



AMERICAN
HEALTH
PACKAGING®



NIOSH hazardous
drugs reference

We offer the industry's largest unit dose oral solids portfolio – with more products on the way.

December 1, 2019 marks the official date for USP general chapter <800> compliance. Alongside general chapters <797> and <795>, <800> standards were created to support safe hazardous drug handling while protecting patients and caregivers alike.

Effective medication procurement strategies require reliable access to needed treatments. While you are optimizing your own strategy – mitigating in-house repackaging tasks by sourcing pre-packaged medications – consider AHP.

*These are items identified at the time of publication. The AHP product line continues to develop. If you have any questions regarding the accuracy of this list, contact AHP or reference the current NIOSH list.

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Support adherence to USP general chapter <800> with unit dose products

American Health Packaging offers a large selection of antineoplastic and hazardous drugs as part of an industry-leading portfolio of unit-dose products. This document serves as a reference for those treatments, as defined by the National Institute of Occupational Safety and Health (NIOSH), that are produced by AHP in a unit-dose package. Products are listed based on their NIOSH classification:

2024 NIOSH

Table 1

Drugs that have MSHI in the package insert and / or meet the NIOSH definition of a hazardous drug and one or more of the following criteria: are classified by the NTP as “known to be a human carcinogen”, or are classified by IARC as Group 1, “carcinogenic to humans” or Group 2A, “probably carcinogenic to humans.”

Table 2

Drugs that meet the NIOSH definition of a hazardous drug and do not have MSHI, are not classified by NTP as “known to be a human carcinogen,” and are not classified by IARC as Group 1, “carcinogenic to humans,” or Group 2A, “probably carcinogenic to humans.” (Some may also have adverse developmental and /or reproductive effects.)

*These are items identified at the time of publication. The AHP product line continues to develop. If you have any questions regarding the accuracy of this list, contact AHP or reference the current NIOSH list.

2024 Hazardous drugs list changes

The 2024 List adds 25 drugs, 12 of which have special handling¹ information from the manufacturers, and removes 7 drugs² from the list. Drugs reviewed for this update were new drug approvals or received new safety-related warnings from FDA during the period from January 2014 through December 2015. In addition to these updates, the tables categorizing hazardous drugs have been reorganized and are discussed below.

Table 1 now includes drugs that have MSHI in the package insert and / or meet the NIOSH definition of a hazardous drug and one or more of these criteria:

- Are classified by the National Toxicology Program (NTP) as “known to be a human carcinogen”
- Are classified by the International Agency for Research on Cancer (IARC) as Group 1 “carcinogenic to humans” or Group 2A “probably carcinogenic to humans”

In the 2016 List, this table identified antineoplastic drugs; however, in this update, not all of the drugs in Table 1 are antineoplastic drugs.

Table 2 now contains drugs that meet one or more of the criteria in the NIOSH definition of a hazardous drug and

- Do not have MSHI
- Are not classified by the NTP as “known to be a human carcinogen”
- Are not classified by the IARC as Group 1 “carcinogenic to humans” or Group 2A “probably carcinogenic to humans”

Some drugs in Table 2 may also have adverse developmental and/or reproductive effects.

Table 2 now also includes drugs that only meet the NIOSH criteria as a developmental (in-cluding teratogenicity) and/or reproductive hazard. In the 2016 update of the List, this table did not include drugs that only posed a developmental and/or reproductive hazard.

¹When NIOSH becomes aware of recently approved drugs that include MSHI, it adds them to the List at that time. The notifications of these additions are posted to the NIOSH website at <https://www.cdc.gov/niosh/docs/2016-161/default.html>. These drugs would have been officially on the previous version of the List from the date of the notification and are only now being added into the publication.

²When NIOSH removes a drug from the List, the notifications of these removals are posted to the NIOSH website at <https://www.cdc.gov/niosh/docs/2016-161/default.html>.

Table 1

Unit dose oral solids

AB item #	CAH item #	McK item #	M&D item #	Product description	Strength	Size	NDC
10024958	4054912	2114452	960450	Azathioprine Tablet	50 mg	100 UD	68084-0229-01
10163242	5234273	3535085	498360	Capecitabine Tablet	500 mg	20 UD	60687-0149-94
10146693	5199302	3501673	582585	Cyclosporine Capsule	25 mg	30 UD	68084-0879-25
10158163	5203633	3502564	581603	Cyclosporine Capsule	100 mg	30 UD	68084-0921-25
10054968	4101721	1713635	946293	Hydroxyurea Capsule	500 mg	100 UD	68084-0284-01
10296976	5970884	3016946	577767	Imatinib Mesylate Tablet	100 mg	30 UD	60687-0882-21
10225466	5551551	3980182	740639	Mycophenolate Mofetil Tablet	500 mg	100 UD	60687-0438-01
10294101	5951975	2996510	433219	Valganciclovir Tablet	450 mg	20 UD	68084-0965-19
10147194	5054606	3421245	113977	Valganciclovir Tablet	450 mg	30 UD	68084-0965-25

Powder for solution

AB item #	CAH item #	McK item #	M&D item #	Product description	Strength	Size	NDC
10283583		2873073	316364	Valganciclovir for Oral Solution	50 mg/1 mL	1 bottle	60687-0765-13

Table 2

Unit dose oral solids

AB item #	CAH item #	McK item #	M&D item #	Product description	Strength	Size	NDC
10113037	4826467	1903673	216119	Abacavir Tablet	300 mg	30 UD	68084-0021-21
10291553	5939830	2977940	411686	Abiraterone Acetate Tablet	250 mg	30 UD	60687-0790-21
10160004	5219126	3521051	612473	Anastrozole Tablet	1 mg	30 UD	60687-0112-21
10232514	5592001	1503739	886077	Carbamazepine Chewable Tablet	100 mg	100 UD	60687-0479-01
10262998	5762802	2383479	145474	Carbamazepine ER Tablet	200 mg	30 UD	60687-0583-21
10102264	4556361	1609270	264671	Carbamazepine ER Tablet	400 mg	30 UD	60687-0594-21
10280247	4985271	2900314	7164523	Carbamazepine Tablet	200 mg	100 UD	68084-0444-01
10186297	5441928	3787827	248344	Colchicine Capsule	0.6 mg	30 UD	60687-0358-25
10281760	5862248	2842201	299503	Colchicine Tablet	0.6 mg	30 UD	60687-0727-21
10019859	4212825	2211472	956102	Divalproex Sodium DR Capsule	125 mg	100 UD	68084-0313-01
10290175				Divalproex Sodium DR Capsule	125 mg	50 UD	68084-0313-65
10129188	4942181	2056075	873638	Divalproex Sodium ER Tablet	250 mg	100 UD	68084-0310-01
10129187	4942199	2056067	873711	Divalproex Sodium ER Tablet	500 mg	100 UD	68084-0415-01
10276893	5827282	2682078	256081	Divalproex Sodium ER Tablet	500 mg	80 UD	68084-0415-02
10167970	5463542	3436854	554972	Entecavir Tablet	0.5 mg	30 UD	60687-0216-25
10296147	5964937	3010238	567255	Extended Phenytoin Sodium Capsule	100 mg	100 UD	60687-0841-01
10229320	5562665	3981263	779165	Finasteride Tablet	5 mg	100 UD	60687-0428-01
10232710	5593199	1505148	887141	Finasteride Tablet	5 mg	50 UD	60687-0428-65
10142815	5038120	3425857	112151	Fluconazole Tablet	100 mg	100 UD	68084-0728-01
10142816	5030531	3404407	960492	Fluconazole Tablet	200 mg	100 UD	68084-0735-01
10149129	5279278	3952769	808212	Medroxyprogesterone Acetate Tablet	10 mg	30 UD	60687-0105-21
10272203	5812599	2654184	188227	Methimazole Tablet	5 mg	100 UD	60687-0669-01
10271568	5806484	2644508	192120	Methimazole Tablet	10 mg	100 UD	60687-0680-01
10287253	5908769	2919595	360404	Methylergonovine Maleate Tablet	0.2 mg	20 UD	60687-0813-94
10278166	5840129	2806412	273425	Misoprostol Tablet	100 mcg	100 UD	60687-0735-01
10278068	5840137	2806420	273466	Misoprostol Tablet	200 mcg	100 UD	60687-0746-01
10147279	5060173	3438751	129775	Mycophenolic Acid DR Tablet	180 mg	30 UD	68084-0907-21
10147480	5075825	3441870	209353	Mycophenolic Acid DR Tablet	360 mg	30 UD	68084-0918-25
10276136	5826268	2676617	254565	Oxcarbazepine Tablet	150 mg	100 UD	60687-0711-01
10276211	5824453	2673697	252064	Oxcarbazepine Tablet	300 mg	100 UD	60687-0722-01
10274352	5825096	2674703	253567	Oxcarbazepine Tablet	600 mg	100 UD	60687-0733-01

Unit dose oral solids continued

AB item #	CAH item #	McK item #	M&D item #	Product description	Strength	Size	NDC
10055742	3529534	2167492	615245	Paroxetine HCl Tablet	10 mg	100 UD	68084-0044-01
10055750	3529583	2167914	615252	Paroxetine HCl Tablet	20 mg	100 UD	68084-0045-01
10055752	3526910	2168565	615260	Paroxetine HCl Tablet	30 mg	100 UD	68084-0046-01
10055753	3526902	2168656	988352	Paroxetine HCl Tablet	40 mg	100 UD	68084-0047-01
10160347	5202759	3950227	581207	Phenytoin Chew Tablet	50 mg	30 UD	60687-0156-25
10154256	5168331	3501871	431973	Propylthiouracil Tablet	50 mg	30 UD	68084-0964-25
10170941	5307616	3605383	865238	Raloxifene Tablet	60 mg	30 UD	60687-0266-21
10160289	5202783	3950235	581157	Sirolimus Tablet	1 mg	30 UD	68084-0915-25
10225426	5552146	3961026	731851	Spironolactone Tablet	25 mg	100 UD	60687-0465-01
10225499	5552153	3961083	731869	Spironolactone Tablet	50 mg	100 UD	60687-0476-01
10225650	5552161	3961091	732073	Spironolactone Tablet	100 mg	100 UD	60687-0487-01
10083640	4336186	1201946	079764	Tacrolimus Capsule	0.5 mg	100 UD	68084-0449-01
10083641	4336228	1202654	079772	Tacrolimus Capsule	1 mg	100 UD	68084-0450-01
10083642	4336236	1203736	079780	Tacrolimus Capsule	5 mg	100 UD	68084-0451-01
10106832	4735395	1306091	054921	Temazepam Capsule (CIV)	7.5 mg	30 UD	68084-0549-21
10015833	4218459	2158806	955872	Topiramate Tablet	25 mg	100 UD	68084-0342-01
10231193	5586110	3998713	792960	Topiramate Tablet	50 mg	100 UD	68084-0343-01
10015863	4218475	2173029	955898	Topiramate Tablet	100 mg	100 UD	68084-0344-01
10015868	4218483	2173151	955906	Topiramate Tablet	200 mg	30 UD	68084-0345-21
10123536	4903183	2071470	757039	Tretinoin Capsule	10 mg	30 UD	68084-0075-21
10181515	5457239	3906732	350694	Voriconazole Tablet	50 mg	30 UD	60687-0294-21
10180505	5401450	3698016	068577	Voriconazole Tablet	200 mg	30 UD	60687-0273-21
10037594	3601572	1713544	746073	Warfarin Tablet	2 mg	100 UD	62584-0984-01
10037600	3601598	1983485	668921	Warfarin Tablet	2.5 mg	100 UD	68084-0027-01
10037618	3601648	1715325	668939	Warfarin Tablet	5 mg	100 UD	62584-0994-01
10146470	5047048	3416385	870261	Ziprasidone HCl Capsule	20 mg	80 UD	68084-0103-09
10146473	5047055	3416419	870295	Ziprasidone HCl Capsule	40 mg	80 UD	68084-0104-09
10146474	5047063	3411683	031088	Ziprasidone HCl Capsule	60 mg	80 UD	68084-0105-09
10146472	5047071	3411691	031096	Ziprasidone HCl Capsule	80 mg	80 UD	68084-0106-09
10189310	5476098	2236909	410290	Zonisamide Capsule	100 mg	100 UD	60687-0230-01

Liquid unit does

AB item #	CAH item #	McK item #	M&D item #	Product description	Strength	Size	NDC
10209414	5508114	3751294	560649	Phenytoin Oral Suspension	100 mg/4 mL	50 UD	60687-0275-66

Hitting the mark

AHP unit dose simplifies one of the most complex parts of your job – reliably obtaining needed treatments – in a format that promotes positive outcomes for your patients.

In business for over 30 years, American Health Packaging is the market leader in providing barcoded unit dose oral solids to the healthcare marketplace. We provide a specialized portfolio of approximately 600 oral solid, liquid, and inhalation products to support bedside point-of-care initiatives. Our manufacturing facility is registered with the Food and Drug Administration (FDA), adheres to current Good Manufacturing Practices (cGMP), and is licensed by the Drug Enforcement Administration (DEA) to package Schedule II-V controlled substances.

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