

Classification and labelling information of the lead registrant

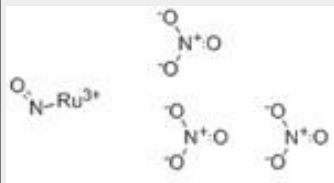


Substance name: Tris(nitrato-O)nitrosylruthenium - LR Dossier - FOR REFERENCE ONLY

Public name of substance:

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Substance identity	Hazard classification and labelling
<p>EC name: tris(nitrato-O)nitrosylruthenium</p> <p>EC number: 252-068-8</p> <p>CAS number: 34513-98-9</p> <p>Molecular formula: N4O10Ru</p>	<p>GHS name: Tris(nitrato-O)nitrosylruthenium (classified)</p> <p>Implementation: EU</p> <p>For the linked composition: <u>Tris(nitrato-O)nitrosylruthenium</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>GHS05: corrosion</p>
	
	<p>Signal word: Danger</p>
Labelling	
Hazard statements:	
<p>H271: May cause fire or explosion; strong oxidiser.</p>	
<p>H290: May be corrosive to metals.</p>	
<p>H314: Causes severe skin burns and eye damage.</p>	
Precautionary statements:	
<p>P101: If medical advice is needed, have product container or label at hand.</p>	
<p>P102: Keep out of reach of children.</p>	
<p>P103: Read carefully and follow all instructions.</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>P234: Keep only in original packaging.</p>	
<p>P260: Do not breathe dust/fume/gas/mist/vapours/spray.</p>	
<p>P264: Wash ... thoroughly after handling.</p>	
<p>P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...</p>	
<p>P283: Wear fire resistant or flame retardant clothing.</p>	
<p>P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p>	

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P306+P360: IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P371+P380+P375: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

P310: Immediately call a POISON CENTER/doctor/...

P321: Specific treatment (see ... on this label).

P363: Wash contaminated clothing before reuse.

P370+P378: In case of fire: Use... to extinguish.

P390: Absorb spillage to prevent material damage.

P405: Store locked up.

P406: Store in a corrosion resistant/... container with a resistant inner liner.

P501: Dispose of contents/container to ...

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 1	H271: May cause fire or explosion; strong oxidiser.	
Organic peroxides:			data conclusive but not sufficient for classification
Corrosive to metals:	Met. Corr. 1	H290: May be corrosive to metals.	

Classification and labelling according to CLP / GHS for health hazards

Hazard class	Hazard category	Hazard statement	Reason for no classification
Acute toxicity - oral:			data lacking
Acute toxicity - dermal:			data lacking
Acute toxicity - inhalation:			data lacking
Skin corrosion / irritation:	Skin Corr. 1B	H314: Causes severe skin burns and eye damage.	
Serious damage / eye irritation:	Eye Damage 1	H318: Causes serious eye damage.	
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