

Material Safety Data Sheet

WESTCO ZiB

Section I. Chemical Product and Company Information

Distributed by: Western Reserve Chemical

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Product Name /TradeName	WestcoZiB
CAS #	36190-62-2
Synonyms	Zinc diisobutyldithiocarbamate
Chemical Name	Zinc,bis(bis(2-methylpropyl) carbamodithioato-s,s')
Chemical Family	dithiocarbamate
Chemical Formula	C ₁₈ H ₃₆ N ₂ S ₄ Zn
Material Uses	Vulcanizing agent for rubber and elastomers
TSCA Status	listed

Section II. Composition and Information on Ingredients

Name	CAS #	%, by weight
Zinc diisobutyldithiocarbamate	36190-60-2	100

Section III. Hazards Identification

Emergency Overview	Free flowing powder. Contact with skin and eyes may cause irritation. Inhalation or ingestion may be harmful.
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Section IV. First Aid Measures

Eye Contact	First, check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medications into victim's eyes without specific instructions from a physician. Be prepared to transport the victim after flushing eyes to a hospital if symptoms (such as redness or irritation) develop.
Skin Contact	IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas with soap and water. If symptoms such as irritation or redness develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.
Inhalation	IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport victim to a hospital.

Ingestion	DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give one or two glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth. Ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport victim to a hospital.
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Section V. Fire and Explosion Data

Flammability of the product	Not determined.	
Auto-Ignition Temperature	Not determined.	
Flash Point	Not determined.	
Flammable Limits	Not determined.	
Products of Combustion	Oxides of carbon, nitrogen, sulfur and zinc.	
Explosion Hazards in Presence of Various Substances	Not determined.	
Fire Fighting Media	SMALL FIRE	Dry chemical
	LARGE FIRE	Water spray, dry chemical

Section VI. Accidental Release Measures

Small Spill	Collect material in a container suitable for disposal according to local, state, and federal regulations
Large Spill	Collect material in a container suitable for disposal according to local, state, and federal regulations

Section VII. Handling and Storage

Storage	Store this material in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Use appropriate labels and markings.
Handling Procedures and Equipment	Wash thoroughly after handling or use especially before eating, drinking, or smoking. Avoid eye contact and repeated or prolonged skin contact.

Section VIII. Exposure Controls and Personal Protection

Engineering Controls	Use appropriate collection devices and avoid dispersing materials into air.
Personal Protection	Safety glasses, protective clothing, and gloves are recommended. Use the appropriate breathing protection only if airborne particles are generated and are likely to approach or exceed minimum concentrations.

TLV / PEL	ACGIHTWA	ACGIHSTEL	OSHA TWA	OSHA STEL
No data found.	No data found.	No data found.	No data found.	No data found.

Section IX. Chemical and Physical Properties

Appearance	White colored powder
Molecular Weight	474.146
pH (1% solution in water)	Not applicable.
Boiling / Condensation Point	Not applicable.
Melting / Sublimation Point	Not applicable
Specific Gravity(water=1)	1.24
Density	Not applicable.
Vapor Pressure	Not applicable.
Vapor Density	Not applicable.
Volatility	Not applicable.
Odor / Odor Threshold	Not applicable.
Evaporation Rate	Not applicable.
Viscosity	Not applicable.
Water / Oil Distillation	
Coefficient	Not applicable.
Solubility	Not applicable.

Section X. Stability and Reactivity Data

Stability	Stable
Instability Temperature	Not applicable.
Conditions of Instability	Not applicable.
Incompatible Materials	No data found.
Corrosivity	No data found

Section XI. Toxicological Information

Routes of Entry	Inhalation and ingestion.
Toxicity to Animals	No data found.
Special Remarks on Toxicity to Animals	No data found.
Acute Effects:	
Eye Contact	No data found. May cause slight eye irritation, nuisance dust.
Skin Contact	No data found. May cause slight irritation based on info for similar materials.
Sensitization	No data found. Not expected to cause sensitization.
Ingestion	No data found.
Inhalation	May cause slight irritation, nuisance dust.
Chronic Effects on Humans	
Carcinogenic Effects	No data found.
Mutagenic Effects	No data found.
Developmental Toxicity	No data found.

Section XII. Ecological Information

Ecotoxicity	No Ecotoxicity testing has been done on this product.
BOD5 and COD	No information available.
Products of Biodegradation	No information available
Toxicity of the Products of Biodegradation	No information available
Remarks on the Products of Biodegradation	No information available

Section XIII Disposal Considerations

Waste Information	For waste disposal purposes, this product is not known to be defined or designated as hazardous by the current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261). Incinerate or landfill wastes in a properly permitted facility in accordance with Federal, state and local regulations.
Waste Stream	No information available

Section XIV. Transport Information

US DOT	This product is not regulated for domestic and international transportation.
Remarks	None
Maritime Transportation	Not regulated.

Section XV. Other Regulatory Information

Classifications	
OSHA (USA)	Not regulated
US Federal & State	Not regulated
Remarks	None
Hazardous Material Information System (USA)	
Health Hazard2	
Fire Hazard 1	
Reactivity 0	
Other Regulatory Agencies	EINECS Not regulated, Compliant
CEPA NDSL	Not regulated
Canadian NPRI	Not regulated
Australia	Not regulated
Japan (MITI)	Not regulated
Personal Protective Equipment	Gloves, Goggles, Protective Clothing

Section XVI. Other Information

References

OSHA	29 CFR Part 1910 subpart Z
NIOSH	The Registry of Toxic Effects of Chemical Substances
IARC	Monographs
ACGIH	Threshold Values for Chemical Substances and Physical Agents in the Work Environment
NTP	Annual Report on Carcinogens
US EPA	Chemical Registry System
Canadian EPA	Domestic Substances List (DSL)

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