JSF Banned and Restricted Materials

Banned Materials

Materials in the following table are banned from use in design, operation, repair, maintenance, storage, transportation, or disposal for *any* JSF part or equipment.

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| Materials | CAS Number |
| Asbestos | 1332-21-4 |
| Amosite (asbestos) | 12172-73-5 |
| Actinolite (asbestos) | 77536-66-4 |
| Anthophyllite (asbestos) | 77536-66-4 |
| Chrysotile (asbestos) | 12001-29-5 |
| Crocidolite (asbestos) | 12001-28-4 |
| Tremolite (asbestos) | 77536-68-6 |
| 2,4-Dichlorophenoxyacetic Acid | 94-75-7 |
| 2,4,5-Trichlorophenoxyacetic Acid | 93-76-5 |
| Iron Carbonyl(3) | 13463-40-6 |
| 4,4-Methylenedianiline (MDA) | 101-77-9 |
| Nickel Carbonyl(3) | 13463-39-3 |
| Pentachlorophenol | 87-86-5 |
| Picric Acid (2,4,6-Trinitrophenol) | 88-89-1 |
| Polychlorinated Biphenyls (PCB) | 1336-36-3 |
| Tetrachloromethane | 56-23-5 |
| 1,1,1-Trichloroethane (TCA) | 71-55-6 |
| Trichloroethylene (TCE) | 79-01-6 |
| Class 1 Ozone Depleting Compounds (2) |  |

*Note 1: Included in CFI Appendix G*

*Note 2: Consists of fully halogenated chlorofluorocarbons (CFCs), halons and methyl chloroform*

*Note 3: Applies to liquid carbonyl forms.*

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| Material | CAS Number |
| Anhydrous Ammonia | 7664-41-7 |
| Benzene | 71-43-2 |
| Beryllium and Compounds (2) | 7440-41-7 |
| Cadmium and Compounds | 7440-43-9 |
| Chromium and Compounds (3) | 7440-47-3 |
| Chlorine Gas | 7782-50-5 |
| Depleted Uranium |  |
| Formaldehyde (methylene glycol) | 50-00-0 |
| Hydrazine | 302-01-2 |
| >70% Hydrofluoric Acid | 7664-39-3 |
| Inorganic Cyanide | 57-12-5 |
| Lead Compounds (4) | 7439-92-1 |
| Methyl Ethyl Ketone (MEK) | 78-93-3 |
| Mercury (attrit) | 7439-97-6 |
| Methanol | 67-56-1 |
| Methylene Chloride | 75-09-2 |
| Methyl Isobutyl Ketone (MIBK) | 108-10-1 |
| Nickel and Compounds (3) | 7440-02-0 |
| Perchloroethylene (tetrachloroethylene) | 127-18-4 |
| Nitric Acid | 7697-37-2 |
| Phenol | 108-95-2 |
| Sulfur Dioxide Gas | 7446-09-5 |
| Toluene | 108-88-3 |
| Toluene Diisosocyanate | 584-84-9 |
| Xylene | 1330-20-7 |
| o-Xylene | 95-47-6 |
| m-Xylene | 108-38-3 |
| p-Xylene | 106-42-3 |
| Corrosive Materials (6) |  |
| Oxidizers (6) |  |
| Radioactive Materials (6) |  |
| Explosive Materials (6) |  |
| Class II Ozone Depleting Compounds (5) |  |

*Note 1: Included in CFI Appendix L*

*Note 2: Except in alloy form with less than 5% Beryllium.*

*Note 3: Except in alloy form.*

*Note 4: Except in solder.*

*Note 5: Consists of all hydrochlorofluorocarbons (HCFCs). Restricted from delivery in a product or use in maintenance of a product.*

*Note 6: Due to Department of Transportation Restrictions (use definitions in 49 CFR 173)*