[BILLING CODE 6560-50-P]

ENVIRONMENTAL PROTECTION AGENCY

[EPA-HQ-OPPT-2013-0248; FRL-9391-5]

Seventy-Second Report of the TSCA Interagency Testing Committee to the Administrator of the Environmental Protection Agency; Receipt of Report and Request for Comments

AGENCY: Environmental Protection Agency (EPA).

ACTION: Notice.

SUMMARY: The Toxic Substances Control Act (TSCA) Interagency Testing Committee (ITC) transmitted its 72nd ITC Report to the Acting EPA Administrator on June 13, 2013. In the 72nd ITC Report, which is included with this notice, the ITC is revising the TSCA section 4(e) *Priority Testing List* by removing 16 chemicals with insufficient dermal absorption rate data, 98 High Production Volume (HPV) Challenge Program orphan chemicals, and 50 diisocyanates and related compounds. The ITC is removing 16 chemicals with insufficient dermal absorption rate data because information from dermal studies can be readily obtained through the Organization for Economic Cooperation and Development (OECD) and EPA databases or other authoritative scientific resources. The ITC is removing the 98 HPV Challenge Program orphan chemicals because they no longer meet the ≥ 1 million lb criterion for the HPV Challenge Program. The ITC is removing the 50 diisocyanates and related compounds because their production or importation volumes were not reported to the 2006 Inventory Update Reporting (IUR) rule or the 2012 Chemical Data Reporting (CDR) rule.

13T-0706

DATES: Comments must be received on or before [**INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER**].

ADDRESSES: Submit your comments, identified by docket identification (ID) number EPA-HQ-OPPT-2013-0248, by one of the following methods:

• *Federal eRulemaking Portal*: *http://www.regulations.gov*. Follow the online instructions for submitting comments.

• *Mail*: Document Control Office (7407M), Office of Pollution Prevention and Toxics (OPPT), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001.

• *Hand Delivery*: OPPT Document Control Office (DCO), EPA East Bldg., Rm. 6428, 1201 Constitution Ave., NW., Washington, DC. ATTN: Docket ID Number EPA-HQ-OPPT-2013-0248. The DCO is open from 8 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. The telephone number for the DCO is (202) 564-8930. Such deliveries are only accepted during the DCO's normal hours of operation, and special arrangements should be made for deliveries of boxed information.

Instructions: Direct your comments to docket ID number EPA-HQ-OPPT-2013-0248. EPA's policy is that all comments received will be included in the docket without change and may be made available online at *http://www.regulations.gov*, including any personal information provided, unless the comment includes information claimed to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Do not submit information that you consider to be CBI or otherwise protected through regulations.gov or email. The regulations.gov website is an "anonymous access" system, which means EPA will not know your identity or contact

information unless you provide it in the body of your comment. If you send an email comment directly to EPA without going through regulations.gov, your email address will be automatically captured and included as part of the comment that is placed in the docket and made available on the Internet. If you submit an electronic comment, EPA recommends that you include your name and other contact information in the body of your comment and with any disk or CD-ROM you submit. If EPA cannot read your comment due to technical difficulties and cannot contact you for clarification, EPA may not be able to consider your comment. Electronic files should avoid the use of special characters, any form of encryption, and be free of any defects or viruses.

Docket: All documents in the docket are listed in the docket index available at *http://www.regulations.gov*. Although listed in the index, some information is not publicly available, e.g., CBI or other information whose disclosure is restricted by statute. Certain other material, such as copyrighted material, will be publicly available only in hard copy. Publicly available docket materials are available electronically at *http://www.regulations.gov*, or, if only available in hard copy, at the OPPT Docket. The OPPT Docket is located in the EPA Docket Center (EPA/DC) at Rm. 3334, EPA West Bldg., 1301 Constitution Ave., NW., Washington, DC. The EPA/DC Public Reading Room hours of operation are 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number of the EPA/DC Public Reading Room is (202) 566-1744, and the telephone number for the OPPT Docket is (202) 566-0280. Docket visitors are required to show photographic identification, pass through a metal detector, and sign the EPA visitor log. All visitor bags are processed through an X-ray machine and subject

to search. Visitors will be provided an EPA/DC badge that must be visible at all times in the building and returned upon departure.

FOR FURTHER INFORMATION CONTACT: *For technical information contact*: John D. Walker, TSCA Interagency Testing Committee (7405M), Chemical Control Division, Office of Pollution Prevention and Toxics, Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001; telephone number: (202) 564-7527; fax number: (202) 564-7528; email address: *walker.johnd@epa.gov.*

For general information contact: The TSCA-Hotline, ABVI-Goodwill, 422 South Clinton Ave., Rochester, NY 14620; telephone number: (202) 554-1404; email address: *TSCA-Hotline@epa.gov*.

SUPPLEMENTARY INFORMATION:

I. General Information

A. Does this Action Apply to Me?

This notice is directed to the public in general. It may, however, be of particular interest to you if you manufacture (defined by statute to include import) and/or process TSCA-covered chemicals and you may be identified by the North American Industrial Classification System (NAICS) codes 325 and 32411. Because this notice is directed to the general public and other entities may also be interested, the Agency has not attempted to describe all the specific entities that may be interested in this action.

B. What Should I Consider as I Prepare My Comments for EPA?

1. *Submitting CBI*. Do not submit this information to EPA through regulations.gov or email. Clearly mark the part or all of the information that you claim to be CBI. For CBI information in a disk or CD-ROM that you mail to EPA, mark the

outside of the disk or CD-DOM as CBI and then identify electronically within the disk or CD-ROM the specific information that is claimed as CBI. In addition to one complete version of the comment that includes information claimed as CBI, a copy of the comment that does not contain the information claimed as CBI must be submitted for inclusion in the public docket. Information so marked will not be disclosed except in accordance with procedures set forth in 40 CFR part 2.

2. *Tips for preparing your comments*. When submitting comments, remember to:

i. Identify the document by docket ID number and other identifying information (subject heading, **Federal Register** date and page number).

ii. Follow directions. The Agency may ask you to respond to specific questions or organize comments by referencing a Code of Federal Regulations (CFR) part or section number.

iii. Explain why you agree or disagree; suggest alternatives and substitute language for your requested changes.

iv. Describe any assumptions and provide any technical information and/or data that you used.

v. If you estimate potential costs or burdens, explain how you arrived at your estimate in sufficient detail to allow for it to be reproduced.

vi. Provide specific examples to illustrate your concerns and suggest alternatives.

vii. Explain your views as clearly as possible, avoiding the use of profanity or personal threats.

viii. Make sure to submit your comments by the comment period deadline identified.

II. Background

The Toxic Substances Control Act (TSCA) (15 U.S.C. 260l *et seq*.) authorizes the Administrator of EPA to promulgate regulations under TSCA section 4(a) requiring testing of chemicals and chemical groups in order to develop data relevant to determining the risks that such chemicals and chemical groups may present to health or the environment. Section 4(e) of TSCA established the ITC to recommend chemicals and chemical groups to the Administrator of EPA for priority testing consideration. Section 4(e) of TSCA directs the ITC to revise the TSCA section 4(e) *Priority Testing List* at least every 6 months.

You may access additional information about the ITC at *http://www.epa.gov/oppt/itc.*

A. The 72nd ITC Report

The ITC is revising the TSCA section 4(e) *Priority Testing List* by removing 16 chemicals with insufficient dermal absorption rate data, 98 HPV Challenge Program orphan chemicals, and 50 diisocyanates and related compounds.

B. Status of the TSCA Section 4(e) Priority Testing List

The TSCA section 4(e) *Priority Testing List* includes 2 alkylphenols, 50 HPV Challenge Program orphan chemicals, cadmium, a category of cadmium compounds, 6 non-phthalate plasticizers, 25 phosphate ester flame retardants, 2 other flame retardants, 9 chemicals to which children living near hazardous waste sites may be exposed, and 19 diisocyanates and related compounds.

List of Subjects

Environmental protection, Chemicals, Hazardous substances.

Dated: July 15, 2013.

Wendy C. Hamnett,

Director, Office of Pollution Prevention and Toxics.

Seventy-Second Report of the TSCA Interagency Testing Committee to the Administrator of the Environmental Protection Agency

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Summary

The ITC is revising the Toxic Substances Control Act (TSCA) section 4(e) *Priority Testing List* by removing 16 chemicals with insufficient dermal absorption rate data, 98 High Production Volume (HPV) Challenge Program orphan chemicals, and 50 diisocyanates and related compounds.

The TSCA section 4(e) *Priority Testing List* is Table 1 of this unit.

TABLE 1.--TSCA SECTION 4(e) *PRIORITY TESTING LIST* (MAY 2013)

ITC Report	Date	Chemical Name/Group	Action
37	November 1995	Branched 4-nonylphenol (mixed isomers)	Recommended
41	November 1997	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	Recommended
55	December 2004	49 High Production Volume (HPV) Challenge Program orphan chemicals	Recommended
56	August 2005	1 HPV Challenge Program orphan chemical, naphtha (petroleum), clay-treated light straight-run	Recommended
68	May 2011	Cadmium	Recommended
69	November 2011	Cadmium compounds	Recommended
69	November 2011	6 Non-phthalate plasticizers	Recommended
69	November 2011	25 Phosphate ester flame retardants	Recommended
69	November 2011	2 Other flame retardants	Recommended

69	November 2011	9 Chemicals to which children living near hazardous waste sites may be exposed	Recommended
69	November 2011	19 Diisocyanates and related compounds	Recommended

I. Background

The ITC was established by TSCA section 4(e) "to make recommendations to the Administrator respecting the chemical substances and mixtures to which the Administrator should give priority consideration for the promulgation of rules for testing under section 4(a).... At least every six months ..., the Committee shall make such revisions to the *Priority Testing List* as it determines to be necessary and transmit them to the Administrator together with the Committee's reasons for the revisions" (Public Law 94-469, 90 Stat. 2003 *et seq*., 15 U.S.C. 2601 *et seq*.). ITC reports are available from the ITC's website (*http://www.epa.gov/oppt/itc*) and from regulations.gov (*http://www.regulations.gov*) after publication in the **Federal Register**. The ITC produces its revisions to the TSCA section 4(e) *Priority Testing List* with administrative and technical support from the ITC staff and ITC members. ITC members and staff are listed at the end of this report.

II. ITC's Activities During this Reporting Period (December 2012 to May 2013)

The ITC welcomed a new member and new alternate member from the Department of Commerce's National Institute of Standards and Technology and a new member from the National Science Foundation.

During this reporting period, the ITC discussed the 16 chemicals with insufficient dermal absorption rate data, branched 4-nonylphenol (mixed isomers), phenol, 4-(1,1,3,3-tetramethylbutyl)-, 148 HPV Challenge Program orphan chemicals, cadmium and cadmium compounds, 6 non-phthalate plasticizers, 25 phosphate ester and 2 other flame

retardants, 9 chemicals to which children living near hazardous waste sites may be exposed, and 69 diisocyanates and related compounds remaining on the TSCA section 4(e) *Priority Testing List*. As a result of these discussions, the ITC removed 16 chemicals with insufficient dermal absorption rate data, 98 HPV Challenge Program orphan chemicals, and 50 diisocyanates and related compounds from the TSCA section 4(e) *Priority Testing List.* Orphan chemicals are those HPV chemicals for which no sponsors have volunteered to develop and submit robust summaries of basic hazard and fate testing data to the EPA. The hazard and fate testing data requested by the EPA for HPV Challenge Program orphan chemicals are necessary to establish a screening level understanding of their potential human health and environmental impacts. The chemicals with insufficient dermal absorption rate data, HPV Challenge Program orphan chemicals and diisocyanates and related compounds are discussed further in Unit III. of this 72nd ITC Report.

As noted in this unit, the ITC also discussed the following chemicals that remain on the TSCA section 4(e) *Priority Testing List*: Branched 4-nonylphenol (mixed isomers), phenol, 4-(1,1,3,3-tetramethylbutyl)-, cadmium and cadmium compounds, 6 non-phthalate plasticizers, 25 phosphate ester flame retardants, 2 other flame retardants, and 9 chemicals to which children living near hazardous waste sites may be exposed.

Branched 4-nonylphenol (mixed isomers) (CAS No. 84852-15-3) and phenol, 4-(1,1,3,3-tetramethylbutyl)- (CAS No. 140-66-9) were added to the TSCA section 4(e) *Priority Testing List* in the ITC's 37th and 41st Reports along with numerous other alkylphenols, alkylphenol ethoxylates, and poly alkylphenols (Refs. 1 and 2). The remaining data needed for branched 4-nonylphenol (mixed isomers) and phenol, 4-

(1,1,3,3-tetramethylbutyl)- can be obtained from avian reproduction testing and fish multi-generation testing, respectively. Branched 4-nonylphenol (mixed isomers) and phenol, 4-(1,1,3,3-tetramethylbutyl)- will remain on the TSCA section 4(e) *Priority Testing List* until the avian reproduction testing and fish multi-generation testing is completed or other information becomes available to justify removing them from the TSCA section 4(e) *Priority Testing List*.

Cadmium and cadmium compounds were added to the TSCA section 4(e) *Priority Testing List* in the ITC's 68th and 69th Reports (Refs. 3 and 4). Cadmium and cadmium compounds were included in a TSCA section 8(d) Health and Safety Data Reporting (HaSDR) rule that was published in the **Federal Register** of December 3, 2012 (77 FR 71561) (FRL-9355-9). After receiving adverse comments to the HaSDR rule, EPA published a document withdrawing the HaSDR rule in the **Federal Register** of December 28, 2012 (77 FR 76419) (FRL-9375-3) due to questions and concerns raised about the scope and extent of the HaSDR rule. EPA is considering the questions and concerns raised in response to the HaSDR rule and next steps with regard to that rule.

Six non-phthalate plasticizers, 25 phosphate ester flame retardants, and 2 other flame retardants were added to the TSCA section 4(e) *Priority Testing List* in the ITC's 69th Report (Ref. 4). They were added to obtain existing bio-monitoring data on urinary metabolites that will be used to assess the risks of these chemicals. The 2 other flame retardants, 1,2-benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, 1,2-bis(2-ethylhexyl) ester, a.k.a. bis(2-ethly-1-hexyl) tetrabromophthalate (CAS No. 26040-51-7) and benzoic acid, 2,3,4,5-tetrabromo-, 2-ethylhexyl ester, a.k.a. 2-ethylhexyl-2,3,4,5-tetrabromobenzoate (CAS No. 183658-27-7) are included in the assessment strategy that EPA developed for

brominated phthalates (*http://www.epa.gov/oppt/existingchemicals/pubs/2013wpractivities.html*).

The U.S. Department of the Interior (DOI) and Environment Canada are collaborating on a study involving exposure of American Kestrels (*Falco sparverius*) to 4 of the phosphate ester flame retardants discussed in the ITC's 69th Report (Ref. 4). The 4 phosphate ester flame retardants include: Ethanol, 2-butoxy-, 1,1',1"-phosphate, a.k.a. tri(2-butoxyethyl) phosphate (CAS No. 78-51-3); ethanol, 2-chloro-, phosphate (3:1), a.k.a. tris(2-chloroethyl) phosphate **(**CAS No. 115-96-8); 2-propanol, 1-chloro-, 2,2',2"-phosphate, a.k.a. tris(1-chloro-2-propyl)phosphate (CAS No. 13674-84-5) and 2-propanol, 1,3-dichloro-, phosphate (3:1), a.k.a. tris(1,3-dichloro-2-propyl) phosphate (CAS#: 13674-87-8). The study will provide novel information on uptake kinetics and potential toxicity of priority phosphate ester flame retardants that are currently found in wild bird eggs in North America. One of these phosphate ester flame retardants, ethanol, 2-chloro-, phosphate (3:1), a.k.a. tris(2-chloroethyl) phosphate **(**CAS No. 115-96-8) is included in the risk assessment strategy that EPA is developing for chlorinated phosphate esters (*http://www.epa.gov/oppt/existingchemicals/pubs/2013wpractivities.html*).

Nine chemicals to which children living near hazardous waste sites may be exposed were added to the TSCA section 4(e) *Priority Testing List* in the ITC's 69th Report (Ref. 4). They were added to obtain existing biomonitoring data on blood levels that will be used to fill priority data needs that were identified during the development of ATSDR's Toxicological Profiles. Priority data needs are published in the **Federal Register** and represent a wide variety of needs, including biomonitoring studies to help establish reference values for exposed populations as well as background levels for the

general population (*http://www.atsdr.cdc.gov/pdns/index.asp)*. The 9 chemicals to which children living near hazardous waste sites may be exposed are from the current unfilled priority data needs and any biomonitoring data will be used to conduct public health assessments. The EPA is deliberating options for satisfying the data needs for these 9 chemicals.

III. Chemicals Removed from the TSCA Section (4)(e) *Priority Testing List*

A. Chemicals with Insufficient Dermal Absorption Rate Data

In its 31st, 32nd, and 35th ITC Reports, the Occupational Safety and Health Administration (OSHA) requested that the ITC add 24, 34, and 25 chemicals, respectively, to the TSCA section 4(e) *Priority Testing List* and designate them for testing to develop dermal absorption rate data (Refs. 5, 6, and 7). The ITC removed methyl methacrylate and diethyl phthalate from the TSCA section 4(e) *Priority Testing List* in its 34th ITC Report (Ref. 8) and cyclohexanone from the TSCA section 4(e) *Priority Testing List* in its 36th ITC Report (Ref. 9). Methyl methacrylate, diethyl phthalate, and cyclohexanone were removed from the TSCA section 4(e) *Priority Testing List* because dermal absorption rate data were identified after these chemicals were added to the TSCA section 4(e) *Priority Testing List*. In its 45th ITC Report (Ref. 10), the ITC removed 47 chemicals designated for dermal absorption rate testing from the TSCA section 4(e) *Priority Testing Lis*t, because the EPA published a rule proposing dermal absorption rate testing for these chemicals (Ref. 11). In 2004, the EPA reviewed more recent production volume, exposure, and dermal absorption rate data and promulgated a rule requiring dermal absorption rate testing for 34 of these chemicals (Ref. 12). The rationales for EPA's decision not to finalize testing requirements for the other 13 chemicals in the

proposed rule are described in Ref. 11. In its 59th ITC Report, the ITC removed 16 more chemicals with insufficient dermal absorption rate data from the TSCA section 4(e) *Priority Testing List* (Ref. 13). The ITC removed these 16 chemicals because their production volumes indicated low potential for occupational exposures. In this 72nd ITC Report, the ITC is removing the 16 remaining chemicals with insufficient dermal absorption rate data from the TSCA section 4(e) *Priority Testing List* (Table 2 of this unit). OSHA determined that for these 16 chemicals, information from dermal studies can be readily obtained through the OECD existing chemical database (eChemPortal), the EPA HPV database (High Production Volume Information System (HPVIS) or other authoritative scientific resources (Ref. 14). The ITC is removing these chemicals as a result of OSHA's determination that sufficient information is currently available on the dermal absorption characteristics of these chemicals to warrant their removal from the TSCA section 4(e) *Priority Testing List*.

TABLE 2.-- CHEMICALS WITH INSUFFICIENT DERMAL ABSORPTION RATE DATA BEING REMOVED FROM THE *PRIORITY TESTING LIST*

CAS No.	Chemical Name
75-12-7	Formamide
88-72-2	Benzene, 1-methyl-2-nitro-; *o*-nitrotoluene
89-72-5	Phenol, 2-(1-methylpropyl)-; *o*-sec-butylphenol
90-04-0	Benzenamine, 2-methoxy-; *o*-anisidine
95-13-6	1H-Indene; indene
96-18-4	Propane, 1,2,3-trichloro-; 1,2,3-trichloropropane
99-08-1	Benzene, 1-methyl-3-nitro-; *m*-nitrotoluene
100-63-0	Hydrazine, phenyl-; phenylhydrazine
106-49-0	Benzenamine, 4-methyl-; *p*-toluidine
108-44-1	Benzenamine, 3-methyl-; *m*-toluidine
108-87-2	Cyclohexane, methyl-; methylcyclohexane
121-14-2	Benzene, 1-methyl-2,4-dinitro-; 2,4-dinitrotoluene
287-92-3	Cyclopentane
540-59-0	Ethene, 1,2-dichloro-; 1,2-dichloroethylene
542-92-7	1,3-Cyclopentadiene
626-17-5	1,3-Benzenedicarbonitrile ; 1,3-dicyanobenzene

B. HPV Challenge Program Orphan Chemicals

In 2004, at the EPA's request, the ITC added 281 HPV Challenge Program orphan (unsponsored) chemicals to the TSCA section 4(e) *Priority Testing List* in the ITC's 55th and 56th Reports (Refs. 15 and 16). As of December 2012, 133 HPV Challenge Program orphan chemicals had been removed from the TSCA section 4(e) *Priority Testing List* because they were included in EPA's test rules, the testing was voluntarily sponsored or because they no longer met the ≥ 1 million lb criterion for the HPV Challenge Program. Based on data received from the 2006 IUR rule, and the 2012 CDR rule, EPA identified 98 HPV Challenge Program orphan chemicals with production volumes consistently below 1 million lb. Since these 98 chemicals no longer exceed the 1 million lb criterion for the HPV Challenge Program, EPA is requesting their removal from the TSCA section 4(e) *Priority Testing List* in this 72nd ITC Report (Ref. 17). The 98 HPV Challenge Program orphan chemicals being removed from the TSCA section 4(e) *Priority Testing List* are listed in Table 3 of this unit. The 50 HPV Challenge Program orphan chemicals remaining on the TSCA section 4(e) *Priority Testing List* are listed in Table 4 of this unit.

TABLE 3.--HIGH PRODUCTION VOLUME CHALLENGE PROGRAM ORPHAN CHEMICALS BEING REMOVED FROM THE TSCA SECTION 4(e) *PRIORITY TESTING LIST*

CAS No.	Chemical Name
77-76-9	Propane, 2,2-dimethoxy-
81-07-2	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide
81-84-5	1H,3H-Naphtho[1,8-cd]pyran-1,3-dione
85-40-5	1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-
97-00-7	Benzene, 1-chloro-2,4-dinitro-
101-34-8	9-Octadecenoic acid, 12-(acetyloxy)-, 1,1',1''-(1,2,3-propanetriyl) ester, (9Z,9'Z,9''Z,12R,12'R,12''*R*)-
104-93-8	Benzene, 1-methoxy-4-methyl-
110-33-8	Hexanedioic acid, 1,6-dihexyl ester
111-91-1	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-

118-90-1	Benzoic acid, 2-methyl-
138-25-0	1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester
139-40-2	1,3,5-Triazine-2,4-diamine, 6-chloro-N2,N4-bis(1-methylethyl)-
140-93-2	Carbonodithioic acid, *O*-(1-methylethyl) ester, sodium salt (1:1)
142-73-4	Glycine, *N*-(carboxymethyl)-
330-54-1	Urea, *N*'-(3,4-dichlorophenyl)-*N*,*N*-dimethyl-
513-74-6	Carbamodithioic acid, ammonium salt (1:1)
529-33-9	1-Naphthalenol, 1,2,3,4-tetrahydro-
557-61-9	1-Octacosanol
563-72-4	Ethanedioic acid, calcium salt (1:1)
592-45-0	1,4-Hexadiene
617-94-7	Benzenemethanol, .alpha.,.alpha.-dimethyl-
628-13-7	Pyridine, hydrochloride (1:1)
628-96-6	1,2-Ethanediol, 1,2-dinitrate
645-62-5	2-Hexenal, 2-ethyl-
693-95-8	Thiazole, 4-methyl-
756-80-9	Phosphorodithioic acid, *O*,*O*-dimethyl ester
939-97-9	Benzaldehyde, 4-(1,1-dimethylethyl)-
1000-82-4	Urea, *N*-(hydroxymethyl)-
1002-69-3	Decane, 1-chloro-
1111-78-0	Carbamic acid, ammonium salt (1:1)
1445-45-0	Ethane, 1,1,1-trimethoxy-
1498-51-7	Phosphorodichloridic acid, ethyl ester
1912-24-9	1,3,5-Triazine-2,4-diamine, 6-chloro-N2-ethyl-N4-(1-methylethyl)-
2152-64-9	Benzenamine, 4,4'-[[4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methylene]bis[*N*-phenyl-, hydrochloride (1:1)
2524-03-0	Phosphorochloridothioic acid, *O*,*O*-dimethyl ester
2814-20-2	4(3H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)-
2905-62-6	Benzoyl chloride, 3,5-dichloro-
2915-53-9	2-Butenedioic acid (2Z)-, 1,4-dioctyl ester
3132-99-8	Benzaldehyde, 3-bromo-
3779-63-3	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(6-isocyanatohexyl)-
3965-55-7	1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt (1:1)
4035-89-6	Imidodicarbonic diamide, *N*,*N*',2-tris(6-isocyanatohexyl)-
4316-73-8	Glycine, *N*-methyl-, sodium salt (1:1)
5216-25-1	Benzene, 1-chloro-4-(trichloromethyl)-
5460-09-3	2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, sodium salt (1:1)
5915-41-3	1,3,5-Triazine-2,4-diamine, 6-chloro-N2-(1,1-dimethylethyl)-N4-ethyl-

7795-95-1	1-Octanesulfonyl chloride
10265-69-7	Glycine, *N*-phenyl-, sodium salt (1:1)
13749-94-5	Ethanimidothioic acid, *N*-hydroxy-, methyl ester
13826-35-2	Benzenemethanol, 3-phenoxy-
17321-47-0	Phosphoramidothioic acid, *O*,*O*-dimethyl ester
19438-61-0	1,3-Isobenzofurandione, 5-methyl-
19525-59-8	Glycine, *N*-phenyl-, potassium salt (1:1)
20068-02-4	2-Butenenitrile, 2-methyl-, (2Z)-
20227-53-6	Phosphorous acid, 2-(1,1-dimethylethyl)-4-[1-[3-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-methylethyl]phenyl bis(4-nonylphenyl) ester
25154-38-5	Piperazineethanol
25168-05-2	Benzene, chloromethyl-
25168-06-3	Phenol, (1-methylethyl)-
25383-99-7	Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt (1:1)
26377-29-7	Phosphorodithioic acid, *O*,*O*-dimethyl ester, sodium salt (1:1)
26401-27-4	Phosphorous acid, isooctyl diphenyl ester
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-
30574-97-1	2-Butenenitrile, 2-methyl-, (2E)-
34689-46-8	Phenol, methyl-, sodium salt (1:1)
38185-06-7	Benzenesulfonic acid, 4-chloro-3,5-dinitro-, potassium salt (1:1)
39515-51-0	Benzaldehyde, 3-phenoxy-
40630-63-5	1-Octanesulfonyl fluoride
40876-98-0	Butanedioic acid, 2-oxo-, 1,4-diethyl ester, ion(1-), sodium (1:1)
51632-16-7	Benzene, 1-(bromomethyl)-3-phenoxy-
52663-57-7	Ethanol, 2-butoxy-, sodium salt (1:1)
57693-14-8	Chromate(3-), bis[3-(hydroxy-.kappa.O)-4-[2-[2-(hydroxy-.kappa.*O*)-1-naphthalenyl] diazenyl-.kappa.N1]-7-nitro-1-naphthalenesulfonato(3-)]-, sodium (1:3)
61789-85-3	Sulfonic acids, petroleum
63302-49-8	Phosphorochloridous acid, bis(4-nonylphenyl) ester
64743-02-8	Alkenes, C>10 .alpha.-
64743-03-9	Phenols (petroleum)
65996-83-0	Extracts, coal tar oil alk.
65996-86-3	Extract oils (coal), tar base
65996-87-4	Extract residues (coal), tar oil alk.
68081-86-7	Phenol, nonyl derivs.
68188-18-1	Paraffin oils, chlorosulfonated, saponified
68309-16-0	Fatty acids, tall-oil, 2-(2-hydroxyethoxy)ethyl esters
68608-59-3	Ethane, 1,2-dichloro-, manuf. of, by-products from, distn. lights

68609-05-2	Cyclohexane, oxidized, non-acidic by-products, distn. lights
68815-50-9	Octadecanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol
68915-05-9	Fatty acids, tall-oil, low-boiling, reaction products with ammonia-ethanolamine reaction by-products
68918-16-1	Tar, coal, dried and oxidized
68937-29-1	1,6-Hexanediol, distn. residues
68937-69-9	Carboxylic acids, C6-18 and C5-15-di-
68955-37-3	Acid chlorides, tallow, hydrogenated
68987-41-7	Benzene, ethylenated
68987-66-6	Ethene, hydrated, by-products from
68990-65-8	Fats and Glyceridic oils, vegetable, reclaimed
70851-08-0	Amides, coco, N-[3-(dimethylamino)propyl], alkylation products with sodium 3-chloro-2-hydroxypropanesulfonate
72854-27-4	Tannins, reaction products with sodium bisulfite, sodium polysulfide and sodium sulfite
83864-02-2	Nickel, bis[(cyano-.kappa.*C*)triphenylborato(1-)-kappa.*N*]bis(hexanedinitrile-.kappa.*N*,.kappa.*N*')-
84501-86-0	Hexanedioic acid, esters with high-boiling C6-10-alkene hydroformylation products
90640-86-1	Distillates (coal tar), heavy oils
125997-20-8	Phosphoric acid, mixed 3-bromo-2,2-dimethylpropyl and 2-bromoethyl and 2-chloroethyl esters

TABLE 4.--HIGH PRODUCTION VOLUME PROGRAM ORPHAN CHEMICALS REMAINING ON THE TSCA SECTION 4(e) ***PRIORITY TESTING LIST***

CAS No.	Chemical Name
94-96-2	1,3-Hexanediol, 2-ethyl-
104-66-5	Benzene, 1,1'-[1,2-ethanediylbis(oxy)]bis-
107-39-1	1-Pentene, 2,4,4-trimethyl-
107-40-4	2-Pentene, 2,4,4-trimethyl-
111-85-3	Octane, 1-chloro-
121-82-4	1,3,5-Triazine, hexahydro-1,3,5-trinitro-
137-20-2	Ethanesulfonic acid, 2-[methyl[(9Z)-1-oxo-9-octadecen-1-yl]amino]-, sodium salt (1:1)
529-34-0	1(2H)-Naphthalenone, 3,4-dihydro-
590-19-2	1,2-Butadiene
598-72-1	Propanoic acid, 2-bromo-
1401-55-4	Tannins
1738-25-6	Propanenitrile, 3-(dimethylamino)-
2210-79-9	Oxirane, 2-[(2-methylphenoxy)methyl]-
2372-45-4	1-Butanol, sodium salt (1:1)
2409-55-4	Phenol, 2-(1,1-dimethylethyl)-4-methyl-
2425-54-9	Tetradecane, 1-chloro-

2691-41-0	1,3,5,7-Tetrazocine, octahydro-1,3,5,7-tetranitro-
3039-83-6	Ethenesulfonic acid, sodium salt (1:1)
3386-33-2	Octadecane, 1-chloro-
4170-30-3	2-Butenal
4860-03-1	Hexadecane, 1-chloro-
8001-58-9	Creosote
17103-31-0	Urea, sulfate (2:1)
17976-43-1	2,4,6,8,3,5,7-Benzotetraoxatriplumbacycloundecin-3,5,7-triylidene, 1,9-dihydro-1,9-dioxo-
21351-39-3	Urea, sulfate (1:1)
24794-58-9	Formic acid, compd. with 2,2',2"-nitrilotris[ethanol] (1:1)
26680-54-6	2,5-Furandione, dihydro-3-(octen-1-yl)-
28908-00-1	Benzothiazole, 2-[(chloromethyl)thio]-
38321-18-5	Ethanol, 2-(2-butoxyethoxy)-, sodium salt (1:1)
52184-19-7	Phenol, 2,4-bis(1,1-dimethylpropyl)-6-[2-(2-nitrophenyl)diazenyl]-
56803-37-3	Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester
68187-41-7	Phosphorodithioic acid, *O*,*O*-di-C1-14-alkyl esters
68187-59-7	Coal, anthracite, calcined
68308-74-7	Amides, tall-oil fatty, *N*,*N*-di-Me
68309-27-3	Fatty acids, tall-oil, sulfonated, sodium salts
68441-66-7	Decanoic acid, mixed esters with dipentaerythritol, octanoic acid and valeric acid
68515-89-9	Barium, carbonate nonylphenol complexes
68527-22-0	Naphtha (petroleum), clay-treated light straight-run
68584-25-8	Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine
68602-81-3	Distillates, hydrocarbon resin prodn. higher boiling
68649-42-3	Phosphorodithioic acid, *O*,*O*-di-C1-14-alkyl esters, zinc salts
68650-36-2	Aromatic hydrocarbons, C8, *o*-xylene-lean
68782-97-8	Distillates (petroleum), hydrofined lubricating-oil
68919-17-5	Hydrocarbons, C12-20, catalytic alkylation by-products
68953-80-0	Benzene, mixed with toluene, dealkylation product
68955-76-0	Aromatic hydrocarbons, C9-16, biphenyl deriv.-rich
68990-61-4	Tar, coal, high-temp., high-solids
70084-98-9	Terpenes and Terpenoids, C10-30, distn. residues
71077-05-9	Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine product tower residues
119345-02-7	Benzene, 1,1'-oxybis-, tetrapropylene derivs.

C. Diisocyanates and Related Compounds

At the request of the current EPA member to the ITC, 69 diisocyanates and related compounds were added to the TSCA section 4(e) *Priority Testing List* in the ITC's 69th Report. They were added to obtain numerous data on diisocyanates and related compounds used to formulate a broad class of polyurethane products (e.g., sealants, adhesives, etc.) that are intended to further react upon end-use (Ref. 4). The EPA determined that 50 of these diisocyanates and related compounds were not reported to the EPA's 2006 IUR and 2012 CDR rules. Since these 50 diisocyanates and related compounds were not reported to the EPA's 2006 IUR and 2012 CDR rules, EPA is requesting their removal from the TSCA section 4(e) *Priority Testing List* in this 72nd ITC Report (Ref. 17). The 50 diisocyanates and related compounds being removed from the TSCA section 4(e) *Priority Testing List* are listed in Table 5 of this unit. The 19 diisocyanates and related compounds remaining on the TSCA section 4(e) *Priority Testing List* are listed in Table 6 of this unit.

TABLE 5.--FIFTY DIISOCYANATES AND RELATED COMPOUNDS BEING REMOVED FROM THE TSCA SECTION 4(e) *PRIORITY TESTING LIST*

CAS No.	Chemical Name
104-49-4	Benzene, 1,4-diisocyanato-
123-61-5	Benzene, 1,3-diisocyanato-
139-25-3	Benzene, 1,1'-methylenebis[4-isocyanato-3-methyl-
2422-91-5	Benzene, 1,1',1"-methylidynetris[4-isocyanato-
2536-05-2	Benzene, 1,1'-methylenebis[2-isocyanato-
3634-83-1	Benzene, 1,3-bis(isocyanatomethyl)-
4035-89-6	Imidodicarbonic diamide, *N*,*N*',2-tris(6-isocyanatohexyl)-
4128-73-8	Benzene, 1,1'-oxybis[4-isocyanato-
7517-76-2	Cyclohexane, 1,4-diisocyanato-, trans-
9017-01-0	Benzene, 1,3-diisocyanatomethyl-, homopolymer; TDI homopolymer
9019-85-6	Benzene, 1,3-diisocyanatomethyl-, trimer
10347-54-3	Cyclohexane, 1,4-bis(isocyanatomethyl)-
13622-90-7	Cyclohexane, 1,1'-methylenebis[4-isocyanato-, (trans,trans)-

16325-38-5	Benzene, 1,2,4,5-tetrachloro-3,6-bis(isocyanatomethyl)-
17589-24-1	1,3-Diazetidine-2,4-dione, 1,3-bis[4-[(4-isocyanatophenyl)methyl]phenyl]-
23370-68-5	1,3-Diazetidine-2,4-dione, 1,3-bis[(5-isocyanato-1,3,3-trimethylcyclohexyl)methyl]-
25686-28-6	Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer; MDI homopolymer
25854-16-4	Benzene, bis(isocyanatomethyl)-
26603-40-7	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(3-isocyanatomethylphenyl)-
31107-36-5	1,3-Diazetidin-2-one, 1,3-bis[4-[(4-isocyanatophenyl)methyl]phenyl]-4-[[4-[(4-isocyanatophenyl)methyl]phenyl]imino]-
38661-72-2	Cyclohexane, 1,3-bis(isocyanatomethyl)-
42170-25-2	Cyclohexane, bis(isocyanatomethyl)-
50639-37-7	2H-1,3,5-Oxadiazine-2,4,6(3H,5H)-trione, 3,5-bis(6-isocyanatohexyl)-
50830-59-6	1,3,4-Thiadiazole, 2-isocyanato-5-(trifluoromethyl)-, dimer
51508-06-6	1,3,4-Thiadiazole, 2-(1,1-dimethylethyl)-5-isocyanato-, dimer
53880-05-0	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer; isophorone diisocyanate homopolymer
55525-54-7	Urea, *N*,*N*'-bis[(5-isocyanato-1,3,3-trimethylcyclohexyl)methyl]-
60732-52-7	Carbamic acid, *N*,*N*'-(3-isocyanatomethylphenyl)-, *C*,*C*'-(oxydi-2,1-ethanediyl) ester
65087-21-0	Carbamic acid, *N*-[4-[(4-isocyanatocyclohexyl)methyl]cyclohexyl]-, *C*,*C*'-(oxydi-2,1-ethanediyl) ester
65104-99-6	Imidodicarbonic diamide, 2,2'-[methylenebis(2-chloro-4,1-phenylene)]bis[*N*,*N*'-bis(3-isocyanatomethylphenyl)-
65105-00-2	Carbamic acid, *N*-(3-isocyanatomethylphenyl)-, *C*,*C*'-(1-methyl-1,3-propanediyl) ester
65105-02-4	Carbamic acid, *N*-(3-isocyanatomethylphenyl)-, *C*,*C*'-(1,4-butanediyl) ester
67873-91-0	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris[(5-isocyanato-1,3,3-trimethylcyclohexyl)methyl]-
68083-39-6	Benzenamine, *N*,*N*'-methanetetraylbis[3-isocyanato-2,4,6-tris(1-methylethyl)-
68092-73-9	Carbamic acid, *N*-(3-isocyanatomethylphenyl)-, *C*,*C*'-(1,2-ethanediyl) ester
68092-74-0	Carbamic acid, *N*-(3-isocyanatomethylphenyl)-, *C*,*C*'-[oxybis(1-methyl-2,1-ethanediyl)] ester
68133-14-2	Carbamic acid, *N*-(3-isocyanatomethylphenyl)-, *C*,*C*'-[[[(diethoxyphosphinyl)methyl]imino]di-2,1-ethanediyl] ester

68310-46-3	Hexanoic acid, [[2-ethyl-2-[[[[[5-isocyanato-1(or 5)-(methoxycarbonyl)pentyl]amino]carbonyl]oxy]methyl]-1,3-propanediyl]bis(oxycarbonylimino)]bis[isocyanato-, 1,1'-dimethyl ester
68366-14-3	Carbamic acid, *N*-[5-isocyanato-2(or 4)-methylphenyl]-, *C*,*C*'-(1-methyl-1,3-propanediyl) ester
68555-56-6	1,3-Diazetidine-2,4-dione, 1,3-bis(4-isocyanato-3-methylphenyl)-
68975-84-8	Carbamic acid, *N*-[(5-isocyanato-1,3,3-trimethylcyclohexyl)methyl]-, *C*,*C*'-(oxydi-2,1-ethanediyl) ester
69878-18-8	Hexanoic acid, 2,6-diisocyanato-, 2-isocyanatoethyl ester
70024-76-9	Hexatriacontane, diisocyanato-, branched
70198-24-2	Undecane, 1,6,11-triisocyanato-
71130-76-2	Urea, *N*-(3-isocyanatomethylphenyl)-*N*'-[[[4-[[[(3-isocyanatomethylphenyl)amino]carbonyl]amino]phenyl]methyl]phenyl]-
71832-70-7	Carbamic acid, *N*-[4-[(4-isocyanatophenyl)methyl]phenyl]-, *C*,*C*'-(oxydi-2,1-ethanediyl) ester
75790-84-0	Benzene, 2-isocyanato-4-[(4-isocyanatophenyl)methyl]-1-methyl-
75790-87-3	Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)thio]-
85702-90-5	2,9,11,13-Tetraazanonadecanethioic acid, 19-isocyanato-11-(6-isocyanatohexyl)-10,12-dioxo-, *S*-[3-(trimethoxysilyl)propyl] ester
106790-31-2	Benzenamine, 4-isocyanato-*N*,*N*-bis(4-isocyanatophenyl)-2,5-dimethoxy-

TABLE 6.--NINETEEN DIISOCYANATES AND RELATED COMPOUNDS REMAINING ON THE TSCA SECTION 4(e) *PRIORITY TESTING LIST*

CAS No.	Chemical Name
91-08-7	Benzene, 1,3-diisocyanato-2-methyl-
91-97-4	1,1'-Biphenyl, 4,4'-diisocyanato-3,3'-dimethyl-
101-68-8	Benzene, 1,1'-methylenebis[4-isocyanato-
584-84-9	Benzene, 2,4-diisocyanato-1-methyl-
822-06-0	Hexane, 1,6-diisocyanato-
2778-42-9	Benzene, 1,3-bis(1-isocyanato-1-methylethyl)-
3173-72-6	Naphthalene, 1,5-diisocyanato-
3779-63-3	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(6-isocyanatohexyl)-
4098-71-9	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-
5124-30-1	Cyclohexane, 1,1'-methylenebis[4-isocyanato-
5873-54-1	Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]-
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester
15646-96-5	Hexane, 1,6-diisocyanato-2,4,4-trimethyl-
16938-22-0	Hexane, 1,6-diisocyanato-2,2,4-trimethyl-
26447-40-5	Benzene, 1,1'-methylenebis[isocyanato-

26471-62-5	Benzene, 1,3-diisocyanatomethyl-
26747-90-0	1,3-Diazetidine-2,4-dione, 1,3-bis(3-isocyanatomethylphenyl)-
28182-81-2	Hexane, 1,6-diisocyanato-, homopolymer; HDI homopolymer
68239-06-5	Cyclohexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentyl-

IV. References

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2. ITC. Forty-First Report of the ITC; Notice. **Federal Register** (63 FR 17658, April 9, 1998) (FRL-5773-5). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

3. ITC. Sixty-Eighth Report of the ITC; Notice. **Federal Register** (76 FR 46174, August 1, 2011) (FRL-8879-3). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

4. ITC. Sixty-Ninth Report of the ITC; Notice. **Federal Register** (77 FR 30856, May 23, 2012) (FRL-9346-3). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

5. ITC. Thirty-First Report of the ITC; Notice. **Federal Register** (58 FR 26898, May 5, 1993) (FRL-4583-4). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

6. ITC. Thirty-Second Report of the ITC; Notice. **Federal Register** (58 FR 38490, July 16, 1993) (FRL-4630-2). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

7. ITC. Thirty-Fifth Report of the ITC; Notice. **Federal Register** (59 FR 67596, December 29, 1994) (FRL-4923-2). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

8. ITC. Thirty-Fourth Report of the ITC; Notice. **Federal Register** (59 FR 35720, July 13, 1994) (FRL-4870-4). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

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11. EPA. Proposed Test Rule for In Vitro Dermal Absorption Rate Testing of Certain Chemicals of Interest to Occupational Safety and Health Administration; Proposed Rule. **Federal Register** (64 FR 31074, June 9, 1999) (FRL-5760-3). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

12. EPA. In Vitro Dermal Absorption Rate Testing of Certain Chemicals of Interest to the Occupational Safety and Health Administration; Final Rule. **Federal Register** (69 FR 22402, April 26, 2004) (FRL-7312-2). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

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14. OSHA. Letter to Dr. John D. Walker, re: OSHA's comments for removal of 16 chemicals on the TSCA Section 4(e) *Priority Testing List*. April 10, 2013. Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

15. ITC. Fifty-Fifth Report of the ITC; Notice. **Federal Register** (70 FR 7364, February 11, 2005) (FRL-7692-1). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

16. ITC. Fifty-Sixth Report of the ITC; Notice. **Federal Register** (70 FR 61520, October 24, 2005) (FRL-7739-9). Available at www.regulations.gov. Docket ID number EPA-HQ-OPPT-2013-0248.

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V. The TSCA Interagency Testing Committee

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Department of Commerce

National Institute of Standards and Technology
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Jessica Reliner, Alternate

Environmental Protection Agency
Robert W. Jones, Member
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National Institute of Environmental Health Sciences
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Tyrone D. Mitchell, Member

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Agency for Toxic Substances and Disease Registry
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