

Material Safety Data Sheet

HAZARD WARNINGS		RISI	PROTECTIVE CLOTHING				
	Corrosive to eyes and skin on contact. Moisture sensitive material. Store under inert gas.						
Section I. Ch	emical Produ	ict and Coi	mpany Ide	entificat	ion		
Chemical Name	(R)-3-(Ac	etylthio)	isobuty	vryl Ch	nloride		
Catalog Number	A1620	620				TCI America 9211 N. Harborgate St. Portland OR 1-800-423-8616	
Synonym	3-oxopropyl] este (R)-3-(Acetylthio (R)-S-[2-(Chloro	thanethioic acid, S-[(2R)-3-chloro-2-methyl- oxopropyl] ester (CA INDEX NAME); {}-3-(Acetylthio)-2-methylpropionyl Chloride; {}-S-[2-(Chloroformyl)propyl] Thioacetate; hioacetic Acid (R)-S-[2-(Chloroformyl)propyl] Ester					
Chemical Formula	C ₆ H ₉ ClO ₂ S	C ₆ H ₉ ClO ₂ S					
CAS Number	74345-73-6				In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International)	
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	mposition a			1		T 1 D (
Chemical Nan (R)-3-(Acetylthio)isobuty		CAS Number 74345-73-6	Percent (%) Min. 98.0 (T)	Not available	TLV/PEL	Toxicology Data Not available.	
Section III. Ha	azards Identi	fication					
Acute Health Effects Chronic Health Effects	Corrosive to skin, eyes, and respiratory system. Liquid or spray mist may produce tissue damage, particularly in mucous membranes of the eyes, mouth and respiratory tract. Skin contact may produce burns. Eye contact can result in corneal damage or blindness. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Corrosive materials may cause serious injury if ingested. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound. CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or						
Section IV. Fir		e to spray mist may				equent attacks of bronchial infection.	
Eye Contact				f contact im	mediately flush	eves with plenty of water for at least 15	
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.						
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.						
Inhalation	If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not improve.						
Ingestion	DO NOT INDUCE VOMITING. 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. Fir	e and Explos	sion Data					
Flammability	•		uto-Ignition	Not a	available.		
Flash Points	Not available.	Not available. Flammable L		nmable Lim	its Not a	Not available.	
Combustion Products	These products are toxic carbon oxides (CO, CO ₂), halogenated compounds, sulfur oxides (SO _x). WARNING: Highly toxic HCl gas is produced during combustion.						
Fire Hazards	Not available.						
Explosion Hazards	Risks of explosion of Risks of explosion of Risks of explosion of the result of the re						
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. Consult with local fire authorities before attempting large scale fire-fighting operations.						

Emergency phone number (800) 424-9300

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Section VI.	Accidental Release Measure	S				
Spill Cleanup Instructions	container. DO NOT touch spilled mater	RY earth, sand or other non-cor ial. Use water spray curtain to	mbustible material. DO NOT get water insid divert vapor drift. Prevent entry into sewers n. Consult federal, state, and/or local authoritie			
Section VII.	Handling and Storage					
Handling and Storage Information	Mechanical exhaust required. When not i	in use, tightly seal the container a vapor/spray. Never add water to the show the label when possible. Tr				
Section VIII.	Exposure Controls/Personal	Protection				
Engineering Controls	Provide exhaust ventilation or other engine threshold limit value. Ensure that eyewash		e concentrations of vapors below their respectiv mal to the work-station location.			
Personal Protection	Face shield. 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 Prop	erties				
Physical state @ 20°C	Liquid. (Clear, light yellow.)	Solubility	Not available.			
Specific Gravity	1.20 (water=1)					
Molecular Weight	180.65	Partition Coefficient	Not available.			
Boiling Point	Not available.	Vapor Pressure	Not available.			
Melting Point	Not available.	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 Data					
Stability	This material is stable if stored under prope	er conditions. (See Section VII for	instructions)			
Conditions of Instability	Avoid excessive heat and light. Moisture se	ensitive. Store under inert gas.				
Incompatibilities	Reactive with oxidizing agents, alkalis (bas	es), moisture.				
Section XI.	Toxicological Information					
RTECS Number	Not available.					
Routes of Exposure	Eye Contact. Ingestion. Inhalation. Skin c	Eye Contact. Ingestion. Inhalation. Skin contact.				
Toxicity Data	Not available.					
Chronic Toxic Effects		ole. v mist may produce chronic eye ir	rritation and severe skin irritation. Repeated o			
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ological Information Not available. Not available.
Not available.
sposal Considerations
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.
ansport Information
DOT Class 8: Corrosive material
UN3265
Corrosive liquid, acidic, organic, n.o.s.
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her Regulatory Information and Pictograms
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: (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.
CLASS E: Corrosive liquid.
Not available.
R34- Causes burns.
ENCS No. 2-3420
her Information
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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 MDDs 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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