

Taropwen Pungun Masowen Organic Kena Mi Mecheres Pwasenon (VOCs)



REN CHON NOM NON MAUI KENA RA NGAWENO SENI KAARNGAWENO KENA

Meta ekkei Masowen Organic Kena Mi Mecheres Pwasenon (VOCs)?

VOCs ra kan chemical kena ra kan mecheres ne pwaseno non asepan. Awewen ren iteiten VOCs kena mi pachenong benzene, toluene, trichloroethylene (TCE), me pwan perchloroethylene (TCE). VOCs kena ra kan iteiten eaea non mettoch kena ren chon kamo (awewe, plastic kena, peinit kena, pisekin nimenim kena, mecheres ne pach ngeni kena) me pwan a tongeni katowow seni mettochun non imw kena (awewe, carpet, linoleum, mettochun nofitfengenin ira kena, insulation). Ir ra kan pwan tongeni katowow ngeni non ewe nenien nom non etiet seni kaarengaweno kena, kaaren imw kena, me pwan kaarenon ira, oil, ika gas.

VOCs kena non Konikin Wuun Murin Kaarengaweno kena

VOC monungaweno epwene fis nupwen kaarengaweno kena ra ngaw ngeni ewe nenien katowowun konik (awewe, pipe kena, valve kena, meter kena), me pwen ekkewe chemical ra kan nechunong non ewe systemin konikin wuun. Systemin konikin wuun non California ra kan pwano pwe ra kan monungaweno seni tekianapenon wukukun VOCs kena murin kaarengaweno kena non 2017 me pwan 2018. Nupwen wenewenen popun kena rese kan sinei, monungawenon murin kaarengaweno epwene fichino pokiten ren:



Kaarenon ren polyvinyl chloride (PVC), fakkun napenon ren polyethylene (HDPE) ika pwan ekkoch mettochun plastic kena nupwen ra pwano ngeni kaar.



Koturutiwen non pressurun konik pokiten ren tanon lainin konik kena ika napenon eaea konik, ikewe etiet, kaaren gas kena, me/ika chemical kena (awewe, VOCs kena) ra kan kusunong non ewe lainin konik.

Monungaweno epwene fis nge ika mo pwe ese wor pwanon katano; iwe ina chekin awukukun sosotun konik ra kan ekkewe chok sakkun ren ar repwe wenechar ne finata atekianapenon wukukun ren VOCs kena.

Tumunun awukukun kena ren VOCs

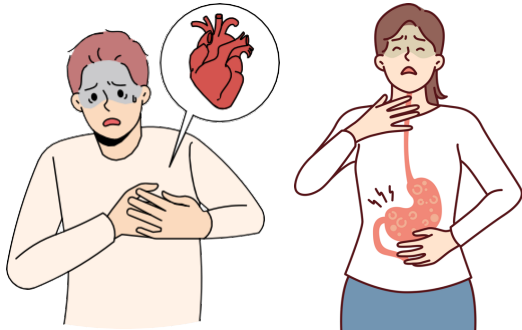
Ewe US Environmental Protection Agency (EPA) a forata awukukun tumunun konikin wuun ren VOCs kena non konik

Chemical	US EPA Tekianapen Wukukun Monungaw (pekin non ew billion)*
Benzene	5
Carbon tetrachloride	5
p-dichlorobenzene	75
Trichloroethylene	5
Vinyl chloride	2
1,1,1-trichloroethane	200
1,1-dichloroethylene	7
1,2-dichloroethane	5
cis-1,2-dichloroethylene	70
Ethylbenzene	700
Chlorobenzene	100
o-dichlorobenzene	600

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Tumunun awukukun kena ren VOCs

VOCs & Pechakun

Nupwen sia anongonong won ewe wenewenen chemical, mi wor ngawen kena ren fichin noninengin semwen kena mi fittingeni pwano ngeni VOC:

- **Napenin Ngawen ren:** mwuus, mewingawen non wuupwen, mwani, amowuruno, chechecheno, me pwan mutirin pichin foun ngasangasen.
- **Nongetamenon:** anemia, cancer, ngawen neurological kena, ngawenon pekin nounou, me pwan ngawenon amaritan kena.

Nenien aninis kena

- [Monungawenon Systemin Katowowun Konikin Wuun kena \(epa.gov\)](https://www.epa.gov/monungawenon-systemin-katowowun-konikin-wuun-kena)
- [Mecheresin Pwasenon Masowen organic kena | Ateteninon Chemical kena | Kinikinin Monungawen Mettoch | ATSDR \(cdc.gov\)](https://www.cdc.gov/atsdr/toxics/chemicals/organic-chemicals-ateteninon-chemical-kena-kinikinin-monungawen-mettoch)
- [EPA Annukun Aewin Konikin Wuun NonUnusen Fonu](https://www.epa.gov/annukun-aewin-konikin-wuun-nonunusen-fonu)
- Monungawenon konikin wuun seni ewe ngawenon ren plastic kena: a kan etto seni kaarengaweno me pwan ponu ngeni kaaren neni kena. Isaacson KP, Proctor CR, Wang QE, Edwards EY, Noh Y, Shah AD, and Whelton AJ, Environmental Science: Water Research and Technology, 2021, 7, 274-284, <https://doi.org/10.1039/d0ew00836b>

Chemical	US EPA Tekianapen Wukukun Monungaw (pekin non ew billion)*
Styrene	100
Tetrachloroethylene	5
Toluene	1,000
Trans-1,2-Dichloroethylene	100
Xylenes	10,000
1,2-dichloropropane	5
Dichloromethane	5
1,1,2-trichloroethane	5
1,2,4-trichlorobenzene	70

*Tekianapen Awukukun Monungawen (MCL): awukukun tekianapen ren ew monungaw ina a kan mumuta non konikin wuun

KAPASEIS KENA?

Hawai'i Poison Control Center: 1-800-222-1222
health.hawaii.gov/mauiwildfires

KOSE MOCHEN TAPWEI MEINISIN AFANEFAN KENA SENI CHON NEMENEMEN NON NENIEOM KENA.

