

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/25/2017 Version: 5.0

SECTION 1: Identification		
1.1. Identification		
Product form	: Mixture	
Trade name	: 88 AU/12 GE VTG	
Product code	: A00000303	
1.2. Recommended use and restriction	ns on use	
No additional information available		
1.3. Supplier		
Lucas-Milhaupt, Inc. 5656 South Pennsylvania Ave. Cudahy, WI 53110 - USA T (414)-769-6000 LM_SDSinfo@lucasmilhaupt.com - www.Lucas	smilhaupt.com	
1.4. Emergency telephone number		
Emergency number	: CHEMTREC within the USA and Canada: 1-800-424-9300 CHEMTREC outside the USA and Canada +1 701-741-5970	
SECTION 2: Hazard(s) identification	n	
2.1. Classification of the substance or	mixture	
GHS US classification		
Not classified		
2.2. GHS Label elements, including pre	ecautionary statements	
GHS US labelling		
No labelling applicable		
2.3. Other hazards which do not result	in classification	
No additional information available		
2.4. Unknown acute toxicity (GHS US)		
Not applicable		
<b>SECTION 3: Composition/informati</b>	ion on ingredients	
3.1. Substances		
Not applicable		
3.2. Mixtures		
Name	Product identifier	%
Gold	(CAS-No.) 7440-57-5	87.5 - 88.5
Germanium	(CAS-No.) 7440-56-4	11.5 - 12.5
Full text of hazard classes and H-statements :	see section 16	
SECTION 4: First-aid measures		
4.1. Description of first aid measures		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.	
First-aid measures after skin contact	: Wash skin with plenty of water.	
First-aid measures after eye contact	: Rinse eyes with water as a precaution.	
First-aid measures after ingestion	First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.	

#### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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SECTION 5: Fire-fight	ng measures	
5.1. Suitable (and uns	itable) extinguishing media	
Suitable extinguishing media	: Dry powder. Water spray. Foam.	
Unsuitable extinguishing med	a : Water.	
5.2. Specific hazards a	rising from the chemical	
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.	
5.3. Special protective	equipment and precautions for fire-fighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing	
	apparatus. Complete protective clothing.	
<b>SECTION 6: Accidenta</b>	I release measures	
6.1. Personal precauti	ns, protective equipment and emergency procedures	
6.1.1. For non-emergend	y personnel	
Emergency procedures	: Ventilate spillage area.	
6.1.2. For emergency rea	nonders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information	
	refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental pre	cautions	
Avoid release to the environm	ent.	
6.3. Methods and mate	rial for containment and cleaning up	
Methods for cleaning up	: Mechanically recover the product.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to othe	sections	
For further information refer to	section 13.	
<b>SECTION 7: Handling</b>	and storage	
7.1. Precautions for sa	fe handling	
7.1. Precautions for safe handling	fe handling : Ensure good ventilation of the work station. Wear personal protective equipment.	
	<ul><li>Ensure good ventilation of the work station. Wear personal protective equipment.</li><li>Do not eat, drink or smoke when using this product. Always wash hands after handling the</li></ul>	
Precautions for safe handling Hygiene measures	: Ensure good ventilation of the work station. Wear personal protective equipment.	
Precautions for safe handling Hygiene measures 7.2. Conditions for safe	<ul> <li>Ensure good ventilation of the work station. Wear personal protective equipment.</li> <li>Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>	
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Wear suitable protective clothing

## **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

<b>SECTION 9: Physical and chemica</b>	l properties
9.1. Information on basic physical and	d chemical properties
Physical state	: Solid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available
9.2. Other information	
No additional information available	
<b>SECTION 10: Stability and reactivity</b>	ty .
10.1. Reactivity	
The product is non-reactive under normal con-	ditions of use, storage and transport.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	\$
No dangerous reactions known under normal	conditions of use.
10.4. Conditions to avoid	
None under recommended storage and handli	ing conditions (see section 7).

**10.5. Incompatible materials** No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on toxicological effect	xts	
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	

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Germanium (7440-56-4)	
LC50 inhalation rat (mg/l)	> 5.34 g/m <sup>3</sup> (Exposure time: 4 h)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available

	ON 12: Ecological information	
12.1.	Toxicity	
Ecology	- general :	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
12.2.	Persistence and degradability	
No additi	ional information available	
12.3.	Bioaccumulative potential	
No additi	ional information available	
12.4.	Mobility in soil	
No additi	ional information available	
12.5.	Other adverse effects	
No additi	ional information available	

SECTI	ON 13: Disposal consideration	S
13.1.	Disposal methods	
Waste tre	eatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTI	ON 14: Transport information	

Department of Transportation (DOT)

In accordance with DOT

Not applicable

**Transportation of Dangerous Goods** 

Not applicable

## Transport by sea

Not applicable

## Air transport

Not applicable

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SECTION 15: Regulatory information
15.1. US Federal regulations
Germanium (7440-56-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Gold (7440-57-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
15.2. International regulations
Germanium (7440-56-4)

Germanium (7440-56-4)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Gold (7440-57-5)

## 15.3. US State regulations

Component	State or local regulations
Germanium(7440-56-4)	
Gold(7440-57-5)	

## **SECTION 16: Other information**

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#### SDS US (GHS HazCom 2012)

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