Regulations as follows:

PART 172—HAZARDOUS MATERIALS TABLE AND HAZARDOUS MATERIALS COMMUNICATIONS REGULATIONS

1. Section 172.101, the Hazardous Materials Table, would be amended by the addition of the following entries in their appropriate alphabetical sequence with the accompanying identification number for each in Column 3(a).

§ 172.101 Hazardous materials table.

2. In § 172.203 paragraph (i)[2] would be deleted; paragraph (i)[3] would be redesignated as (i)[2]; paragraphs (j). (k) and (l) would be added to read as follows:

§ 172.203 Additional description requirements.

(j) If a material is properly described according to an n.o.s. entry in § 172.101 or § 172.102, the technical name of the material shall be entered in parentheses on the shipping paper immediately following the proper shipping name. For example: Corrosive liquid, n.o.s. (caprylyl chloride), Corrosive material, UN1760. If the material is a mixture of two or more hazardous materials, the technical names of at least two components most predominantly contributing to the hazard or hazards of the mixture shall be entered in parentheses. For example: Flammable liquid, corrosive, n.o.s. (methyl alcohol, potassium hydroxide) UN2924. This paragraph does not apply if-

(1) The n.o.s description for material (other than a mixture of hazardous materials of different classes meeting the definition of more than one hazard class) contains the name of the chemical element or group which is primarily responsible for the material being included in the hazard class indicated. For example, Mercury compound, n.o.s., solid Poison B, UN2025.

(2) The material is authorized and properly described as a Limited Quantity (see § 171.8 of this subchapter).

(k) Dangerous When Wet. Except for a hazardous material described as a Water reactive solid, n.o.s., the words "Water Reactive" shall be entered on the shipping paper in association with the basic description when a package covered by the basic description is required to be labeled with a Dangerous When Wet label.

(1) Poison. If there is no indication in the shipping name or hazard class that a

material is a poison, the word "Poison" shall be entered on the shipping paper in association with the basic description when a package covered by the basic description is required to be labeled with a POISON label.

3. Section 172.300 would be revised to read as follows:

§ 172.300 General marking requirements.

(a) Except for portable tanks, cargo tanks and tank cars, and as otherwise provided by this subchapter, each person who offers a package containing a hazardous material for transportation shall mark the package in proximity to any label required by this subchapter with—

(1) The proper shipping name prescribed for the material as required by § 172.101 or § 172.102,

(2) The technical name(s) of the hazardous material(s) in the same manner, and under the same conditions, as required for shipping papers by § 172.203(j), and

(3) The identification number listed for the hazardous material in § 172.101 or § 172.102 as appropriate, immediately following the proper shipping name or the technical name, if required.

(b) When it has been determined that a package has been previously marked as required for the material it contains, it need not be remarked.

PART 173—SHIPPERS—GENERAL REQUIREMENTS FOR SHIPMENTS AND PACKAGINGS

4. Section 173.151a(a)(3) would be revised to read as follows:

§ 173.151a Organic peroxide; definition.

(a) * * *

(3) It is determined that the predominant hazard of the material containing an organic peroxide is other than that of an organic peroxide; or

5. Section 173.352 Heading and paragraph (a) would be revised to read as follows:

§ 173.352 Sodium and potassium cyanide solutions, and cyanide solution, n.o.s.

(a) Sodium and potassium cyanide solutions, and cyanide solutions, n.o.s. must be packed in specification packagings as follows:

(49 U.S.C. 1803, 1804; 49 CFR 1.53, App. A to Part 1, and paragraph (a)(4) of App. A, Part

106). Note.—The Materials Transportation Bureau has determined that this proposed regulation will not have a major economic impact under the terms of Executive Order 12044 and DOT implementing procedures (44 FR 11034) nor an environmental impact which would require the preparation of an environmental impact statement under the National Environmental Policy Act (49 U.S.C. 4321 et seq.). A regulatory evaluation and environmental assessment is available for review in the Docket. Issued in Washington, D.C. on November 2, 1979.

Alan I. Roberts,

Associate Director for Hazardous Materials Regulation, Materials Transportation Bureau. BILLING CODE 4910-62-M

§172.101 Hazardous Materials Table

§172.101 Hazardous Materials Table											
(1)	(2)	(3)	(3A)	(4)		5) 45 [°] -5	(5) Maximum net quantity in one package		(T) Willer skippents		
•/ E/ A/	Hazardous materials descriptions and proper shipping names	Hazard class	ID Number	Labolia) required of not	(4)	(1)	(ii) Patrenger	64	ω	64	ω
*	anyput names			errepied)	Esceptions	Specific require- steris	energing alreadt er rallear	Cargo anly aircraft	Cargo vessel	Pus- neague vessel	Other requirements
	(Add) Air conditioning machine. See Refrigerating machine			•							
*	Alcoholic beverage	Flammatle Equid		Finemalie liquid	173.118	173.125	1 quart	10 gullent	1,2	1	
•	Alcoholic beverage	Combustible Equid	NA1957	1	173.118a	Neme	Nolizzia	No Emit	1,2	13	1
	Ammonium nitrate, solution (containing not less than 15% water). See Sec. 173.154(a)(17)	Oxidizer		Oxidizer							
•	Arsenical pesticide (compounds and preparations), liquid, n.o.s.	Flammable Equid		Fiammable liquid	173.118	173,119	1 quirt	10 gn2368	12	1	
•	Arsenical pesticide (compounds and preparations), liquid, n.o.s.	Poison B	UN2759	ſ	172 .313	173,546	1 quart	55 gullom	1,2	1,2	
•	Arsenical pesticide (compounds and preparations), solid, n.o.s.	Poissa B	UN2759	Peison	173.364	173,307	'50 porade	200 pecale	1,2	13	
	Benzidine Benzoic derivative pesticide (compounds	Poison B Flammable	UN1885 NA2770	Poison FlammaNo	17 3.364 173.118	173.365	50 yesads 1 quart	300 pounds 10 guilous	12	1	
	and preparations), liquid, n.o.s. Benzoic derivative pesticide (compounds	Equid Paison B	UN2769	liquid	173.345	173.346	1 quart	55 gallons	1.2	1.2	1
	and preparations), liquid, n.o.s.		UN2769		173.364	173.365	•	-	1.2	1.2	
_	Benzoic derivative pesticide (compounds and preparations), solid, n.o.s.	Poison B		i		Í	50 pozela Larrat	200 posads		1.	1
	Bipyridilium pesticide (compounds and preparations), liquid, n.o.s.	Flammable liquid	ſ	Flammabie	173.118	173.119	1 quart	10 gellons	1.2		ł
•	Bipyridilium pesticide (compounds and preparations), liquid, n.o.s.	Poison B	UN2781		173.345	173.516	1 quart	55 gullons	1.2	1,2	
•	Bipyridilium pesticide (compounds and preparations), solid, n.o.s.	Poison B	UN2781	í i	173.364	173,565	10 poseds	200 pecsão	1,2	1,2	
A	Bromochloromethane	ORM-A	UN1687	None	173.505	173.510 173.675	10 gulices	56 milons -			
	Calcium hypochlorite, hydrated (minimum 5.5% but not more than 10% water)	Oxidiner	UN2880	Oxidiate	173.153	173,154	50 penale	100 pecads	12	1.2	
•	Carbamate pesticide (compounds and preparations), liquid, n.o.s.	Flarmahla Equid	UN2758	Flammable Liquid	173.115	173.119	1 quert	10 galloon .	1,2	1	
•	Carbenate pesticide (compounds and preparations), liquid, a.o.s.	Poison B	UN2757	Peison	172.515	173.316	1 quart	55 gr."ma	13	12	
•	Carbamate pesticide (compounds and	Poison B	UN2757	Peison	173.364	173.363	50 prende	200 preads	12	1.2	
•	preparations), solid, R.O.S. Chlordane, liquid	Flammable	NA2763	Pleamable	173.118	173.119	1 quart	10 gullons	1.2	1	
	Chloroprene, inhibited	liquid Flammable	UN1991	liquid Fiancushe	173.11B	173.119	1 quart	10 gr.Long	1,2	1 .	
	Chloroprese, usinhibited	liquid Forbidden		liquid							
•	Copper based pesticide (compounds and preparations), liquid, n.o.s.	Flammable liquid	UN2776	Flammable Equid	173.119	173,119	I quer	10 gr.C.208	1.2	1	
•	Copper based pesticide (compounds and preparations), liquid, n.o.s.	Poison B	UN2775	Poinou	173.345	173.346	1 quart	65 gulices	1,2	1.2	
•	Copper based pesticide (compounds and preparations), solid, n.o.s.	Poison B	UN2775	Poison	173,564	173,265	50 porada	300 pezzda	12	1.2	
-	Corrosive liquid, poisonous, n.o.s.	Corresive material	UN2922	Corrosive and Paison	173.244	173.245 173.9454	1 ques	1 quart	1	4	
	Cyclohexylamine	Flammable	UN2357	Planmeble Equid	175.118	172.119	1 quest	10 gallons	1,2	1	
•	Dichlorobutene	Corrusive	NA9017	Corrosive	173.244	173.245	1 quart	10 gr.Com	1	4	
	Dichloropropene and propylene dichloride	material Fiammable	NA2047	Flammable	173.118	173_2454 173_119	1 quart	10 gullens	1.2	1	
-	mixture Dithiocarbamate pesticide (compounds and	liquid Flammable	UN2772		173.118	173,119	1 quart	10 51 222	1.2	1	
•	preparations), liquid, n.o.s. Dithiocarbamate pesticide (compounds and	liquid Paison B	UN2771	liquid Poison	173,545	173.546	1 quan	(S plicas	1,2	1.2	
•	preparations), liquid, n.o.s. Dithiocarbamate pesticide (compounds and	Poison B	UN2771	Poison	173.364	173.265	50 penals	200 percals	1.2	1.2	
	preparations), solid, a.o.s. Engine, internal combustion				173,120		-				•
•	Flammable liquid, corrosive, n.o.s.	Flemmable liquid	UN2024	Flammable Liquid and	173.118	173.119	1 quert	1 quart	1,2	1	
-	Flammable liquid, poisonous, n.o.s.	Planmable liquid	UN1992	Corrosive Figurable Squid and	173.115	173.119	1 quart	10 galleon	1.2	1	
•	Flammable solid, corrosive, n.o.s.	Flammable solid	UN2925	Poison Flavamable solid and	173.153	173.154	25 porta	25 preside	1 ~	4	·
·	Flammable solid, poisonous, n.o.s.	Flammable	UN2926	Commine Fianceatic solid and	173,153	173.154	25 pozela	25 pocada	1.2	1	
-	Foel, aviation, turbine engine	Combustible	UN1863	Pecson None	173.1154	Nume	No Emit	No Smit	1.2	1,2	
	Furan	liquid Flammable	UN2089	Firmula	173.118	173.119	1 gaurt	10 gallions	1,2	1	1
	Mercury based pesticide (compounds and	liquid Flammable	1	liquid Flammable	173.118	173.119	1 quest	10 pullices	1.5	1	
	preparations), liquid, n.o.s. Mercury based pesticide (compounds and	Equid Poison B	UN2777	biguid.	173.345	173.546	1 quart	55 milens	1.2	1.2	
	preparations), hquid, n.o.s. Mercury based pesticide (compounds and	Poison B	UN2777	[173.564	173.565	50 younds	200 pozzda		13	
	preparations), solid, n.o.s. Morpholine	Flammable		Flammable	173.118	173.119	1 quart	10 gullous	1.2		
	-	liquid Flammable		Equil Fiscamable	173.118	173.119	t quart	10 gulless	1.2	1	
	Morpholine, aqueous, mixture	Equid		liquid		171.945		10 gulless			1
-	Morpholine, aqueous, mixture	Corrosive material	BAINO	Carrolive	173.344	173.2424	1 quart	to Ermont	1	4	
1	Nitrogen trifluoride	Forbilden	•	•	•	•	•	•	•	•	•

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Marker Opping Name		Hazardous materials descriptions and proper	Hazard	a	required	(1)	(b) ·		1	ω	6)	(c)
 Contraction of and proceedings in products of the product of the			class	Number		Exceptions	require-	carrying aircraft or	Cargo only		senger	Other requirements
Organization for the first energy and the first product of the		Nitrophenol pesticide, substituted (compounds and preparations), liquid or solid, n.o.s. See Substituted nitrophenol pesticide (compounds and preparations),	•		•				-	, £	i	
 and programmedy, solid, a. o.k. Organization, period, and and programmedy, solid, a. o.k. Optimization, solid, solid,	•	liquid or solid, n.o.s. Organochlorine pesticide (compounds and preparations), liquid, n.o.s.	figuid		liquid	1			Ĩ			
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 and programmedy, solid, a. o.k. Organization, period, and and programmedy, solid, a. o.k. Optimization, solid, solid,	•	preparations), solid, n.o.s. Organophosphorus pesticide (compounds	Flammable	UN2784	Flammable	None	173.119	Forbidden	1 quart	1,2	5	
 and programmedy, solid, a. o.k. Organization, period, and and programmedy, solid, a. o.k. Optimization, solid, solid,	•	Organophosphorus pesticide (compounds and preparations), liquid, n.o.s.	Poison B	UN2783	Poison	173.359	173.359	Forbidden	1 quart	1,2	5	
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proprintion), Biglid, A.S., Properticing (compounds and properticing), Biglid, A.S., Properticing (compound and properticing), Biglid, A.S., Properticing, Biglid, B.S., Properticing, Biglid, B.S., Properting, Biglid, B.S., Properticing, Biglid, B.S., Properti			liquid		liquid	· ·	1					· · ·
• Pelenosy peckidke (compounds and proportion), 5014, 0.0. Poices B UN2765 Poices 173.364 173.365 173.365 100 peaks 1.2 1.2 • perportion), 5014, 0.0. Poices B UN2765 Poices 173.365 120 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 </td <td></td> <td>preparations), liquid, n.o.s.</td> <td>liquid .</td> <td>0112100</td> <td>. liquid and</td> <td>110.110</td> <td>110.110</td> <td>- dame</td> <td>10 ganous</td> <td>1</td> <td>[</td> <td></td>		preparations), liquid, n.o.s.	liquid .	0112100	. liquid and	110.110	110.110	- dame	10 ganous	1	[
 Pithalalinde derivative pesticide (compounds and preparations), liquid, n.o., n.o., Price Poison B UN2773 Poison B UN2775 Poison B UN2776 <l< td=""><td>•</td><td>Phenoxy pesticide (compounds and</td><td>Poison B</td><td>UN2765</td><td></td><td>173.345</td><td>173.346</td><td>1 quart.</td><td>55 gallons</td><td>1,2</td><td>1,2</td><td>· · · · · ·</td></l<>	•	Phenoxy pesticide (compounds and	Poison B	UN2765		173.345	173.346	1 quart.	55 gallons	1,2	1,2	· · · · · ·
 Pithalalinde derivative pesticide (compounds and preparations), liquid, n.o., n.o., Price Poison B UN2773 Poison B UN2775 Poison B UN2776 <l< td=""><td>•</td><td>Phenoxy pesticide (compounds and preparations), solid, n.o.s.</td><td></td><td></td><td></td><td></td><td></td><td>{ -</td><td>-</td><td></td><td></td><td>· · ·</td></l<>	•	Phenoxy pesticide (compounds and preparations), solid, n.o.s.						{ -	-			· · ·
 Pithalalinde derivative pesticide (compounds and preparations), liquid, n.o., n.o., Price Poison B UN2773 Poison B UN2775 Poison B UN2776 <l< td=""><td>•</td><td>Phenylurea pesticide (compounds and preparations), liquid, n.o.s.</td><td>liquid</td><td></td><td>liquid</td><td></td><td>1</td><td>1 -</td><td></td><td></td><td>-</td><td>۰ ۱</td></l<>	•	Phenylurea pesticide (compounds and preparations), liquid, n.o.s.	liquid		liquid		1	1 -			-	۰ ۱
 Pithalalinde derivative pesticide (compounds and preparations), liquid, n.o., n.o., Price Poison B UN2773 Poison B UN2775 Poison B UN2776 <l< td=""><td>•</td><td>Phenylurea pesticide (compounds and preparations), liquid, n.o.s.</td><td></td><td>· ·</td><td></td><td>1</td><td></td><td>7</td><td></td><td></td><td></td><td>() /</td></l<>	•	Phenylurea pesticide (compounds and preparations), liquid, n.o.s.		· ·		1		7				() /
 Pithalalinde derivative pesticide (compounds and preparations), liquid, n.o., n.o., Price Poison B UN2773 Poison B UN2775 Poison B UN2776 <l< td=""><td></td><td>Phenylurea pesticide (compounds and preparations), solid, n.o.s. Phthalimide derivative pesticide (compounds and accountion), limitd</td><td>Flammable</td><td></td><td>'Flammable</td><td></td><td>1</td><td></td><td></td><td>1</td><td></td><td>•</td></l<>		Phenylurea pesticide (compounds and preparations), solid, n.o.s. Phthalimide derivative pesticide (compounds and accountion), limitd	Flammable		'Flammable		1			1		•
 Pintalinitied derivative pesticide (compound and preparations), solid, no.s. Poison B UN2763 Poison B UN2968 Flammable (compound and preparation), solid, corrosive, no.s. Poison B UN2968 Paison B UN29769 Paison B UN29769		Phthalimide derivative pesticide	-	UN2773		173.345	179.346	1 quart	55 gallons	1,3	1,2	
PincnePincnePincinable liquid Poison BPincinable liquid Poison BPincinable liquid Poison BPincinable liquid Poison BPincinable liquid Poison BPincinable liquid Poison BPincinable liquid Poison BPincinable Poison BPincinable Pincinable Poison BPincinable Pincinable PincinablePincinable Pincinable PincinablePincinable Pincinable PincinablePincinable Pincinable PincinablePincinable Pincinable PincinablePincinable Pincinable PincinablePincinable Pincinable PincinablePincinable Pincinable PincinablePincinable Pincinable PincinablePincinable PincinablePincinable PincinablePincinable PincinablePincinable PincinablePincinable PincinablePincinable PincinablePincinable 	•	n.o.s. Phthalimide derivative pesticide	Poison B	UN2773	Poison	178.364	173.365	50 pounds	200 pounds	1,2	1,2	· · ·
Poison 01Poison BUN3292Poison ad Corrosive, n.o.s.173.364173.36525 pounds100 pounds14Propargyl alcoholFlammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Flammable liquidNa1086Na1086Flammable liquidNa1086Na		Pincne		UN2368	Flammable	173.118	173.119	1 quart	10 gallons	1,2	1	
Propargyl slocholFlammable Liquid and ProtionNa1080Flammable Liquid and ProtionNone Liquid and Protion173.119Forbidden1 quart1,25Substituted nitrophenol pesticide (compounds and preparation), liquid, Dota - ultrophenol pesticide (compounds and preparation), liquid, Poison BIV82780Poison173.345173.3461 quart55 gallons1,21,2Substituted nitrophenol pesticide (compounds and preparation), liquid, Personich and preparation), liquid, Inquid, n.o.s.None173.345173.3461 quart55 gallons1,21,2Substituted nitrophenol pesticide (compounds and preparation), liquid, Personich and Personich, l.o.s.Distant and Equid UN2760Poison BUN2770Poison173.3461 quart10 gallons1,21,2Trazine pesticide (compounds and preparation), liquid, n.o.s. (chronoth and Preparation), liquid, n.o.s.Distant and Poison BUN2760Poison BUN2760Poison B173.3461 quart10 gallons1,21,2Trazine pesticide (compounds and preparation), liquid, n.o.s. (chronoth and Preparation), liquid, n.o.s.Poison BUN2760Poison BUN2760Poison BUN2760Poison BUN2760Poison BUN2760Poison BUN2760Poison BUN2760Poison B173.3461 quart10 gallons1,21,2Primable provide poison BUN2760Poison BUN2760Poison BUN2760Poison B173.3461 quart		Poisonous solid, corrosive, n.o.s.	Poison B	UN2928	Poison and	173.364	173.365	25 pounds	100 pounds	1	4	•
 Substituted nitrophenol pesticide 1 (compounds and preparations), liquid, n.o.s. Substituted nitrophenol pesticide (compounds and preparations), liquid, n.o.s. Poison B UN2779 Poison B UN2779 Poison B UN2764 Flammable Liquid UN2765 Flammable Liquid Traine pesticide (compounds and preparations), folid, n.o.s. Nonflammable UN1956 Konflammable Hydrogen peroxide solution (40% to 52% Prixide) Oridizer UN2014 Oridizer and Corrosive Hydrogen peroxide solution (40% to 52% Prixide) Oridizer UN2015 Oridizer UN2016 Nonflammable Traine Nonflammable Traine Nonflammable Traine Nonflammable Nonflammable Traine Nonflammable Traine Nonflammable Traine Nonflammable Non				NA1986	Flammable liquid and	None	173,119	Forbidden	1 quart	1,3	5	
(compounds and preparations), liquid, n.0.5.Poison BUN2779Poison BUN2779Poison B178.364173.86550 pounds200 pounds1.21.2Substituted nitrophenol pesticide (compounds and preparations), liquid, n.o.s.Frammable bguidUN2778Poison BUN2778Poison B173.118173.1191 quart10 galloss1.21.2Trizzine pesticide (compounds and and preparations), liquid, n.o.s.Poison BUN2763Poison BUN2763Poison B173.345173.345173.3461 quart55 galloss1.21.2Trizzine pesticide (compounds and preparations), loid, n.o.s.Poison BUN2763Poison B173.364173.364173.36550 pounds200 pounds1.21.21,1,1-Trichloroethane. See Methyl chloropropen and propylene dichloride mixtureNonflammable gasUN1956Nonflammable173.306173.3021 quart10 gallons1.21.2Hydrogen peroxide solution (8% to 40% peroxide)UN1956Nonflammable gas173.306173.306173.304173.244173.246173.2661 quart1 gallon1.21.2Hydrogen peroxide solution (6% to 40% peroxide)Oxidizer and corrotiveUN2014Oxidizer and Corrotive173.244173.244173.246173.2661 quart1 gallon1.21Hydrogen peroxide solution (60% to 52% peroxide)Oxidizer and CorrotiveUN2015Oxidizer and Corrotive173.266Forbidden<	•	n.o.s.			Flammable fliquid	173.118	· ·	1 quari	10 gallons	1,2	1	4
 Substituted nitrophenol pesticide (compounds and preparations), solid, no.s. Triazine pesticide (compounds and preparations), fould, no.s. Triazine pesticide (compounds and preparations), founds, no.s. Triazine pesticide (compounds and preparations), founds, no.s. Triazine pesticide (compounds and propertient), founds, no.s. Triazine pesticide (compounds and propertient), founds, no.s. Triazine pesticide (compounds and propytene dichloride mixture Corrosive mixture Nonfammable UN1956 Nonfammable UN2763 Nonfammable Poison B UN2763 Poison B UN264 Corrosive II73.206 I73.306 I73.306 I73.306 I73.206 I quart I gallon I.2 Shade from radiant beat. Separate from permations (add from radiant beat. Separate from permations (add from radiant beat. Separate from pertoxide colution (40% to 52% (Oxidizer and Corrosive Oxidizer and Corrosive Oxide colution (over 5	•	(compounds and preparations), liquid,	Poison B	UN2779	Poison	173.945	173.346	1 quart	55 gallons	1,2	1,2	
preparations), liquid, n.o.s.liquid.Discolliquid. </td <td>•</td> <td>Substituted nitrophenol pesticide</td> <td>Poison B</td> <td>UN2779</td> <td>Poison</td> <td>178.364</td> <td>173.365</td> <td>50 pounds</td> <td>200 pounds</td> <td>1,2</td> <td>1,2</td> <td></td>	•	Substituted nitrophenol pesticide	Poison B	UN2779	Poison	178.364	173.365	50 pounds	200 pounds	1,2	1,2	
preparations), liquid, n.o.s. Trizzine pesticide (compounds and preparations), solid, n.o.s.Poison BUN2763Poison173.364173.36550 pounds200 pounds1.21.21.21,1,1-Trichloroctinane. See Methyl chloroform (Delete)Dichloropopene and propylene dichloride mixtureCorrosive MX2047NA2047Corrosive173.244173.2451 quart10 gullons1.21.21.2Dickloropropene and propylene dichloride mixtureCorrosive mixtureNonflammableUN1956Nonflammable173.306173.307150 pounds300 pounds1.21.2Hydrogen peroxide solution (8% to 40% peroxide)Oxidizer unceUN2014Oxidizer and Corrosive173.244173.2661 quart1 gallon1.21Hydrogen peroxide solution (40% to 52% peroxide)Oxidizer unceUN2014Oxidizer and Corrosive173.266ForbiddenForbidden14Hydrogen peroxide solution (over 52% peroxide)Oxidizer unceUN2015Oxidizer and Corrosive173.266Forbidden15Shade from radiant beat. Separate from pertor manganates. Keep away from powdered metals.Hydrogen peroxide solution (over 52%) peroxide)Oxidizer unceUN2015Oxidizer and Corrosive173.266Forbidden15Shade from radiant beat. Separate from protect metals.Hydrogen peroxide solution (over 52%) peroxide)Oxidizer unceUN2015Oxidizer and Corrosive173.266Forbidden15 <td>•</td> <td>preparations), liquid, n.o.s.</td> <td>l liquid</td> <td></td> <td>bimid</td> <td>· .</td> <td>•</td> <td>1 -</td> <td>l Č</td> <td></td> <td>1</td> <td>, ·</td>	•	preparations), liquid, n.o.s.	l liquid		bimid	· .	•	1 -	l Č		1	, ·
preparations), solid, n.o.s. (1,1)-Trichloroothane. See Methyl chloroothane. See Methyl (Delete) Dichloropropene and propylene dichloride mixtureNA2047 Corrosive mixtureCorrosive 173.244173.2451 quart10 gullons1,21,2Dichloropropene and propylene dichloride mixture Engine. Internal combustion (Revise) Compressed gas, n.o.s.Nonflammable gasUN1956Nonflammable gas173.306173.302 173.306150 pounds500 pounds1,21,2Hydrogen peroxide solution (8% to 40% peroxide)OxidizerUN2014Oxidizer and Corrosive173.244173.2661 quart1 gallon1,21Hydrogen peroxide solution (40% to 52% peroxide)OxidizerUN2014Oxidizer and Corrosive173.244173.266Forbidden14Shade from radiant heat. Separate from pertensions marganates. Keep away from powdered metals.Hydrogen peroxide solution (40% to 52% peroxide)OxidizerUN2015Oxidizer and Corrosive173.266ForbiddenForbidden15Hydrogen peroxide solution (over 52% peroxide)OxidizerUN2015Oxidizer and Corrosive173.266ForbiddenForbidden15Refrigerating machineNonflammableUN2857Nonflammable173.306No limitNo limitNo limit1,31,3	•	Triazine pesticide (compounds and preparations), liquid, n.o.s.	Poison B		Į	1	1					
Chloroform (Delete) Dichloropropene and propylene dichloride mixtureCorrosive mixtureNA2047Corrosive 173.244173.2451 quart10 gallons1,21,2Dichloropropene and propylene dichloride Emgine, internal combustion (Revise) Compressed gas, n.o.s.Nonflammable gasUN1956Nonflammable gas173.306173.302 173.306150 pounds1,21,21,2Hydrogen peroxide solution (3% to 40% peroxide)Oxidizer aUN2014Oxidizer and Corrosive173.244173.2661 quart1 gallon1,21Hydrogen peroxide solution (40% to 52% peroxide)Oxidizer aUN2014Oxidizer and Corrosive173.244173.266Forbidden14Shade from radiant heat. Separate from pret- manganates. Keep away from powdetted metals.Hydrogen peroxide solution (40% to 52% peroxide)Oxidizer UN2015UN2014Oxidizer and Corrosive173.244173.266Forbidden14Shade from radiant heat. Separate from pret- manganates. Keep away from powdetted metals.Hydrogen peroxide solution (over 52%) peroxide)Oxidizer UN2015UN2015Oxidizer and Corrosive173.206ForbiddenForbidden15Shade from radiant heat. Separate from pret- manganates. Keep away from powdeted metals. CorrosiveRefrigerating machineNonflammable UN2015UN2015Nonflammable173.206None173.266Forbidden15Shade from radiant heat. Separate from pret- manganates. Keep away from powdeted metals.<	•	Triazine pesticide (compounds and preparations), solid, n.o.s.	Poison B	UN2763	Poison .	173.364	173.365	50 pounds	200 pounds	1,2	1,2	1.a
Dichloropropene and propylene dichloride mixture Engine, internal combustion (Revise) Corrosive mixture NA2047 Corrosive mixture 173.244 173.245 1 quart 10 gullons 1,2 1,2 Compressed gas, n.o.s. Nonflammable gas UN1956 Nonflammable gas 173.204 173.304 150 pounds 300 pounds 1,2 1,2 Hydrogen peroxide solution (3% to 40% Oxidizer way form powdeted peroxide) Oxidizer UN2014 Oxidizer and Corrosive 173.244 173.266 1 quart 1 gallon 1,2 1 Hydrogen peroxide solution (40% to 52% peroxide) Oxidizer UN2014 Oxidizer and Corrosive 173.244 173.266 1 quart 1 gallon 1,2 1 Shade from radiant beat. Separate from pret- manganates. Keep away from powdeted metals. Hydrogen peroxide solution (40% to 52% peroxide) Oxidizer UN2014 Oxidizer and Corrosive 173.244 173.266 Forbidden 1 4 Shade from radiant beat. Separate from pret- manganates. Keep away from powdeted metals. Hydrogen peroxide solution (over 52% peroxide) Oxidizer and Corrosive 173.266 Forbidden 1 5 Shade from radiant beat. Separate from pret- manganate. Keep away from powdeted metals. <td></td> <td>chloroform</td> <td>l.</td> <td></td> <td>•</td> <td></td> <td>ļ</td> <td></td> <td>1</td> <td>l ·</td> <td></td> <td></td>		chloroform	l.		•		ļ		1	l ·		
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Hydrogen peroxide solution (40% to 52% . peroxide) Hydrogen peroxide solution (over 52% Oxidizer UN2014 Oxidizer UN2014 Oxidizer UN2014 Oxidizer UN2014 Oxidizer UN2015 Oxidi				UN2014	Oxidizer and		173.305	1 quart	1 gallon	1,2	1	Shade from radiant heat. Separate from per- manganates. Keep away from powdered
peroxide) Hydrogen peroxide solution (over 52% Oxidizer UN2015 Corrosive Oxidizer and Corrosive None 173.266 Forbidden 1 5 Shade from redain to be a Separate from period metals. Concentrations approved by the Uo- peroxide) Refrigerating machine Nonfianmable UN2857 Nonfianmable 173.306 No limit No limit 1,3 1,3	•	Hydrogen peroxide solution (40% to 52%	Oxidizer	UN2014	Oxidizer and "	178.244	173.266	Forbidden	Forbidden	i	4	metals. Shade from radiant heat. Separate from perox-
Refrigerating machine Nonflammable UN2857 Nonflammable 173.306 No limit No limit 1,3 1,3 metals. Concentrations greater than 60% hy- drogen peroaide not permitted on any ressel except trader conditions approved by the Do- partment.		peroxide) Hydrogen peroxide solution (over 52%	Oxidizer	UN2015	Corrosive Oxidizer and	None		l .		1		ides. Keep away from powdered metals. Shade from radiant heat. Separate from per-
Refrigerating machine Nonfianmable UN2857 Nonfianmable 173.306 No limit No limit 1,3 1,3		priority		 '		ŀ]		1	[``	metals. Concentrations greater than 60% hy-
Refrigerating machine Nonfianmable UN2857 Nonfianmable 173.306 No limit No limit 1,3 1,3			· .			1	· : :)]			except under conditions approved by the Do-
	-				gus						1,3	
Strychnine, solid Poison B UN1692 Poison 173.364 173.365 Forbidden 200 pounds 1,2 1,2 [FR Doc. 79–34612 Filed 11–7–79; 8:45 am]		•	gas Poison B	I UN1692	Poison		1 173.365*	Forbidden	l 200 pounda	11,2	1,2	1

[FR Doc. 79-34612 Filed 11-7-79; 8:45 am] BILLING CODE 4910-62-C