

Material Safety Data Sheet

D2153

		Material Safety Data Shee							
HAZARD WARNIN		RIS	PROTECTIVE CLOTHING						
	Combustible	Combustible material; avoid heat and sources of ignition.							
Section I. (Chemical Produ	uct and Cor	npany Ide	ntificatio	on				
Chemical Name	3,3-Dime	ethyl-4-po	entenoi	c Acid	Methy	vl Ester			
Catalog Number	D2153	9211 N. Harbo Methyl 3,3-dimethyl-4-pentenoate 1-800-423-861				TCI America 9211 N. Harborgate St.			
Synonym	Methyl 3,3-dime								
Chemical Formula	CH ₂ :CHC(CH ₃) ₂								
CAS Number	63721-05-1	3721-05-1			In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (Internationa			
• · · · · ·									
	Composition a			-					
Chemical Name 3,3-Dimethyl-4-pentenoic Acid Methyl Ester		CAS Number 63721-05-1	Percent (%) Min. 96.0 (GC)	Not available	LV/PEL e.	Toxicology Data Not available.			
Section III.	Hazards Identi	fication		1					
Acute Health Effects Chronic Health Effects	exposure to any c inhaled or ingeste this compound. CARCINOGENIC I MUTAGENIC EFF TERATOGENIC E DEVELOPMENTA	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 inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handlin this compound. CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.							
Section IV.	First Aid Measu	ures							
Eye Contact		Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least minutes. Get medical attention.							
Skin Contact	In case of contact before reuse. The	, immediately flush proughly clean shoe	skin with plenty es before reuse.	of water. Rer Get medical a	emove contaminated clothing and shoes. Wash clothi				
Inhalation		If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt of waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do no improve.							
Ingestion	Loosen tight cloti resuscitation. Ex	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, perform mouth-to-mouth resuscitation. 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.							
Section V.	Fire and Explos	sion Data							
Flammability	Combustible.			Auto-Ignition		Not available.			
Flash Points	41℃ (105.8°F).	41℃ (105.8°F).			mits Not available.				
Combustion Products	These products ar	These products are toxic carbon oxides (CO, CO ₂).							
Fire Hazards	Not available.								
Explosion Hazards		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.							
Fire Fighting Media and Instructions	LARGE FIRE: Us	e DRY chemical po e alcohol foam, wa	ater spray or fog.			vith water jet in order to prevent press opting large scale fire-fighting operation			

D2153	3,3-Dimethyl-	4-pentenoic Acid M	ethyl Ester	Page				
Section VI.	Accidental Release Measures	5						
Spill Cleanup Instructions	Combustible material. Keep away from heat. Mechanical exhaust required. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Consult federal, state, and/or local authorities for assistance on disposal.							
Section VII.	Handling and Storage							
Handling and Storage Information	COMBUSTIBLE LIQUID. Keep away from heat. Mechanical exhaust required. Avoid excessive heat and light. Do not breathe gas/fumes/ vapor/spray. Always store away from incompatible compounds such as oxidizing agents.							
Section VIII.	Exposure Controls/Personal	Protection						
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location.							
Personal Protection	Splash goggles. Lab coat. Vapor respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. Be sure to use a MSHA/NIOSH approved respirator or equivalent.							
Exposure Limits	Not available.							
Section IX.	Physical and Chemical Prope	erties						
Physical state @ 20°C	Liquid. (Colorless Clear.)	Solubility	Not available.					
Specific Gravity	0.91 (water=1)							
Molecular Weight	142.2	Partition Coefficient	Not available.					
Boiling Point	59℃ (138.2℉) @ 33 mmHg	Vapor Pressure	Not available.					
Melting Point	Not available.	Vapor Density	Not available.					
Refractive Index	1.423	Volatility	Not available.					
Critical Temperature	Not available.	Odor	Not available.					
Viscosity	Not available.	Taste	Not available.					
Section X.	Stability and Reactivity Data							
Stability	This material is stable if stored under prop	er conditions. (See Section VII f	or 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. Ingestion. Inhalation.							
Toxicity Data	Not available.							
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not availabl MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available DEVELOPMENTAL TOXICITY: Not availabl Repeated or prolonged exposure to this co	Ie.	ate existing medical conditions.					
Acute Toxic Effects	No specific information is available in ou exposure to any chemical should be kept inhaled or ingested. Always follow safe in this compound.	r data base regarding the toxic to a minimum. Skin and eye co	effects of this material for humans. Intact may result in irritation. May b	e harmful				

D2153

3,3-Dimethyl-4-pentenoic Acid Methyl Ester

Page 3

Section XII.	Ecological Information
Ecotoxicity	Not available.
Environmental Fate	Not available.
Section XIII.	Disposal Considerations
Waste Disposal	Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe al federal, state and local regulations when disposing of the substance.
Section XIV.	Transport Information
DOT Classification	DOT Class 3: Flammable liquid.
PIN Number	UN3272
Proper Shipping Name	Esters, n.o.s.
Packing Group (PG)	111
DOT Pictograms	
	v

Section XVI. Other Information

Version 1.0 Validated on 3/26/2007. Printed 3/26/2007.

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 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 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.

Printed 3/26/2007.