

- Selection Guide:
- ✓ Recommended, lab or field data available demonstrating success
 - Recommended, no available lab or field data
 - ∅ Not recommended

▼ Contaminant	Activator ►	Klozur® One and Fe-Chelate	Alkaline	Hydrogen Peroxide	Heat
CHLORINATED SOLVENTS					
Tetrachloroethene (PCE)		✓	✓	✓	✓
Trichloroethene (TCE)		✓	✓	✓	✓
Dichloroethene (<i>cis</i> and <i>trans</i> DCE)		✓	✓	✓	✓
Trichloroethane (TCA)		∅	✓	✓	✓
Dichloroethane (DCA)		∅	✓	▪	✓
Carbon tetrachloride		∅	✓	✓	✓
Chloroethane		∅	▪	▪	✓
Chloroform		∅	✓	✓	✓
Chloromethane		∅	▪	▪	✓
Chlorotoluene		▪	▪	▪	✓
Methylene chloride		∅	✓	✓	✓
Vinyl chloride		∅	✓	✓	✓
Dichloropropane		∅	▪	▪	✓
Dichloropropene		∅	▪	▪	✓
Hexachlorobutadiene		∅	▪	▪	✓
Tetrachloroethane		∅	▪	✓	▪
Trichloropropane		∅	▪	▪	✓
BTEX					
Benzene		✓	✓	✓	✓
Toluene		✓	✓	✓	✓
Ethylbenzene		✓	✓	✓	✓
Xylenes		✓	✓	✓	✓

- Selection Guide:
- ✓ Recommended, lab or field data available demonstrating success
 - Recommended, no available lab or field data
 - ∅ Not recommended

▼ Contaminant	Activator ►	Klozur® One and Fe-Chelate	Alkaline	Hydrogen Peroxide	Heat
PAHS					
Acenaphthene		✓	✓	▪	✓
Acenaphthylene		✓	✓	▪	✓
Anthracene		▪	✓	▪	▪
Benzo(a)anthracene		▪	✓	▪	▪
Benzo(a)pyrene		▪	✓	▪	▪
Benzo(b)fluoranthene		▪	✓	▪	▪
Benzo(ghi)perylene		▪	✓	▪	▪
Bis(2-ethylhexyl)phthalate		▪	✓	▪	▪
n-butylbenzene		✓	▪	▪	✓
Chrysene		▪	✓	▪	▪
Dibenzo(ah)anthracene		▪	✓	▪	▪
Fluorene		✓	✓	▪	✓
Naphthalene		✓	✓	▪	✓
Nitrobenzene		∅	∅	✓	✓
Phenathrene		✓	✓	✓	✓
Propylbenzene		✓	✓	✓	✓
4-iso-propyltoluene		✓	✓	✓	✓
Pyrene		▪	✓	▪	▪
Styrene		✓	✓	✓	✓
Trimethylbenzene		✓	✓	✓	✓
OXYGENATES					
Methyl tert-butyl ether (MTBE)		✓	✓	✓	✓
Tert-butyl alcohol (TBA)		✓	✓	✓	✓
PETROLEUM HYDROCARBONS					
GRO (octane)		∅	✓	✓	▪
DRO (dodecane)		∅	✓	✓	▪
ORO (C20 alkane)		∅	✓	✓	▪
Creosote (coal tar)		✓	✓	▪	▪

- Selection Guide:
- ✓ Recommended, lab or field data available demonstrating success
 - Recommended, no available lab or field data
 - ∅ Not recommended

▼ Contaminant	Activator ►	Klozur® One and Fe-Chelate	Alkaline	Hydrogen Peroxide	Heat
CHLOROBENZENES					
Chlorobenzene		✓	✓	▪	✓
Dichlorobenzene		✓	✓	▪	✓
Trichlorobenzene		∅	✓	▪	✓
PHENOLS					
Phenol		▪	▪	▪	✓
4-chloro-3-methyl phenol		▪	▪	▪	✓
2-chlorophenol		▪	▪	▪	✓
2,4-dichlorophenol		▪	▪	▪	✓
2,4-dinitrophenol		▪	▪	▪	✓
4-nitrophenol		▪	▪	▪	✓
Pentachlorophenol		▪	▪	▪	✓
FLUORINATED COMPOUNDS					
Dichlorodifluoromethane (Freon 12)		∅	✓	▪	✓
Trichlorofluoromethane (Freon 11)		∅	✓	▪	✓
Trichlorotrifluoroethane (Freon 113)		∅	✓	▪	✓
PFCA/PFOA		▪	∅	∅	✓
PESTICIDES/HERBICIDES					
α-Chlordane		∅	✓	▪	✓
DDD		∅	✓	▪	✓
DDE		∅	✓	▪	✓
DDT		∅	✓	▪	✓
Heptachlor Epoxide		∅	✓	▪	✓
Lindane (hexachlorocyclohexane)		✓	✓	✓	✓
Bromoxynil		▪	▪	✓	▪
MCPA		▪	▪	✓	▪

- Selection Guide:
- ✓ Recommended, lab or field data available demonstrating success
 - Recommended, no available lab or field data
 - ∅ Not recommended

▼ Contaminant	Activator ►	Klozur® One and Fe-Chelate	Alkaline	Hydrogen Peroxide	Heat
MISCELLANEOUS					
Acetone		▪	✓	✓	✓
4-methyl-2-pentanone		✓	▪	▪	✓
1,4-dioxane		✓	✓	✓	✓
BCEE		∅	✓	✓	✓
BCEM		∅	✓	✓	✓
Perchlorate		∅	∅	∅	∅
Polychlorinated biphenyls (PCBs)		∅	✓	▪	✓
Aniline		✓	▪	▪	▪
Chloroaniline		✓	▪	▪	▪
TNT		✓	✓	▪	✓
DNT		✓	✓	▪	✓

The Klozur Activator Selection Guide is for guidance only regarding which contaminants can be treated by PeroxyChem’s patented activation methods. It is recommended that a suitable treatability study be performed to verify applicability to your specific contaminant and site conditions. For more information and to discuss which Klozur product and activation method would be best suited to your site, please contact your local PeroxyChem Technical Sales Manager.

1. A limited use license is included with the purchase of Klozur Persulfate for PeroxyChem’s suite of national and international patents for the *in situ* activation of persulfate to remediate environmental contaminants of concern including, but not limited to US 6019548, US 6474908, US 7524141, US 7576254B2, and US 7785038.

Klozur is a registered trademark of PeroxyChem. © 2017 15-03-ESD-17 The information contained herein is presented to the best of our knowledge, PeroxyChem makes no representations or warranties regarding the accuracy, quality, or reliability of this information and shall under no circumstances be liable with respect to such information.