

**Safety information sheet**  
**GOLD METAL**



Revision n. V of 2021.10.04

Replaces revision n. IV of 2019.01.21

<b>1.</b>	<b>IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY</b>		
	<b>1.1</b>	<b>Product identifier</b>	
		Chemical name	Gold
		C.A.S. Registry Number	7440-57-5
		EC Number	231-165-9
		Molecular weight	196,96
		Brut formula	Au
		Product	Product ode
		Gold in foil	20 – 1020
		Gold in grains	19
		Powdered gold	02
	<b>1.2</b>	<b>Relevant identified uses of the mixture and advised uses</b>	
		silversmith goldsmith - galvanic - catalysts	
		industrial use	
		No use advised against in particular	
	<b>1.3</b>	<b>Information on the supplier of the safety data sheet</b>	
		Name	FAGGI ENRICO S.P.A.
		Adress	Via Majorana, 101/103 50019 Sesto Fiorentino FI
		Telephone number	055311861
		Fax number	055311791
		Competent person responsible for the safety data sheet	lorenzo.magaldi@faggi.it
	<b>1.4</b>	Emergency telephone number	Ph 0557947819 Poison Control Center of Florence
	<b>1.5</b>	<b>Registration number</b>	
		01-2120113095-69-XXXX	
<b>2.</b>	<b>HAZARDS IDENTIFICATION</b>		
	<b>2.1</b>	<b>Classification of the substance according to Regulation (EC) no. 1272/2008: Not dangerous</b>	
	<b>2.2</b>	<b>Label elements: not applicable</b>	
	<b>2.3</b>	<b>Other hazards</b> • Results of PBT and vPvB assessment	None PBT : not applicable vPvB : not applicable
<b>3.</b>	<b>COMPOSITION INFORMATION ON INGREDIENTS</b>		
	<b>3.1</b>	<b>Substance : Gold</b>	
		CAS number	7440-57-5
		EC number	231-165-9
<b>4.</b>	<b>FIRST AID MEASURES</b>		
	<b>4.1</b>	<b>Description of first aid measures</b>	
		Inhalation: Not applicable	
		Ingestion: Not applicable	

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		Skin contact: Not applicable	
		Contact with eyes: Not applicable	
		<b>RECOMMENDATIONS:</b>	
		• <b>Need to see a doctor immediately</b>	NO
		• <b>Possibility of delayed effects following exposure</b>	NO
		• <b>Move the exposed individual from the place of exposure to open air</b>	NO
		• <b>Remove clothing and shoes of the exposed individual</b>	NO
		• <b>How to handle contaminated clothing</b>	NONE
		• <b>For those providing first aid, wear PPE</b>	NO
	<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>	
		None	
	<b>4.3</b>	<b>Indication of any need to immediately consult a doctor and special treatments</b>	
		None	
<b>5.</b>		<b>FIRE FIGHTING MEASURES</b>	
	<b>5.1</b>	<b>Fire fighting</b>	
		Suitable extinguishing media	CO2, powder or water spray extinguishers
		Unsuitable extinguishing media	Do not use water on the molten metal due to the danger of violent development of steam.
	<b>5.2</b>	<b>Special hazards arising from the substance or mixture</b>	
		Not easily combustible. Possible dust explosion.	
	<b>5.3</b>	<b>Special recommendations for firefighters</b>	
		Normal firefighting clothing, such as self-contained open-circuit compressed air breathing apparatus (EN137), flame retardant suit (EN469), flame retardant gloves (EN659) and firefighter boots (HOA29 or A30).	
<b>6.</b>		<b>ACCIDENTAL RELEASE MEASURES</b>	
	<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures</b>	
		<b>6.1.1.</b>	<b>For those who do not intervene directly</b>
			None
		<b>6.1.2.</b>	<b>For those who intervene directly</b>
			None
	<b>6.2</b>	<b>Environmental precautions</b>	
		None	
	<b>6.3</b>	<b>Methods and materials for containment and cleaning up</b>	
		<b>6.3.1.</b>	<b>Recommendations on how to contain a spill</b>
			None
		<b>6.3.2.</b>	<b>Recommendations on how to clean up a spill</b>
			None
		<b>6.3.3.</b>	<b>Any other information</b>

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		None
<b>6.4</b>	<b>References to other sections</b>	
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<b>7.</b>	<b>HANDLING AND STORAGE</b>	
<b>7.1.</b>	<b>Precautions for Safe Handling</b>	
	<b>7.1.1.</b>	<b><i>Recommendations that allow the substance or mixture to be handled safely, such as containment and prevention measures for fires and for the formation of aerosols and dusts</i></b>
		Avoid raising dust clouds.
	<b>7.1.2.</b>	<b><i>Generic recommendations on occupational hygiene</i></b>
		Do not eat, drink and smoke in work areas. Wash your hands after use. Remove contaminated clothing and protective equipment before entering eating areas
<b>7.2.</b>	<b>Conditions for safe storage, including any incompatibilities</b>	
	<b>7.2.1.</b>	<b>Management of risks associated with explosive atmospheres, corrosive conditions, flammability hazards, incompatible substances and mixtures, evaporation conditions, potential sources of ignition</b>
		Avoid raising dust clouds.
	<b>7.2.3.</b>	<b>Containment of the effects of weather conditions, pressure, temperature, sunlight, humidity and vibrations</b>
		None.
	<b>7.2.4.</b>	<b>Conditions for keeping substances / mixtures intact</b>
		None.
	<b>7.2.5.</b>	<b>Provisions relating to ventilation, specific design of storage rooms or containers, quantitative limits in storage conditions, compatibility of packaging</b>
<b>7.3.</b>	<b>Specific end uses</b>	
		Industrial use
<b>8.</b>	<b>EXPOSURE CONTROL / PERSONAL PROTECTION</b>	
<b>8.1.</b>	<b>Control parameters</b>	
		None
<b>8.2.</b>	<b>Exposure controls</b>	
	<b>8.2.1.</b>	<b>Appropriate technical controls</b>
		None
	<b>8.2.2.</b>	<b>Individual protection measures, such as personal protective equipment</b>
		<b>Eye / face protection</b> Not necessary
		<b>Skin protection (hands)</b> Not necessary
		<b>Skin (body) protection</b> Not necessary
		<b>Respiratory protection</b> Use a dust mask with P3 filters if dust is generated during use
		<b>Thermal hazards</b> None
	<b>8.2.3.</b>	<b>Environmental exposure controls</b>
		None
<b>9.</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	

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		Appearance	Solid yellow (or yellow powder)
		Smell	Odourless
		Odor threshold	Not applicabl
		pH	Not applicable
		Melting point / freezing point	1064,18° C
		Initial boiling point and boiling range	2808° C
		Flash point	Not flammable
		Evaporation rate	Not applicable
		Flammability (solid, gas)	Not flammable
		Upper / lower flammability or explosive limits	Not flammable
		Vapor pressure	Not determined
		Vapor density	Not determined
		Relative density (in solid form)	19,3 g/cm <sup>3</sup>
		The solubility (ies)	Not applicable
		Partition coefficient n-octanol / water	Not applicable
		Self-ignition temperature	Not applicable
		Decomposition temperature	Not applicable
		Viscosity	Not applicable
		Explosive properties	Not explosive
		Oxidizing properties	Not oxidizing
	<b>9.2.</b>	<b>Other information</b>  None	
<b>10.</b>		<b>STABILITY AND REACTIVITY'</b>	
	<b>10.1</b>	<b>Reactivity</b>	
		No information avaiable	
	<b>10.2</b>	<b>Chemical stability</b>	

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		The material is stable	
<b>10.3</b>		<b>Possibility of hazardous reactions</b>	
		None	
<b>10.4</b>		<b>Conditions to avoid</b>	
		Formation of dust	
<b>10.5</b>		<b>Incompatible materials</b>	
		None	
<b>10.6</b>		<b>Hazardous decomposition products</b>	
		None	
<b>11.</b>		<b>TOXICOLOGICAL INFORMATION</b>	
<b>11.1</b>		<b>Information on the toxicological effects of aluminum oxide</b>	
		<b>Acute toxicity</b>	Not toxic
		<b>Skin corrosion / irritation</b>	Not corrosive
		<b>Serious eye damage / eye irritation</b>	Not irritating
		<b>Respiratory or skin sensitization</b>	Not sensitising
		<b>Germ cell mutagenicity</b>	Not mutagenic
		<b>Carcinogenicity</b>	Not carcinogenic
		<b>Toxic for reproduction</b>	Not toxic
		<b>Specific target organ toxicity (STOT) single exposure</b>	Not applicable
		<b>Specific target organ toxicity (STOT) repeated exposure</b>	Not applicable
		<b>Aspiration hazard</b>	It can irritate the mucous membranes in case of inhalation of dust
		<b>Information on likely ways of exposure</b>	
<b>11.2</b>		<b>Other information</b>	
		None	
<b>12.</b>		<b>ECOLOGICAL INFORMATION</b>	
<b>12.1</b>		<b>Toxicity</b>	Non-toxic to aquatic organisms
<b>12.2</b>		<b>Persistence and degradability</b>	Not applicable
<b>12.3</b>		<b>Bioaccumulation potential</b>	Not applicable
<b>12.4</b>		<b>Mobility in soil</b>	Not applicable
<b>12.5</b>		<b>Results of PBT and vPvB assessment</b>	Not applicable
<b>12.7</b>		<b>Other adverse effects</b>	Not applicable

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<b>13.</b>		<b>DISPOSAL CONSIDERATIONS</b>	
	<b>13.1.</b>	<b>Waste treatment methods</b>	
		The product can be recovered	
<b>14.</b>		<b>INFORMAZION ON TRASPORT</b>	
<b>15.</b>		<b>REGULATORY INFORMATION</b>	
	<b>15.1</b>	<b>Health, safety and environmental legislation and regulations specific to the substance or mixture</b>	<b>Applicability</b>
		Reg. (EC) 1907/2006 / EC Reach	YES
		Reg. (EC) 1272/2008 CLP and following changes and additions	YES
		Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"	NO
		Reg. (EC) 850/2004 "Persistent organic pollutants"	NO
		Reg. (EC) 689/2008 "export and import of dangerous chemicals"	NO
		Substance listed in Annex I of Dir. 2012/18 / EU so-called Seveso	NO
		Legislative Decree 81/2008 Consolidated Law on health and safety at work	NO
		Directive 2014/103 / EU "Adr"	NO
	<b>15.2</b>	<b>Chemical safety assessment</b>	
		A chemical safety assessment was not carried out	
<b>16.</b>		<b>OTHER INFORMATION</b>	
		<b>Changes compared to previous edition</b>	
		Amendement on section 1	
		<b>Key to abbreviations and acronyms</b>	
		ADR: European agreement concerning the international transport of dangerous goods by road GHS: Globally Harmonized System of Classification and Labeling of Substances EINECS: European Inventory of Chemical Substances CAS: Chemical Abstract Service	
		<b>Main bibliographic references and data sources</b>	
		ECHA database on registered substances and those under registration: <a href="http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances">http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances</a>	
		<b>Adequate training for workers in order to ensure the protection of human health and the environment</b>	
		<ul style="list-style-type: none"> <li>• Training on DPI</li> </ul>	