Atmus Filtration Technologies
Engineering Standard

Name	SUBSTANCES, PROHIBITED AND RESTRICTED	Filtration Engineering Standard Number
Identifier	TECHNICAL COMPLIANCE PRACTICE (SOURCE CONTROL)	FES 1801

Abstract

This practice describes Atmus Filtration Technologies' requirements for prohibited and restricted substances.

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1. Scope

This practice covers prohibited and restricted substances on or in supplies provided to and/or provided by Atmus Filtration Technologies. This standard describes the current policies, regulations and directives which restrict the use of hazardous substances. The requirements apply to all materials, components, items, and associated packaging purchased by Atmus Filtration Technologies and to all Atmus Filtration Technologies Products.

2. Applicable Documents

Applicable documents or resources listed below may be obtained from the respective organization's website.

a. Global Automotive Declarable Substance List (GADSL) Guidance Document (2016), Revised Feb 2018
https://www.gadsl.org/wp-content/uploads/2022/08/GADSL-Guidance-Document.pdf

b. Substances restricted under REACH (Annex XVII to REACH)
REACH (Registration, Evaluation, Authorization and Restriction of Chemicals)
https://echa.europa.eu/substances-restricted-under-reach

c. RoHS (Restriction of Hazardous Substances) Restricted Substances:
https://www.rohsguide.com/rohs-substances.htm

d. Toxic Substances Control Act (TSCA) Chemical Substance Inventory List:
https://www.epa.gov/tsca-inventory

3. Definitions

Terms used in this standard that have a general definition for usage in Atmus Filtration Technologies' Engineering Standards are defined in FES 1904, Engineering Standard Work (ESW) Definitions.

3.1. Prohibited List Substance

A prohibited list substance is a substance that is not permitted to be present in any items as an intentional addition and is not permitted to be present in any items as a residual above a threshold value. (See Appendix A: Prohibited List Substances.)

3.2. Declarable List Substance

A declarable list substance is a substance that is restricted and/or prohibited by one or more regulations. Declarable list substances cannot be used without documented prior approval from Atmus Filtration Technologies for use of the specific substance in the specific item.

3.3. FMD – Full Materials Declaration

A full materials declaration provides the % weight of each individual material in the part and the % weight of each substance which is intentionally added to each material. All materials on the declarable list must be declared. Content of undeclared materials that are not in the declarable list, may not exceed 10%.

4. Practice

4.1. General Requirements

All materials, items, and components shall conform to the laws, regulations, prohibitions, and restrictions on content applicable to their application(s), places of origin/manufacture, transit paths, places of sale, and places of use. Supplies include but are not limited to: materials, components, parts, items, preservatives, packaging, wraps, plugs, oils, greases, coatings, coolants, paints, markings, labels, preservatives/corrosion inhibitors and any other substance associated with the item, component, and/or substance. This standard will supplement but does not supersede the responsibility of each supplier to comply with the laws and regulations and marking requirements applicable in the regions in which the products are sold.

Suppliers' data will be used as part of proof of legal compliance. Atmus Filtration Technologies requires suppliers to declare the content of all substances present where the substance is present at or above the defined threshold value (weight percentages) in any homogenous layer or feature of the material or component and/or the substance is present as an intentional addition. The content of both intentional and unintentional additions must be declared. Where substances are listed in this standard with lower threshold contents, suppliers are additionally required to declare and report the content of those substances.

As an obligation of supplying Atmus Filtration Technologies and in accordance with the Atmus Filtration Technologies' Supplier Code of Conduct, commercial agreements, and purchase orders, suppliers must provide disclosure of the substances contained within the supplies sold to Atmus Filtration Technologies on an ongoing basis. Certain substances are prohibited from being used in certain applications and markets. The supplier shall declare content of any of these substances present in preproduction and production materials and items to Atmus Filtration Technologies for review and disposition prior to sending the material/items containing the listed substances to Atmus Filtration Technologies. The supplier shall provide item-specific declarations upon proposed material changes to the item (prior to any implementation), upon regulation changes, upon substance list changes, and on Atmus' request. The supplier shall obtain the applicable written approvals/exemptions for authorized use of listed substances prior to source release of pre-production parts and prior to PPAP of new/revised parts.

Relevant regulatory requirements, guidance documents and resources provided by regional regulatory agencies or governing bodies should be reviewed on a continuous basis. Links to some regulatory agencies or governing bodies can be found at https://www.atmus.com/supplier-portal/materials-disclosure-requirements-and-guide.

4.2. Prohibited List Substances

All materials and items shall conform to the prohibitions on content of prohibited list substances shown in Table A1: Prohibited Substances. No intentional addition of prohibited list substances permitted. Natural occurrence as a trace substance below threshold % (wt./wt.) at homogeneous material level is permitted and must be declared. The supplier shall declare content of any of these substances present to Atmus for review and disposition prior to sending the material/parts containing the listed substances to Atmus. Note that lower threshold and limit values may apply to some applications.

All materials and items shall conform to the restrictions on content of prohibited list substances identified by applicable regulatory agencies or governing bodies as well as those mentioned on this engineering standard or at https://www.atmus.com/supplier-portal/materials-disclosure-requirements-and-guide.

4.3. Declarable List Substances

All materials and items shall conform to the restrictions on content of declarable list substances identified by applicable regulatory agencies or governing bodies as well as those mentioned on this engineering standard or at https://www.atmus.com/supplier-portal/materials-disclosure-requirements-and-guide.

A declarable list substance is a substance that is restricted and/or prohibited by one or more regulations and where the item that is not permitted to be present in any items as an intentional addition and/or as a residual above a threshold value where the item will be going into applications/ locations where the regulations apply. Declarable list substances cannot be used without documented item specific (i.e., by part number) prior approval from Atmus Filtration Technologies for use of the specific substance in the specific item (i.e. part number). Any intentional additions of declarable list substances must be declared regardless of the threshold value. Prior to documented item specific (i.e., by part number) approval for use from Atmus, declarable list substances shall be treated as prohibited list substances. The supplier shall submit a full material disclosure (FMD) containing all substances present (intentional and/or unintentional additions) in materials and components in weight percentages in any homogeneous layer and obtain the applicable written approvals/exemptions from the Atmus Filtration Technologies' Technical Compliance Team for authorized use of substances in the list of declarable substances prior to shipping of product or material to Atmus Filtration Technologies (including preproduction items and including PPAP of new/revised items).

Appendix A: Prohibited List Substances

The list of prohibited substances includes but is not limited to those listed in Table A1. Any content of the substances listed shall be reported regardless of the threshold value.

Note: There may be lower threshold values/limits for some applications.

Note: Threshold Weight % is the natural occurrence as a trace substance below threshold % (wt./wt.) at homogeneous material level.

Note: Effective date: If a date is listed, then the substance cannot be used (above threshold weight percent in any homogeneous layer) after the date. The term "Historical" under the "Effective Date" column indicates this substance has always been prohibited from use in Atmus Filtration Technologies' products.

Table A1: Prohibited Substances

Row No.	Substance	Threshold Weight % (in any Homogeneous Layer)	Potentially Found in (but not limited to):	Effective Date
1	Asbestos, Asbestos containing materials	0.1, no intentional additions	gasket material, heat and flame-resistant materials, actinolite, tremolite, crocidolite, amosite, chrysotile anthophyllite	01 Jan 1988
2	Polychlorinated Biphenyls (PCBs)	0.0002 (0.005 for Pigments allowed (BAT))	transformers, capacitors	Historical
3	Arsenic and its compounds	0.01 (unless present in metals & alloys, then limit is 0.05)	electronics, paints, metal alloys, ceramics, solder, arsinate, arsenate, ars, arsenite, arsenide, arseno, arsono, arsenic, arsone	Historical

Row No.	Substance	Threshold Weight % (in any Homogeneous Layer)	Potentially Found in (but not limited to):	Effective Date
4	Hexavalent Chromium, chromium VI compounds	0.1, no intentional additions	electroplating, passivation, anodized, pigments, dyes, bichromate, chromate, dichromate, chromic acid, chromic acid salts, dioxo-chromium, chromium chlorides, chromium chlorooxide, acids generated from chromium trioxide and their oligomers	Historical
5	Cyanide and its compounds	0.01, no intentional additions	plating, metal treatment	Historical
6	Radioactive substances	Shall not emit any type of ionizing radiation in excess of 0.5 µSv/hr (50 µR/hr) above background level when measured at all distance of less than one meter.	contaminated metals, contaminated polymers, high intensity lamps	Historical
7	Phenol, Isopropylated Phosphate (PIP (3:1))	0.05, no intentional additions	polymers, plasticizers, flame retardants, anti-wear additives, anti-static agents, lubricants, oils, coatings, adhesives, sealants	01 Mar 2024
8	Decabromodiphenyl Ether (DecaBDE)	0.1, no intentional additions	polymers, flame retardants, adhesives, sealants, coatings	06 Jan 2022
9	2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	0.1, no intentional additions	polymers, fuels, lubricants, adhesives, antioxidants	06 Jan 2026
10	Hexachlorobutadiene (HCBD)	0.1, no intentional additions	elastomers, polymers, lubricants, adhesives	08 Mar 2021

Row No.	Substance	Threshold Weight % (in any Homogeneous Layer)	Potentially Found in (but not limited to):	Effective Date
11	Pentachlorothiophenol (PCTP), pentachlorobenzenethiol	1.0, no intentional additions	elastomers, polymers, lubricants, adhesives	06 Jan 2022
12	Bis (2-ethylhexyl) phthalate (DEHP)	0.1, no intentional additions	wiring harnesses, hoses, tubers, clips, isolators, water pumps	22 Jul 2024
13	Lead and its compounds	0.1, no intentional additions	electronics, metals, polymers, bearings, metallic lead, leaded alloys, pigments, lead compounds, corrosion inhibitors	21 July 2026
14	2,2',4,4',6,6'-Hexabromobiphenyl (HBB)	0.1, no intentional additions	flame retardant in plastics and electrical components	Historical
15	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds (This is a PFAS)	0.0004, no intentional additions	chemical resistance against water and oil	28 Aug 2019
16	Polychlorinated naphthalene (PCNs)	0.001, no intentional additions	wiring installation, engine oil additive	Historical
17	Short-chain chlorinated paraffins (SCCPs)	1.0, no intentional additions	plasticizers and flame retardants in paints, adhesives, sealants, plastics, rubber, textiles and polymeric materials	Historical
18	Tetrabromodiphenyl ether (TetraBDE) and Pentabromodiphenyl ether (PentaBDE)	0.001, no intentional additions	flame retardant in flexible polyurethane foam; it was also used in printed circuit boards	Historical

Row No.	Substance	Threshold Weight % (in any Homogeneous Layer)	Potentially Found in (but not limited to):	Effective Date
19	UV-328 or 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol	0.001, no intentional additions	stabilizer in plastics, paints, inks, adhesives	12 May 2023

5. Recent Revisions

REV	Release Number	Description	Date	BY
00		Initial release.	01 Aug 2023	Brad Long
01		Updated links to Atmus supplier portal.	05 Jun 2024	Brad Long
02		Added item 13 (Lead and its compounds) to Table A1 (Prohibited Substances)	28 Jan 2025	Brad Long
03		Added items 14 through 19 to Table A1 (Prohibited Substances)	05 May 2026	Brad Long