

Classification and labelling information of the lead registrant

Substance name: Ruthenium (IV) oxide - LR Dossier - FOR REFERENCE ONLY

Public name of substance:

Table of Contents

1. Classification and labelling information of the lead registrant for use by the pre-SIEF	1
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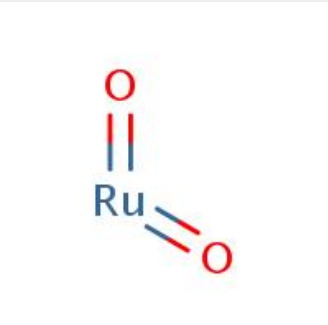

<p>Substance identity</p> <p>EC name: ruthenium (IV) oxide</p> <p>EC number: 234-840-6</p> <p>CAS number: 12036-10-1</p> <p>Molecular formula: O₂Ru</p>	<p>Hazard classification and labelling</p> <p>GHS name: Ruthenium (IV) oxide (classified)</p> <p>Implementation: EU</p> <p>For the linked composition: <u>Ruthenium (IV) oxide (anhydrous)</u> the registrant has NOT indicated that the substance classification is affected by impurities or additives</p> <p>For the linked composition: <u>Ruthenium (IV) oxide (hydrate)</u> the registrant has NOT indicated that the substance classification is affected by impurities or additives</p>
<p>Structural formula:</p> 	<p>GHS03: flame over circle</p>  <p>Signal word: Danger</p>
<p>Labelling</p> <p>Hazard statements:</p> <p>H272: May intensify fire; oxidiser.</p> <p>Precautionary statements:</p> <p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P220: Keep away from clothing or other combustible materials.</p> <p>P221: Take any precaution to avoid mixing with combustibles...</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...</p> <p>P370+P378: In case of fire: Use... to extinguish.</p> <p>P501: Dispose of contents/container to ...</p>	

Table 1.1.

Classification and labelling according to CLP / GHS for physical hazards			
Hazard class	Hazard category	Hazard statement	Reason for no classification

Explosives:			data conclusive but not sufficient for classification
Desensitised explosives:			data lacking
Flammable gases and chemically unstable gases:			data conclusive but not sufficient for classification
Flammable aerosols:			data conclusive but not sufficient for classification
Oxidising gases:			data conclusive but not sufficient for classification
Gases under pressure:			data conclusive but not sufficient for classification
Flammable liquids:			data conclusive but not sufficient for classification
Flammable solids:			data conclusive but not sufficient for classification
Self-reactive substances and mixtures:			data conclusive but not sufficient for classification
Pyrophoric liquids:			data conclusive but not sufficient for classification
Pyrophoric solids:			data conclusive but not sufficient for classification
Self-heating substances and mixtures:			data conclusive but not sufficient for classification
Substances and mixtures which in contact with water emit flammable gases:			data conclusive but not sufficient for classification
Oxidising liquids:			data conclusive but not sufficient for classification
Oxidising solids:	Oxid. Solid 2	H272: May intensify fire; oxidiser.	

Organic peroxides:			data conclusive but not sufficient for classification
Corrosive to metals:			data conclusive but not sufficient for classification
Classification and labelling according to CLP / GHS for health hazards			
Hazard class	Hazard category	Hazard statement	Reason for no classification
Acute toxicity - oral:			data conclusive but not sufficient for classification
Acute toxicity - dermal:			data lacking
Acute toxicity - inhalation:			data lacking
Skin corrosion / irritation:			data lacking
Serious damage / eye irritation:			data conclusive but not sufficient for classification
Respiratory sensitisation:			data lacking
Skin sensitisation:			data lacking
Aspiration hazard:			data lacking
Reproductive Toxicity:			data lacking
Reproductive Toxicity: Effects on or via lactation:			data lacking
Germ cell mutagenicity:			data lacking
Carcinogenicity:			data lacking
Specific target organ toxicity – single exposure:	Affected organs: Route of exposure:		data lacking
Specific target organ toxicity – repeated exposure:	Affected organs: Route of exposure:		data lacking
Specific concentration limits:			
Classification and labelling according to CLP / GHS for environmental hazards			
Hazard class	Hazard category	Hazard statement	Reason for no classification

Hazards to the aquatic environment (acute/short-term):			data lacking
Hazards to the aquatic environment (chronic/long-term):			data lacking
M-Factor acute:			
M-Factor chronic:			
Hazardous to the ozone layer:			data lacking