

CEPN 3rd Round Priority Chemicals *Stakeholder Consultation Input Form*

CEPN is in the process of selecting the 3rd Round of [Priority Chemicals](#) and is seeking input from interested stakeholders on the proposed list of Priority Chemicals, Watch/Candidate Chemicals and Legacy/Archive Chemicals for this 3rd Round.

The selection process starts with a list of nominated chemicals identified from CEPN member company Manufacturing Restricted Substances Lists (MRSLs) and other [publicly available MRSLs](#), aggregated and anonymized data from CEPN's Process Chemical Data Collection Tool, as well as nominations solicited from stakeholders. These nominated chemicals then undergo a thorough evaluation and screening for high hazard, use as a process chemical, inherent potential for worker exposure and availability of viable safer alternatives. The chemicals that made it through the screening were then assessed by CEPN's Technical Review Board (TRB). The TRB met 4 times during the fall 2025 and provided the Round 3 recommendations outlined below for:

- **10 Priority Chemicals** – Process chemicals to be prioritized for elimination or substitution in electronics manufacturing and serve as an MRSL (Note: The [RBA's Industry Focus Process Chemicals \(IFPC\) List](#) is built from CEPN's Priority Chemical Rounds)
- **18 Watch/Candidate Chemicals** – High-hazard process chemicals that should be monitored and considered for Priority Chemicals in a future round if new relevant data emerges about their use and/or safer alternatives, sending a clear signal to chemical formulators and electronics companies to accelerate development and uptake of safer alternatives
- **4 Legacy/Archive Chemicals** – High-hazard chemicals that were nominated but are not currently used as process chemicals in the electronics industry and are listed to prevent their (re)introduction into supply chains

The next step in the process is this stakeholder consultation process to collect feedback on these recommendations.

Please provide comments by March 9th, submitting this form to info@cleanelectronicsproduction.org.

Name of Submitter:

Organization: |

Priority Chemicals

Priority Chemicals are defined as process chemicals to be prioritized for elimination or substitution in electronics manufacturing and serve as an MRSL. Priority Chemicals for Round 3 meet the following criteria:

- Used within the selected focus area(s) (solvent in electronics manufacturing)
- Meets CEPN High Hazard Criteria (see Attachment)
- Some indication of current use as a process chemical, or evidence of historical use, within the electronics industry
- Some indication of potentially viable safer alternatives available

Round 3 Proposed Priority Chemicals

1. 1,1,2-Trichloroethane (79-00-5)
2. 1,1-Dichloroethane (75-34-3)
3. 1,1-Dichloroethylene (75-35-4)
4. 1,2-Dichloropropane (78-87-5)
5. 1-Ethylpyrrolidin-2-one; NEP (2687-91-4)
6. 2-(2-Methoxyethoxy)ethanol (DEGME) (111-77-3)
7. 2-Methoxyethyl acetate; Ethylene glycol monomethyl ether acetate (110-49-6)
8. Hydrotreated light straight run (petroleum) (64742-49-0)
9. Ligroine (petroleum naphtha) (8032-32-4)
10. N,N-Dimethylacetamide (DMAC) (127-19-5)

Comments

Watch/Candidate Chemicals

Watch/Candidate Chemicals are defined as high-hazard process chemicals that should be monitored and considered for Priority Chemicals in a future round if new relevant data emerges about their use and/or safer alternatives, sending a clear signal to chemical formulators and electronics companies to accelerate development and uptake of safer alternatives. Watch/Candidate Chemicals for Round 3 meet the following criteria:

- Used within the selected focus area (solvent in electronics manufacturing)
- Meets CEPN High Hazard Criteria (see Attachment)
- Insufficient information on use and/or availability of safer alternatives for definitive selection
- Without potentially viable safer alternatives

Chemicals on this list may transition to Priority Chemicals in the future if sufficient data supports their prioritization for phase-out.

Round 3 Proposed Watch/Candidate Chemicals

More Information Needed about Viable Safer Alternatives, Use, and/or Hazard

1. 2-Butanone oxime; Methyl Ethyl Ketoxime (96-29-7)
2. Decamethylcyclopentasiloxane (D5) (541-02-6)
3. Hydrocarbons, C3-4-rich, petroleum distillates (68512-91-4)
4. o-Xylene (95-47-6)
5. Pyridine (110-86-1)
6. Ethylene glycol (107-21-1)

Petroleum Distillates with Lower Exposure Potential

7. Aromatic naphtha, type 1 (High solvent naphtha) (64742-95-6)
8. C13-14 Isoparaffin; hydrotreated light petroleum distillates (64742-47-8)
9. Distillates (petroleum), hydrotreated (mild) light naphthenic (9Cl) (64742-53-6)
10. Hydrodesulfurized heavy naphtha (64742-82-1)
11. Naphtha, petroleum, hydrotreated heavy (C9-11 alkane/cycloalkane) (64742-48-9)
12. Stoddard solvent (8052-41-3)

Chemicals Without Clear Indication of Use in Electronics Manufacturing

13. Bis (chloromethyl) ether (542-88-1)
 14. Bromodichloromethane (75-27-4)
 15. Bromoethane; Ethyl bromide (74-96-4)
 16. Chloroethane (75-00-3)
 17. Hexachloroethane (67-72-1)
 18. Trichlorobenzene (120-82-1)
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Comments

Legacy/Archive Chemicals

Legacy/Archive Chemicals are defined as high-hazard chemicals that were nominated but are not currently used as process chemicals in the electronics industry and are listed to prevent their (re)introduction into supply chains. Watch/Candidate Chemicals for Round 3 meet the following criteria:

- Used within the selected focus area (solvent in electronics manufacturing)
- Meets CEPN High Hazard Criteria (see Attachment)
- No indication of current use as a process chemical within the electronics industry
- Indication that chemical is being, or has been, phased out globally as a process chemical

Round 3 Proposed Legacy/Archive Chemicals

1. 1,1,1-Trichloroethane; TCA; Methyl chloroform (71-55-6)
2. 2-Bromopropane (75-26-3)
3. Hexachlorobutadiene; HCBd (87-68-3)
4. Tetrachloromethane; Carbon Tetrachloride (56-23-5)

Comments

Attachment - CEPN's High Hazard Criteria

| CEPN's High Hazard Criteria | A chemical is considered High Hazard if <i>any one or more</i> of the following are met: |
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| California Proposition 65 | |
| GreenScreen | LT-1 or BM-1 * |
| GHS Health Hazard End Point | Harmonized GHS Category |
| Acute toxicity (oral, dermal, gases, vapours, dust and mist) | 1, 2 or 3 |
| Respiratory or skin sensitization | 1A |
| Germ cell mutagenicity | 1A or 1B |
| Carcinogenicity | 1A or 1B |
| Reproductive Toxicity | 1A or 1B |
| Specific target organ toxicity (STOT) single dose | 1 |
| Specific target organ toxicity (STOT) repeated dose | 1 |
| ChemFORWARD Hazard Band | F * |
| <p><i>* GreenScreen LT-1 or BM-1 and ChemFORWARD Hazard Band F ratings will be excluded if those rankings are based solely on ecotoxicity hazards.</i></p> | |