

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: Lead

EC number: 231-100-4/CAS number: 7439-92-1

Lead is a Substance of Very High Concern (SVHC) included in the Candidate list for Authorization, due to this property of concern:

- Toxic for reproduction (Article 57c)

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
Mechanical removal	Any mechanical removal of 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
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 areas with potential dust generation, dust capturing and removal techniques to limit airborne dust concentrations to the lowest level
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Personal Protective Equipment (PPE)	<p>Skin: Protective clothing to avoid contact with exposed skin may include coveralls, gloves and head/face covering. Disposable/single use protective clothing is recommended.</p> <p>Eyes: Safety glasses and/or goggles are recommended.</p> <p>Respiratory protection: respiratory protection devices with adequate efficiency levels shall be worn</p>																						
Monitoring	<p>An exposure assessment comply should be conducted to determine if the exposure level for each task is lower than:</p> <ul style="list-style-type: none">for workplace referring to CAD – Chemical Agents Directive LTEL value <table><tr><th rowspan="2">Region</th><th rowspan="2">Legislation</th><th colspan="3">Long-term Exposure Limit (LTEL) Values</th><th colspan="3">Short-term Exposure Limit (STEL) Values</th></tr><tr><th>mg/m³</th><th>ppm</th><th>f/ml</th><th>mg/m³</th><th>ppm</th><th>f/ml</th></tr><tr><td>European Union</td><td>CAD - Chemical Agents Directive</td><td>0.15</td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Relevant ECHA weblink: https://echa.europa.eu/it/chemagts-oels-annex1/-/legislationlist/substance/100.028.273</p> <ul style="list-style-type: none">Additionally the relevant binding BLV from CAD – Chemical Agents Directive is reported below: BLV: 70 µg/100ml Determinant (BLV): Lead Specimen (BLV): B Blood Surveillance BLV: 40 µg/100ml Surveillance TWA (40 h): 0.075 mg/m3 Determinant (BLV) surveillance: Lead Specimen (Surveillance BLV): B Blood Notes: 2 TWA calculated as a time-weighted average over 40 hours per week. 3 Biological monitoring must be measured using absorption spectrometry or a method giving equivalent results. Relevant ECHA weblink: https://echa.europa.eu/it/chemagts-blvs-annex-2/-/legislationlist/details/EU-CHEM_AGENTS-ANX_II_BLV-100.028.273-VSK-59942C	Region	Legislation	Long-term Exposure Limit (LTEL) Values			Short-term Exposure Limit (STEL) Values			mg/m³	ppm	f/ml	mg/m³	ppm	f/ml	European Union	CAD - Chemical Agents Directive	0.15					
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Additional requirement	For workers adequate procedure shall be available and training must be provided																						

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