

SAFE USE INSTRUCTION

According to Reg. EC N° 1907/2006 (REACH) Art.33

This Safe use instruction satisfies the requirement to communicate information on substances in articles as per Article 33 of Regulation (EC) N°1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation Authorization and Restriction of Chemicals. This Safe use instruction is mandatory if the substance in an SVHC identified in accordance with REACH ART. 59(1) in a concentration above 0.1% weight/weight

SUBSTANCE: Bisphenol A (BPA), 4,4'-Isopropylidenediphenol **EC number: 201-245-8/CAS number: 80-05-7**

Bisphenol A (BPA), 4,4'-Isopropylidenediphenol is a Substance of very high concern (SVHC) included in the Candidate list for Authorization, due to these properties of concern:

- Toxic for reproduction (Article 57c)
- Endocrine disrupting properties (Article 57(f) - environment)
- Endocrine disrupting properties (Article 57(f) - human health)

1. SAFE USE CONDITIONS

Normal use	Stable under normal use; no expected hazardous emissions
Handling Assembly Disassembly	It is recommended that appropriate Personal Protective Equipment (PPE) to be used when handling, assembling/disassembling articles though these activities may cause some very minor transfer of residue onto unprotected skin
Coating mechanical removal	Any mechanical removal of Bisphenol A (BPA) shall be done with an adequate ventilation/other engineering controls to prevent release/to control dispersion from source towards the worker and using the appropriate PPE. Attention: mechanical removal techniques may generate hazardous particulates that must be disposed in accordance with applicable laws and regulations.
Coating chemical removal	Any chemical removal of Bisphenol A (BPA) coating shall be done with an adequate proper ventilation/other engineering controls to prevent release/to control dispersion from source towards the worker and using the appropriate PPE. Attention: stripping may use of chemical techniques that can generate hazardous waste that must be disposed in accordance with applicable laws and regulations
Disposal	It is recommending participating in end-of-life take back programs if available or reuse and recycle material when possible. Otherwise, disposal shall be made according to applicable regulations



2. EXPOSURE CONTROL

Engineering Controls	Technical conditions and measures at process level (source) to prevent release/to control dispersion from source towards the worker: <ul style="list-style-type: none">• Process enclosures or semi- enclosures where appropriate• Local exhaust ventilation/dust collection in the work area with potential dust generation, dust capturing and removal techniques to limit airborne dust concentration to the lowest level																								
Personal Protective Equipment (PPE)	Eyes: Safety glasses and/or goggles are recommended. Skin: Protective clothing to avoid contact with exposed skin may include coveralls, gloves and head/face covering. Disposable/single use protective clothing is recommended. Respiratory protection: Wearing a filtering half mask with at least an FFP2 particle filter according to DIN EN 149 is required in presence of product dust.																								
Monitoring	An exposure assessment comply should be conducted to determine if the exposure level for workplace is lower than the referring to EU value Occupational Exposure Limits (OEL): <table><tr><th rowspan="2">Name</th><th rowspan="2">EC Number</th><th rowspan="2">CAS</th><th colspan="2">Long-term Exposure Limit (LT-EL) Values</th><th colspan="2">Short-term Exposure Limit (ST-EL) Values</th><th rowspan="2">Expressed As</th><th rowspan="2">Physical form</th><th rowspan="2">Skin Designation</th></tr><tr><th>mg/m3</th><th>ppm</th><th>mg/m3</th><th>ppm</th></tr><tr><td>Bisphenol A 4,4'- Isopropylidenediphenol</td><td>201- 245-8</td><td>80- 05-7</td><td>2 mg/m3</td><td></td><td></td><td></td><td></td><td>Inhalable fraction</td><td></td></tr></table>	Name	EC Number	CAS	Long-term Exposure Limit (LT-EL) Values		Short-term Exposure Limit (ST-EL) Values		Expressed As	Physical form	Skin Designation	mg/m3	ppm	mg/m3	ppm	Bisphenol A 4,4'- Isopropylidenediphenol	201- 245-8	80- 05-7	2 mg/m3					Inhalable fraction	
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Additional requirement	Pregnant workers, workers who have recently given birth or are breastfeeding and young persons (under 18 years of age) may not be exposed. For workers adequate procedure shall be available and training must be provided																								

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