



BOMcheck v8.3

Quick Reference Guide



Summary Table

Substance name	Category	Action required?
<u>Triphenyl phosphate, CAS: 115-86-6</u>	REACH Candidate List (SVHC)	● Yes - Used in flame retardants, plastics, adhesives, and coatings.
<u>6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid, CAS: 2156592-54-8</u>	REACH Candidate List (SVHC)	● Yes - Found in hydraulic fluids and metalworking fluids.
<u>O,O,O-triphenyl phosphorothioate, CAS: 597-82-0</u>	REACH Candidate List (SVHC)	● Yes - Functions as a lubricant, flame retardant, and plasticizer.
<u>Octamethyltrisiloxane, CAS: 107-51-7</u>	REACH Candidate List (SVHC)	● Yes - Used in lubricants, coatings, and electronic components.
<u>Perfluamine, CAS: 338-83-0</u>	REACH Candidate List (SVHC)	● Yes - Found in heat transfer fluids and optical devices.
<u>reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, CAS: 192268-65-8</u>	REACH Candidate List (SVHC)	● Yes - Used in lubricants and flame retardants.

Summary Table

Substance name	Category	Action required?
sum of undecafluorohexanoic acid (PFHxA) and its salts	REACH Restrictions (Annex XVII)	🟡 Yes (partial) - Applies to textile, leather, fur, and hide producers. Restrictions phase in from April 10, 2026. Details available in the BOMcheck RCD tool.
sum of PFHxA-related substances	REACH Restrictions (Annex XVII)	🟡 Yes (partial) - Same as above; phased restrictions apply to textile, leather, fur, and hide producers.
<u>EU MDR – CMR 1A & 1B and endocrine disrupting substances</u>	Other Restricted or Declarable Substances (medical devices)	🟡 Yes (partial) - Applies to medical device parts/equipment. List updated with substances from the 22nd ATP & Candidate List.
Cholecalciferol, CAS: 67-97-0	Other Restricted or Declarable Substances	🟡 Limited Impact - Mostly found in e-cigarette vaping cartridges, unlikely in most products.
Decabromodiphenylether (DecaBDE) CAS: 1163-19-5	TSCA 6(h) – PBT substances	🔴 Yes - Previously listed under EU RoHS, now added to the TSCA 6(h) PBT list.

Summary Table

Substance name	Category	Action required?
Polybrominated diphenyl ethers (PBDEs)	POPs Stockholm Convention	 Yes (partial) - Threshold reduced from 0.05% w/w to "No intentionally added content". <ul style="list-style-type: none">◆ EU EEE exemption available.◆ Previous declarations without an exemption were reset to compliance missing.
PFOA-related substances	POPs Stockholm Convention	 Yes - New entry added due to IEC 62474 alignment. <ul style="list-style-type: none">◆ Listed under the dedicated POPs list.◆ See BOMcheck RCD tool for CAS numbers.

Triphenyl phosphate

CAS: 115-86-6

Declaration required

- SVHC
- Can be found in supplied articles
>0.1% w/w

Applications

- Triphenyl phosphate (TPhP) is widely used as a flame retardant and plasticizer across multiple industries. Its usage has increased following the phase-out of PBDEs.
- Concentrations can vary but may reach 20-30% w/w depending on the application
- May be found in casings, PVC, foams, sheet materials, paints and coatings etc.



6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid CAS: 2156592-54-8

Declaration required

- SVHC
- Can be found in supplied articles
>0.1% w/w

Applications

- This substance is used in hydraulic fluids, lubricants, greases, and metalworking fluids which have applications in vehicles and at industrial sites



O,O,O-triphenyl phosphorothioate

CAS: 597-82-0

Declaration required

- SVHC
- Can be found in supplied articles
>0.1% w/w



Applications

- Lubricants and Greases:
 - Used in high-temperature environments
 - Found in cooling liquids (refrigerators, oil-based electric heaters)
 - Utilised in automotive hydraulic fluids, motor oils, and brake fluids
- Flame Retardant and Plasticiser:
 - Employed in manufacturing flexible PVC, plastics, rubbers, and coatings to improve fire resistance and flexibility
 - Used as an additive to improve durability and performance in coatings, adhesives, and sealants



Octamethyltrisiloxane

CAS: 107-51-7

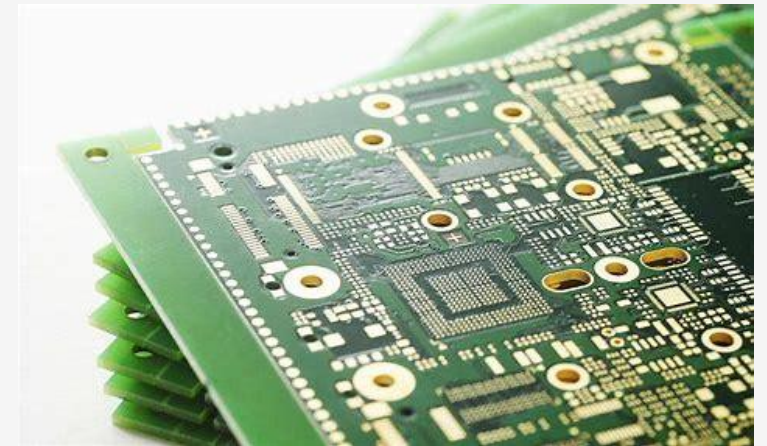
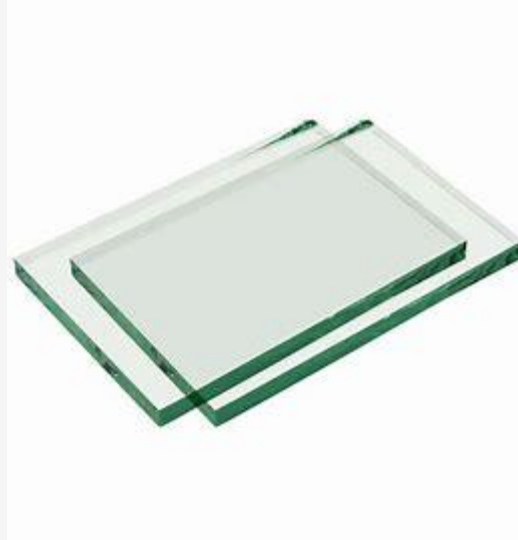
Declaration required

- SVHC
- Can be found in supplied articles >0.1% w/w



Applications

- Found in treated surfaces (e.g., textiles, glass, electronics) as part of coatings or surface treatments.
- Octamethyltrisiloxane may be present in supplied articles, particularly in surface treatments, coatings, and products where it serves as a functional additive. However, its volatility often leads to evaporation, meaning it may not remain in some finished applications.



Perfluamine

CAS: 338-83-0

Declaration required

- SVHC
- Can be found in supplied articles
>0.1% w/w



Applications

- Perfluamine may be present in products if integral to functionality but is typically enclosed within systems, such as:
 - Electronics: Cooling fluids in immersion setups
 - Medical Devices: Trace amounts in oxygen transport systems
 - Lubricated Components: Residual traces on equipment parts
 - Production Processes: Trace amounts may remain but are typically reacted.

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

CAS: 192268-65-8

Declaration required

- SVHC
- Can be found in supplied articles
>0.1% w/w



Applications

- Lubricants and Greases:
 - Used in high-temperature environments
 - Found in cooling liquids (refrigerators, oil-based electric heaters)
 - Utilised in automotive hydraulic fluids, motor oils, and brake fluids
- Flame Retardant and Plasticiser:
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Updated EU MDR (CMR 1A & 1B and endocrine disrupting) substances

Declaration required

Who is affected?


- Action is only required for parts used in medical devices and where the part has invasive contact with the patient

What's changed?

- The CMR 1A & 1B substances list in the RCD tool has been updated to include additional substances from the 22nd ATP and Candidate List
- The entry for CMR 1A & 1B substances in the RCD tool will be set to “missing information” for all applicable suppliers

What suppliers need to do?

- Suppliers must indicate compliance “Yes” or “No”
- The full list and screening of CMR 1A and 1B substances is available here

CMR 1A and 1B substances and endocrine disrupting substances		0.1% by weight (1 000ppm) in any material which has invasive contact with the patient, or any material which transports or stores fluids or gases which contact the patient	<input type="button" value="Yes"/>	<input type="button" value="No"/>	<input type="button" value="Missing"/>
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Address

130 East Randolph St, Suite
1900
Chicago, IL 60601 USA

Phone

(312) 796-7160

Online

BOMcheckAdmin@sphera.com