



MATERIAL SAFETY DATA SHEET

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Prepared For	:	Shandong Sino-Gold Mining and Metallurgy Co.,Ltd. No.600 East Rold Laoshan District Qingdao City Shandong Province.
Name of Sample	:	Gold Lixiviant
Brand Name	:	Sino-Gold
Model No.	:	Sino-Gold
Prepared By	:	Shenzhen Toby Laboratories Inc. Rm.307-309, 311, Bldg.2, Huahan Sci-tech Industrial Park, No.19 Lanjin 4th Road, Heping Community, Pingshan St., Pingshan District, Shenzhen.
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Section 1-Chemical Product and Company Identification

Product Name	Gold Lixiviant
Manufacturer	Shandong Sino-Gold Mining and Metallurgy Co.,Ltd
Manufacturer Address	No.600 East Rold Laoshan District Qingdao City Shandong Province.
Emergency Telephone	+86 13061165088 +852 55168998
Fax	+86 18560967831
E-Mail	info@sinogold.tech

Section 2- Composition Information

Chemical Composition	Chemical Formula	CAS No.	Weight(%)
1,3,5-triazine-2,4,6(1H,3H,5H)-trione, trisodium salt	$C_3N_3Na_3O_3$	3047-33-4	>70
Sodium carbonate	Na_2CO_3	497-19-8	<20
Trisodium citrate dihydrate	$C_6H_5Na_3O_7$	68-04-2	<7
Sodium sulfate	Na_2SO_4	7757-82-6	<3

Section 3- Hazards Identification

Emergency overview	Not available
Classification according to GHS	Not a GHS hazardous material
Label elements:	
Hazard pictogram(s)	Not applicable
Signal word	No danger for normal use
Hazard statement(s)	Not applicable
Precautionary statement(s):	

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Prevention	Wash your face and hands thoroughly after work. Do not eat, drink or smoke while using this product. Wear protective gloves/protective clothing/eye protection/face protection.
Response	Harmful if swallowed. Causes skin irritation. Causes severe eye irritation.
Disposal	Dispose of contents/container according to local regulations.
Environmental hazards:	Dispose of contents/container according to local regulations.
Important symptoms:	Causes eye irritation.
Section 4- First Aid Measures	
Eye contact	Rinse carefully with water for a few minutes. If contact lenses are worn and can be easily removed, remove the contact lenses. Continue rinsing.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water.
Inhalation	If inhaled, move patient to fresh air.
Ingestion	Rinse mouth and prohibit induced vomiting. Seek immediate medical attention.
Section 5- Fire Fighting Measures	
Flash Point	Not data available.
Auto-Ignition Temperature	Not spontaneous combustion at room temperature.
Extinguishing Media	Use water mist, dry powder, foam or carbon dioxide fire extinguishing agent to extinguish the fire. Avoid using direct water to extinguish fires. Direct water may cause flammable liquids to splash and spread the fire.
Special Fire-Fighting Procedures	Not special combustion and explosion characteristics
Unusual Fire and Explosion Hazards	No data available.
Hazardous Combustion Products	No data available
Section 6- Accidental Release Measures	
Personal Precautions, protective equipment, And emergency procedures	Isolate the spill contaminated area and limit access; advise emergency responders to wear general operating overalls; cut off the source of the spill if possible; cover the spill with plastic sheeting to reduce dispersion; do not allow water to enter the packaging container; collect the spill with a clean shovel and place it in a clean, dry container with a loose lid and move the container away from the spill area.
Environmental Precautions	Contains spills to avoid contamination of the environment. Prevent spills from entering sewers, surface water and groundwater.

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Methods and materials for cleaning up	Small spills: Collect spilled liquid in a sealable container if possible. Absorb with sand, activated carbon or other inert material and move to a safe place. Flushing into sewers is prohibited. Large spills: Construct an embankment or dig a pit to contain the spill. Seal drainage pipes. Cover with foam to inhibit evaporation. Transfer to tanker or special collector with explosion-proof pump, recycle or transport to waste disposal site.
Section 7- Handling and Storage	
Handling	Airtight operation and enhanced ventilation; operators must be specially trained and strictly comply with operating procedures; operators are advised to wear self-absorbing filtered dust masks, chemical safety protective glasses, anti-toxicant penetration overalls and rubber gloves; avoid generating dust; avoid contact with acids; handle lightly to prevent damage to packaging and containers; equip with leak emergency handling equipment; empty containers may remain When diluting or preparing solutions, add alkali to water to avoid boiling and splashing.
Storage	Store in a cool, ventilated warehouse.
Section 8- Exposure Controls/Personal Protection	
Engineering Controls	The working place is recommended to be separated from other working places. Sealed operation to prevent leakage. Set up automatic alarm devices and accident ventilation facilities. Set up emergency evacuation routes and necessary dipping hazard areas. Provide safety showers and eye wash facilities.
Personal Protective Equipment	Respiratory protection: Wear a filtered gas mask (half mask) when the concentration in the air exceeds the standard. Hand protection: Wear rubber oil-resistant gloves. Eye protection: Wear chemical safety eye protection.
Other protective equipment	No relevant information.
Hygiene measures	No eating, drinking or smoking in the work area.
Section 9- Physical and Chemical Properties	
Form	<i>Solid powder</i>
Color	<i>Off-white</i>
Odour	<i>Odorless</i>
pH	<i>Not available</i>
Melting point/freezing point	1535℃
Boiling Point and Boiling range	1496℃

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Flash Point	Not available
Upper/lower flammability or explosive limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Relative density	Not available
Solubility in Water	100% soluble in water
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Evaporation rate	Not available
Flammability (soil, gas)	Not available
Viscosity	Not available
Other information	Not available
Section 10- Stability and reactivity	
Stability	The product is stable when stored and used at normal ambient temperature.
Conditions to Avoid	Electrostatic discharge, heat, humidity, etc.
Incompatible Materials	Strong oxides, strong acids, strong bases.
Hazardous Decomposition Products	Not available
Possibility of Hazardous Reaction	Not available
Section 11 – Toxicological Information	
Irritation	Eye irritation
Sensitization	Not available
Neurological Effects	Not available
Teratogenicity	Not available
Reproductive Toxicity	Not available



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Mutagenicity Effects)	(Genetic	Not available
Toxicologically Synergistic Materials		Not available
Section 12- Ecological Information		
Ecological Toxicity		Not available
Mobility in soil		Not available
Persistence and Degradability		Not available
Bioaccumulation potential		Not available
Other Adverse Effects		Not available
Section 13- Disposal Considerations		
Product disposal recommendation		Recycle as much as possible. If recycling is not possible, incineration is used for disposal. Do not dispose of this product by discharging to the sewer.
Packaging disposal recommendation		Return the container to the manufacturer or dispose of it in accordance with national and local regulations.
Disposal Notes 废弃注意事项		Refer to national and local regulations prior to disposal. See Section 8 for safety precautions for disposal personnel.
Section 14 – Transport Information		
Shipping label		Not available
UN Number		Not available
Transport hazard class(es)		Non-Hazardous Goods
Packing group		Not available
Packaging method		Not available
Marine pollutant		Not available
UN Proper shipping name		Not available
Shipping Note		It should be secured with strong packaging during transportation to ensure that the goods do not tilt, fall and break, and to prevent them from collapsing and getting wet by rain.
Shipping Method		Air, sea, rail, road.
Section 15- Regulatory information		



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Law information

《Dangerous Goods Regulations》
《Recommendation on the Transport of Dangerous Goods Model Regulations》
《International Maritime Dangerous Goods》
《Technical Instructions for the Safe Transport of Dangerous Goods》
《Classification and code of dangerous Goods》
《Occupational Safety and Health Act》(OSHA)
《Toxic Substance Control Act》(TSCA)
《Consumer Product Safety Act》(CPSA)
《Federal Environmental Pollution Control Act》(FEPCA)
《The Oil Pollution Act》(OPA)
《Superfund Amendments and Reauthorization Act TitleIII (302/311/312/313)》(SARA)
《Resource Conservation and Recovery Act》(RCRA)
《Safety Drinking Water Act》(CWA)
《California Proposition 65》
《Code of Federal Regulations》(CFR)
In according with all Federal, State and local laws.

Section 16- Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, TOBY makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.