



CANDIDATE LIST OF SUBSTANCES OF VERY HIGH CONCERN

Cleveland Black Oxide certifies that the chemistry used in our Black Oxide Process does not contain any of the following 15 substances:

| Substance Identification | EC Number (CAS No.) | Basis for Identification as a SVHC |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Triethyl arsenate | 427-700-2 | Carcinogenic |
| Anthracene | 204-371-1 | Persistent, bioaccumulative and toxic |
| 4,4'-Diaminodiphenylmethane (MDA) | 202-974-4 | Carcinogenic |
| Dibutyl phthalate (DBP) | 201-557-4 | Toxic to reproduction |
| Cobalt dichloride | 231-589-4 | Carcinogenic |
| Diarsenic pentaoxide | 215-116-9 | Carcinogenic |
| Diarsenic trioxide | 215-481-4 | Carcinogenic |
| Sodium dichromate | 234-190-3 (7789-12-0) (10588-01-9) | Carcinogenic, mutagen, toxic to reproduction |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 201-329-4 | Very persistent and very bioaccumulative |
| Bis (2-ethylhexyl)phthalate (DEHP) | 204-211-0 | Toxic to reproduction |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-Hexabromocyclododecane Beta-Hexabromocyclododecane Gamma-Hexabromocyclododecane | 247-148-4 and 221-695-9 (134237-50-6) (134237-51-7) (134237-52-8) | Persistent, bioaccumulative and toxic |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 287-476-5 | Persistent, bioaccumulative and toxic. Very persistent and very bioaccumulative |
| Bis(tributyltin)oxide (TBTO) | (200-268-0) | Persistent, bioaccumulative and toxic |
| Lead hydrogen arsenate | 232-064-2 | Carcinogenic, toxic to reproduction |
| Benzyl butyl phthalate (BBP) | (201-622-7) | Toxic to reproduction |