

Material Safety Data Sheet

WESTCO TIBTD

Section I. Chemical Product and Company Information

Distributed by: Western Reserve Chemical
4837 Darrow Road Stow, OH 44224
1-800-321-2676

Product Name /Trade Name	WESTCO TIBTD
CAS #	3064-73-1
Synonyms	Tetraisobutylthiuram disulfide
Chemical Name	Thioperoxydicarbonic diamide, tetrakis (2-methylpropyl)-thiuram
Chemical Family	
Chemical Formula	C ₁₈ H ₃₆ N ₂ S ₄
Material Uses	Elastomer accelerator and curative
TSCA Status	TSCA 8(b) listed

Section II. Composition and Information on Ingredients

Name	CAS #	%, by weight
Tetraisobutylthiuram disulfide	3064-73-1	>99

Section III. Hazards Identification

Emergency Overview Powder may cause slight eye and skin irritation

Section IV. First Aid Measures

Eye Contact	Flush eyes with water or commercial eye wash solution for 5 minutes. Consult a physician if irritation persists.
Skin Contact	Wash affected areas with soap and water, dry and apply emollient. Wash contaminated clothing before re-use. If skin irritation persists, seek medical attention.
Inhalation	Move victim to uncontaminated atmosphere. Seek prompt medical attention.
Ingestion	Do not induce vomiting. Seek prompt medical attention.

Section V. Fire and Explosion Data

Flammability of the product	No information available.
Auto-Ignition Temperature	Not determined
Flash Point	No information available.
Flammable Limits	No information available.
Products of Combustion	No information available.
Explosion Hazards in Presence of Various Substances	No information available.

Fire Fighting Media	SMALL FIRE	Dry chemical media
	LARGE FIRE	Water spray, fog, or foam.
Special Remarks on Fire Hazards	None	
Special Remarks on Explosion Hazards	None	

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. Use appropriate personal protection equipment.

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	ACGIH-TWA	ACGIH-STEL	OSHA TWA	OSHA STEL
No data available	N/A	N/A	N/A	N/A

Section IX. Chemical and Physical Properties

Appearance	Light tan to yellow powder
Molecular Weight	408.756
pH (1% solution in water)	N/A
Boiling / Condensation Point	N/A
Melting / Sublimation Point	69°C (156°F)
Specific Gravity	1.15 g/cc at 25°C (77°F)
Density	40-50 pounds per cubic foot
Vapor Pressure	No data available.
Vapor Density	No data available.
Volatility	No data available.
Odor / Odor Threshold	No data available.

Evaporation Rate	No data available.
Viscosity	No data available.
Water / Oil Distillation	
Coefficient	No data available.
Solubility	Practically insoluble in water.

Section X. Stability and Reactivity Data

Stability	Stable
Instability Temperature	No data available.
Conditions of Instability	No data available.
Incompatible Materials	May react with strong acids.
Corrosivity	No data available.
Special Remarks on Reactivity	No data available.

Section XI. Toxicological Information

Routes of Entry	No data available.								
Toxicity to Animals	No data available.								
Special Remarks on Toxicity to Animals	No data available.								
Acute Effects:									
Eye Contact	No data available. Would be expected to be slightly irritating to the eyes based on data from chemically similar materials.								
Skin Contact	No data available. Would be expected to be slightly irritating to the skin upon prolonged contact based on data from chemically similar materials.								
Sensitization	No data available. Would not be expected to be a sensitizing agent based on data from chemically similar materials.								
Ingestion	No data available. This product may result in antibuse type reactions based on findings from chemically similar products if alcohol is consumed before or after exposure.								
Inhalation	No data available. Would be expected to be slightly irritating to the nose based on data from chemically similar materials.								
Chronic Effects on Humans	<table> <tr> <td>Carcinogenic Effects</td> <td>No data available.</td> </tr> <tr> <td>Mutagenic Effects</td> <td>No data available.</td> </tr> <tr> <td>Developmental Toxicity</td> <td>No data available.</td> </tr> <tr> <td>Reproductive Toxicity</td> <td>No data available.</td> </tr> </table>	Carcinogenic Effects	No data available.	Mutagenic Effects	No data available.	Developmental Toxicity	No data available.	Reproductive Toxicity	No data available.
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Mutagenic Effects	No data available.								
Developmental Toxicity	No data available.								
Reproductive Toxicity	No data available.								

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). Incinerator 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.
Maritime Transportation	Not regulated.

Section XV. Other Regulatory Information

Classifications	OSHA (USA) US Federal & State	Not regulated Not regulated
National Fire Protection Association Hazardous Material Information System (USA) Health Hazard 1 Fire Hazard 1 Reactivity 0 Personal Protection E		
Other Regulatory Agencies	EINECS CEPA NDSL Canadian NPRI Australia Japan (MITI)	Not regulated, Compliant Not regulated Not regulated Not regulated Not regulated
Personal Protective Equipment	Gloves	

Section XVI. Other Information

References	OSHA NIOSH IARC ACGIH NTP US EPA Canadian EPA	29 CFR Part 1910 subpart Z The Registry of Toxic Effects of Chemical Substances Monographs Threshold Values for Chemical Substances and Physical Agents in the Work Environment Annual Report on Carcinogens Chemical Registry System Domestic Substances List (DSL)
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October 2003