

Material Safety Data Sheet

RISK PHRASES Flammable material; avoid heat and sources of ignition. The health risks of this compound have not been fully determined. Exposure may cause irritation of the skin, eyes, and respiratory system.



(T0142)

Section I. C	Chemical Produ	uct and Co	mnanv Ide	ntificat	ion			
Chemical Name					1011			
Chemieur : unit	2,2,3,3-T	ellamen	Πγιραιαι		Supplier			
Catalog Number	T0142	T0142				TCI America 9211 N. Harborgate St.		
Synonym	Hexamethyletha	ne				Portland OR 1-800-423-8616		
Chemical Formula	(CH ₃) ₃ CC(CH ₃) ₃							
CAS Number	594-82-1	594-82-1			In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International)		
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	Composition a	1	1	<u> </u>				
Chemical Name 2,2,3,3-Tetramethylbutane		CAS Number 594-82-1	Percent (%) Min. 99.0 (GC)	Not available	TLV/PEL Toxicology Date t available. Not available.			
Section III.	Hazards Identii	fication		1				
Acute Health Effects	No specific informative exposure to any ch	No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.						
Chronic Health Effects	MUTAGENIC EFFI TERATOGENIC EI DEVELOPMENTA There is no known	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITYNot available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.						
Section IV. F	First Aid Measu	ıres						
Eye Contact		Check for and remove any contact lenses. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. Treat symptomatically and supportively.						
Skin Contact	running water and irritated skin with a	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.						
Inhalation	breathing is diffice	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform artificial respiration. Seek medical attention. Treat symptomatically and supportively.						
Ingestion	Loosen tight clothir Examine the lips a was ingested; the a	INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, administer artificial respiration. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.						
Section V.	Fire and Explos	sion Data						
Flammability	Flammable.		A	uto-Ignition	Not a	available.		
Flash Points	4°C (39.2°F).		– Flar	mmable Limi	its Not a	available.		
Combustion Products	These products are	These products are toxic carbon oxides (CO, CO ₂).						
Fire Hazards	Flammable. Forms	Flammable. Forms explosive mixtures in air.						
Explosion Hazards Fire Fighting Media	Risks of explosion of	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No additional information is available regarding the risks of explosion.						
and Instructions			F			< (800) 424 0200		

Emergency phone number (800) 424-9300

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	Flammable solid. SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Consult with local fire authorities before attempting large scale fire-fighting operations.					
Section VI.	Accidental Release Measu	res				
Spill Cleanup Instructions	Flammable solid. Stop leak if without risk. DO NOT touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Consult federal, state, and/or local authorities for assistance on disposal.					
Section VII.	Handling and Storage					
Handling and Storage Information	FLAMMABLE. Keep away from heat and sources of ignition. Mechanical exhaust required. Avoid excessive heat and light. DO NOT breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Treat symptomatically and supportively. Avoid contact with skin and eyes. Always store away from incompatible compounds such as oxidizing agents.					
Section VIII.	Exposure Controls/Person	al Protection				
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.					
Personal Protection	Splash goggles. Lab coat. Dust respirator. Boots. Gloves. A MSHA/NIOSH approved respirator must be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.					
Exposure Limits	Not available.					
Section IX.	Physical and Chemical Pro	perties				
Physical state @ 20°C	White crystals.	Solubility	Not available.			
Specific Gravity	Not available.	_				
Molecular Weight	114.23	Partition Coefficient	Not available.			
Boiling Point	106 to 107°C	Vapor Pressure	Not available.			
Melting Point	99 to 101°C	Vapor Density	Not available.			
Refractive Index	Not available.	Volatility	Not available.			
Critical Temperature	Not available.	Odor	Not available.			
Viscosity	Not available.	Taste	Not available.			
Section X.	Stability and Reactivity Dat	ta				
Stability	This material is stable if stored under proper conditions. (See Section VII for instructions)					
Conditions of Instability	Avoid excessive heat and light.					
Incompatibilities	Reactive with strong oxidizing agents.					
Section XI.	Toxicological Information					
RTECS Number	Not available.					
Routes of Exposure	Eye contact. Inhalation. Ingestion.					
Toxicity Data	Not available.					
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITYNot available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.					
Acute Toxic Effects	No specific information is available in our data base regarding the toxic effects of this material for humans. However exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful ir inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.					

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Section XII. Ecological Information Not available. Ecotoxicity Not available. Environmental Fate Section XIII. **Disposal Considerations** Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with Waste Disposal a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of this substance Section XIV. Transport Information DOT Classification DOT CLASS 4.1: Flammable solid. UN1325 PIN Number Proper Shipping Name Flammable solids, organic, n.o.s. Packing Group (PG) Ш DOT Pictograms

Section XV. Other Regulatory Information and Pictograms TSCA Chemical Inventory This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list: (EPA) (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet. WHMIS Classification WHMIS CLASS B-4: Flammable solid. (Canada) EINECS Number (EEC) 209-855-6 EEC Risk Statements R11- Highly flammable. Japanese Regulatory Data Not available.

Section XVI. Other Information

Version 1.0 Validated on 3/23/1998. Printed 3/11/2005.

Notice to Reader

TCI laboratory 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 subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained hereim. 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 MSDS sheets 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 MSDS sheets 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, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

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