

Revision number: 2 Revision date: 10/06/2014

1. IDENTIFICATION

Product name: Product code: 2,4-Thiazolidinedione T1990

Product use: Restrictions on use:

Company:

CI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales-US@TCIchemicals.com www.TCIchemicals.com

2. HAZARD(S) IDENTIFICATION

OSHA Haz Com: CFR 1910.1200:

Acute Toxicity - Oral [Category 4] Acute Toxicity - Dermal [Category 4] Acute Toxicity - Inhalation [Category 4]

Signal word:

Warning!

Hazard Statement(s):

Harmful if swallowed Harmful in contact with skin Harmful if inhaled

Pictogram(s) or Symbol(s):



Precautionary Statement(s): [Prevention]

[Response]

[Storage] [Disposal] Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wear protective gloves and protective clothing. Avoid breathing dusts or mists. Use only outdoors or in a well-ventilated area. If swallowed: Immediately call a poison center or doctor. Rinse mouth. If on skin: Wash with plenty of water. Call a poison center or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. None

Dispose of contents and container in accordance with US EPA guidelines for the classification and determination of hazardous waste listed in 40 CFR 261.3. (See Section 13)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Components: Percent: Substance 2,4-Thiazolidinedione >98.0%(GC)(T)

For laboratory research purposes. Not for drug or household use.

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SAFETY DATA SHEET

Emergency telephone number: Chemical Emergencies: TCI America (8:00am - 5:00pm) PST +1-503-286-7624 Transportation Emergencies: Chemtrec 24-Hour +1-800-424-9300 (U.S.A.) +1-703-527-3887 (International) Responsible department: TCI America Environmental Health Safety and Security +1- 503-286-7624

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3. COMPOSITION/INFORMATION	ON INGREDIENTS	
CAS Number:	2295-31-0	
Molecular Weight:	117.12	
Chemical Formula:	C ₃ H ₃ NO ₂ S	
4. FIRST-AID MEASURES		
Inhalation:	Call a poison center or doctor if you feel unwell. Move victim to fresh air. Give a is not breathing. Administer oxygen if breathing is difficult. Keep victim warm an symptomatically and supportively. Ensure that medical personnel are aware of take precautions to protect themselves.	nd quiet. Treat
Skin contact:	Call a poison center or doctor if you feel unwell. Remove and isolate contamina case of contact with substance, immediately flush skin with running water for at symptomatically and supportively. Ensure that medical personnel are aware of take precautions to protect themselves.	least 20 minutes. Treat
Eye contact:	If this chemical contacts the eyes, immediately wash (irrigate) the eyes with large occasionally lifting the lower and upper eyelids. If eye irritation persists get med victim to fresh air. Check for and remove any contact lenses. Keep victim warm symptomatically and supportively. Effects of exposure to substance may be del personnel are aware of the material(s) involved and take precautions to protect	ical advice/attention. Move and quiet. Treat ayed. Ensure that medical
Ingestion:	Harmful if swallowed. Call a physician or Poison Control Center immediately. D method if victim ingested the substance; give artificial respiration with the aid of with a one-way valve or other proper respiratory medical device. Loosen tight c belt or waistband. If a person vomits place them in the recovery position so that mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomati Ensure that medical personnel are aware of the material(s) involved and take p themselves.	f a pocket mask equipped lothing such as a collar, tie, t vomit will not reenter the cally and supportively.
Symptoms/effects:		
Acute: Delayed:	No data available No data available	
Immediate medical attention:	WARNING: It might be hazardous to the person providing aid to give mouth-to- the inhaled material is harmful. If breathing has stopped, perform artificial respin treatment according to the nature of the injury. Ensure that medical personnel a involved and take precautions to protect themselves.	ration. Use first aid
5. FIRE-FIGHTING MEASURES		
Suitable extinguishing media:	Dry chemical, CO_2 , sand, earth, water spray or regular foam Consult with local attempting large scale fire fighting operations.	fire authorities before
Specific hazards arising from the cher Hazardous combustion products: Other specific hazards:	nical These products include: Carbon oxides Nitrogen oxides Silicates Closed containers may explode from heat of a fire.	
Special precautions for fire-fighters: Use water spray or fog; do not use straig heated. Move containers from fire area if Special protective equipment for fire-f Wear positive pressure self-contained br	ht streams. Dike fire-control water for later disposal; do not scatter the material. Cont you can do it without risk.	d protection in fire situations
6. ACCIDENTAL RELEASE MEAS	URES	
Personal precautions:	Avoid contact with skin, eyes, and clothing. Keep people away from and upwind damaged containers or spilled material unless wearing appropriate protective c unnecessary personnel to move away. Stop leak if you can do it without risk. En	lothing (Section 8). Warn

Personal protective equipment:unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation.
Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Safety glasses. Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or
equivalent. Wear protective gloves (nitrile).
Prevent dust cloud. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the
area, and excercise caution. Do not touch damaged containers or spilled material unless wearing
appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or
confined areas; dike if needed.

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up:

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material. **Environmental precautions:**

Keep away from living quarters. Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

Precautions for safe handling:	Avoid inhalation of vapor or mist. Do not ingest. Avoid contact with skin and eyes. Avoid contact with skin. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and
	open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using dc not eat, drink, or smoke. Keep away from sources of ignition.
Conditions for safe storage:	Keep only in the original container in a cool well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods.
Storage incompatibilities:	Store away from oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: No data available

Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal protective equipment	
Respiratory protection:	Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Hand protection:	Nitrile gloves.
Eye protection:	Safety glasses.
Skin and body protection:	Lab coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form: Color: Odor: Odor threshold:	Solid Crystal - Powder White - Slightly pale reddis No data available No data available	h yellow	
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic Viscosity:	128°C (262°F) No data available No data available No data available No data available	pH: Vapor pressure: Vapor density: Dynamic Viscosity:	No data available No data available No data available No data available
Partition coefficient: n-octanol/water (log Pow)	No data available	Evaporation rate: (Butyl Acetate = 1)	No data available
Flash point: Flammability (solid, gas):	No data available No data available		No data available mits: a available a available

Solubility(ies): Water: Soluble Soluble: Ethanol

10. STABILITY AND REACTIVITY

Reactivity: Chemical Stability: Possibility of Hazardous Reactions: Conditions to avoid: Incompatible materials: Hazardous Decomposition Products: Not Available. Stable under recommended storage conditions. (See Section 7) No hazardous reactivity has been reported. Avoid excessive heat and light. Strong oxidizing agents No data available **TCI AMERICA**

11. TOXICOLOGICAL INFORMATION

RTECS Number: XJ5775000

RTECS Number: AJS775000					
Acute Toxicity: ipr-mus LD50:400 mg/kg		scu-mus LD50:3	35 mg/kg		
Skin corrosion/irritation: No data available					
Serious eye damage/irritation: No data available					
Respiratory or skin sensitization: No data available					
Germ cell mutagenicity: No data available					
Carcinogenicity:					
No data available					
IARC: No data available	NTP:	No data available	OSHA:	No data available	
Reproductive toxicity: No data available					
Overexposure may result in serious illne Potential Health Effects: No specific information available; skin a Target organ(s): 12. ECOLOGICAL INFORMATION	nd eye contact may resu No data available	llt in irriatation. May be harm	ful if inhaled or ingeste	d.	
Ecotoxicity					
Fish:	No data available No data available				
Crustacea: Algae:	No data available				
Persistence and degradability: Bioaccumulative potential (BCF): Mobillity in soil: Destities coefficients	No data available No data available No data available No data available				
Partition coefficient: n-octanol/water (log Pow)	NU Uala available				
Soil adsorption (Koc):	No data available				
Henry's Law: constant (PaM³/mol)	No data available				
13. DISPOSAL CONSIDERATION		a if a secile la la in the second		make with Fadaval Otata and I	
Disposal of product:	rules and regulation chemical incineration assistance but dour regulatory complia Waste are listed in water ways, or the	ons. You may be able to disso or equipped with an afterburr es not replace these laws, no ance according to the law. US or 40 CFR Parts 261. The proc e soil.	blve or mix material wit ner and scrubber syste r does compliance in a EPA guidelines for Ida duct should not be allo	mply with Federal, State and L h a combustible solvent and bu m. This section is intended to p ccordance with this section en- entification and Listing of Hazar wed to enter the environment, o	urn in a provide sure rdous
Disposal of container:		sed product. Do not re-use e			
Other considerations:					

Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

Other considerations:

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14. TRANSPORT INFORMATION	
DOT (US)	Non-hazardous for transportation.
ΙΑΤΑ	Non-hazardous for transportation.
IMDG	Non-hazardous for transportation.

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.):

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

US Federal Regulations

CERCLA Hazardous substance	and Reportable Quantity:
SARA 313:	Not Listed
SARA 302:	Not Listed

State Regulations

State Right-to-Know

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Proposition 65:	Not Listed

Other Information

NFPA Rating:		HMIS Classification:	
Health:	0	Health:	0
Flammability:	0	Flammability:	0
Instability:	0	Physical:	0
International Inve	ntories		

WHMIS hazard class: EC-No:

D2A: Materials causing other toxic effects. (Very Toxic) 218-941-2

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16. OTHER INFORMATION

Revision date: 10/06/2014

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TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.