## **Boundary Composition in Lead Registrant Dossier**

**Substance:** molybdenum

**EC Number** 231-107-2

**Type of substance:** mono-constituent

Remark: Molybdenum is marketed as a substance and as a component of alloys ("special mixtures"). Therefore, for technical reasons, the lead dossier contains TWO boundary compositions, one for molybdenum as a substance and one for molydenum in alloys.

Name of boundary composition 1: "Boundary composition: molybdenum as a substance"

Other: Pure molybdenum is marketed in powder/particulate form, but mostly in the form of semi-finished massive

objects, such as sheets or wires.

**Description of composition:** This boundary composition is for the substance molybdenum (metal). Pure molybdenum is marketed in powder/particulate form, but mostly in the form of semi-finished massive objects, such as sheets or wires.

powder/particulate form, but mostly in the form of semi-finished massive object

Degree of purity	>= 97	<= 100	% (w/w)				
	typical	min	max				
	% (w/w)	% (w/w)	% (w/w)			lua marritare	
						Impurity Relevant	
				<b>Selected Substance References</b>		for C&L	Remarks
Constituents				EC number	CAS number		
molybdenum	>= 99.5	>= 97	<= 100	231-107-2	7439-98-7		
Impurities							
unknown impurities	<= 0.5	>= 0	<= 3	-	-	No	No individual impurity is present at >= 1 % (w/w). No impurity relevant for classification and labelling or PBT/vPvB is present at >= 0.1 %, or above other generic or specific concentration limits.

## **Additives**

State / form:

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Name of boundary composition 2: "Boundary composition: molybdenum as a component of alloys"

**Description of composition:** This boundary composition is for molybdenum as a component of alloys. Since in alloys, impurities cannot be assigned

to individual components of the alloy, this boundary composition does not include impurities, and the purity is 100%

(w/w).

**State / form:** solid: particulate/powder

**Degree of purity**  $\Rightarrow$  100  $\Rightarrow$  100  $\Rightarrow$  100  $\Rightarrow$  100

 typical
 min
 max

 % (w/w)
 % (w/w)
 % (w/w)

Impurity Relevant

Selected Substance References for C&L Remarks

**Constituents** EC number fd

molybdenum 100 >= 100 <= 100 231-107-2 7439-98-7

Impurities

- No

**Additives** 

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