

## LTS Research Laboratories, Inc. Safety Data Sheet Silicon dioxide- Zinc sulfide

1. Product and Company Identification	
Trade Name:	Zinc dioxide- Zinc sulfide
Chemical Formula:	SiO <sub>2</sub> -ZnS
Recommended Use:	Scientific research and development
Manufacturer/Supplier:	LTS Research Laboratories, Inc.
Street:	37 Ramland Road
City:	Orangeburg
State:	New York
Zip Code:	10962
Country:	USA
Tel #:	845-587-2436 / 845-lts-chem
24-Hour Emergency Contact:	800-424-9300 (US & Canada)
	+1-703-527-3887 (International)
	2. Hazards Identification
Signal Word:	Danger
Hazard Statements:	H350: May cause cancer H373: May cause damage to organs through prolonged or repeated exposure
Descention are Statements	
Precautionary Statements:	P260: Do not breathe dust/fume/gas/mist/vapours/spray
	P281: Use personal protective equipment as required P308+P313: IF exposed or concerned: Get medical advice/attention
	P314: Get Medical advice/attention if you feel unwell
	P405: Store locked up
	P405: Store locked up P501: Dispose of contents/container in accordance with
	local/regional/national/international regulations
	None
HMIS Health Ratings (0-4):	
Health:	1
Flammability:	0
Dhysical:	

livits fieatur Kaungs (0-4).	
Health:	
Flammability:	
Physical:	

1

3. Composition	
is difficult.	
ny	
s. Remove	
g	
t for	
ll protective	
on 10 for	
pecified in	
vide	
ticulate	
r for disposal.	
ore apart from	
1 1 6	
ily before	
in with	
at or below	
ıly in	

8. Exposure Controls and Personal Protection		
Permissible Exposure Limits:	0.05 mg/m <sup>3</sup> as SiO <sub>2</sub> , long-term value	
Threshold Limit Value:	$0.025 \text{ mg/m}^3$ as SiO <sub>2</sub> , long-term value	
Special Equipment:	None	
Respiratory Protection:	Dust Respirator Not required	
Protective Gloves:	Rubber gloves Not required	
Eye Protection:	Safety glasses or goggles	
Body Protection:	Protective work clothing. Wear close-toed shoes and long	
2009 11000000	sleeves/pants.	
9.1	Physical and Chemical Characteristics	
Color	Whitish	
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts	
Odor:	Odorless	
Water Solubility:	Insoluble	
Boiling Point:	N/A	
Melting Point:	N/A	
Flash Point:	N/A	
Autoignition Temperature:	N/A	
Density:	N/A	
Molecular weight:	N/A	
	10. Reactivity	
Stability:	Stable under recommended storage conditions	
Reacts With:	Oxidizing agents, acids	
Incompatible Conditions:	None None None None None	
Hazardous Decomposition Products:	Metal oxide fume, SO <sub>x</sub> , SiO	
	11. Toxicological Information	
Potential Health Effects:	Man anna imitation	
Eyes:	May cause irritation	
Skin:	May cause irritation	
Ingestion:	May cause irritation	
Inhalation:	May cause irritation	
Chronic:	N/A	
Signs & Symptoms:	N/A	
Aggravated Medical Conditions:	N/A	
Median Lethal Dose:	N/A	
Carcinogen:	IARC-1: carcinogenic to humans: sufficient evidence of	
	carcinogenicity. (SiO <sub>2</sub> ) ACGIH A2: Suspected human carcinogen: Agent is carcinogenic in experimental animals at dose levels, by routes of administration, at	
	sites, of histologic types, or by mechanisms considered relevant to worker exposure. Available epidemiologic studies are conflicting or insufficient to confirm an increased risk of cancer in exposed human (SiO <sub>2</sub> )	
	NTP-K: Known to be carcinogenic: sufficient evidence from human studies. (SiO <sub>2</sub> )	

	12. Ecological Information
Aquatic Toxicity:	Low
Persistent Bioaccumulation Toxicity:	No
Very Persistent, Very Bioaccumulative:	No
Notes:	N/A
	13. Disposal Considerations
Dispose of in accordance with local, state,	, national, and international regulations.
	14. Transportation Data
Hazardous:	Not hazardous for transportation.
Hazard Class:	N/A
Packing Group:	N/A
UN Number:	N/A
Proper Shipping Name:	N/A
	15. Regulatory Information
Sec 302 Extremely Hazardous:	No
Sec 304 Reportable Quantities:	N/A
Sec 313 Toxic Chemicals:	Yes

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised:

07/13/2015