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Product name: 2-Methylitetrahydrothiophen:3-one Stock number: CAS Mumber: CAS MUMBER: <t< th=""><th>1 Identification</th><th></th></t<>	1 Identification	
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27:13:3-3 Provide Start	13679-85-1	
Identified use: SU24 Schenkle research and development All notes: All notes:	237-183-3	
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Signal word Warning Hazard statements H332 Combustioned Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P200 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P200 Weet incouncel survey for the target in the survey income and thesurvey income and the survey income and the survey incom	GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)	
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WHMUS classification B3 - Combustible liquid D1B - Toxic material causing immediate and serious toxic effects D1B - Toxic material causing immediate and serious toxic effects D1B - Toxic material causing immediate and serious toxic effects D1B - Toxic material causing immediate and serious toxic effects D1B - Toxic material causing immediate and serious toxic effects Classification system HMINS ratings (scale 0-4) (Hazardous Materials Identification System) Immediate medical advices Person Person Person Person Part of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Cher hazerds Cher hazerdsreption Scheription: 13879-85-12-Methyltetrahydrothiophen-3-one Identification number(s): E runnber: 237-183-3 4 First-aid measures After inhalation Supply resh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediate medical advice.	P403+P235 Store in a well-ventilated place. Keep cool.	
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4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.	I 3079-02-1 Z-ivietnyitetranyarotniopnen-3-one Identification_number(s):	
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After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.	Supply fresh air. If required, provide artificial respiration. Keep patient warm.	
Seek immédiate medical advice.	After skin contact	
(Contd. on page 2) USA	Seek immediate medical advice.	(Control or reserved)
		(Conta. on page 2) USA

Product name: 2-Methyltetrahydrothiophen-3-one (Contd. of page 1) After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available. 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Sulfur oxides (SOx) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. **Prevention of secondary hazards:** Keep away from ignition sources. **Reference to other sections** See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: Keep ignition sources away. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters Components with limit values that require monitoring at the workplace: Not required. Additional information: No data Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Penetration time of glove material (in minutes) Not determined Eye protection: Safety glasses Body protection: Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Liauid Color: Colorless Odor: Odor threshold: Not determined Not determined. pH-value: Not determined. Change in condition Melting point/Melting range: Boiling point/Boiling range: Not determined 83-84 °C (181-183 °F) (18 mmHg) Sublimation temperature / start: Not determined

(Contd. on page 3)

Product name: 2-Methyltetrahydrothiophen-3-one

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Product name: 2-Methyltetrahydroth	iophen-3-one	
		(Contd. of page 2)
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	69 °C (156 °F) Not determined. Not determined Not determined Not determined.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits: Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not determined	
Density at 20 °C (68 °F):	1.116 g/cm³ (9.313 lbs/gal)	
Relative density ` Vapor density	Not determined. Not determined.	
Evaporation rate Solubility in / Miscibility with	Not determined.	
Water: Partition coefficient (n-octanol/water):	Not miscible or difficult to mix	
Viscosity:		
dynamic: kinematic:	Not determined. Not determined.	
Other information	No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing agen Hazardous decomposition products: Carbon monoxide and carbon dioxide Sulfur oxides (SOx)	information available.	
11 Toxicological information Information on toxicological effects		
Acute toxicity: Toxic if swallowed.	lessifietien	
LD/LC50 values that are relevant for c Oral LD50 1860 mg/kg (mouse)		
Reproductive foxicity: No effects know Specific target organ system toxicity - Specific target organ system toxicity - Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect	irritation wn. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. - repeated exposure: No effects known. - single exposure: No effects known.	
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant infor Persistence and degradability No furth Bioaccumulative potential No further re Mobility in soil No further relevant infor Additional ecological information: General notes: Do not allow material to be released to th Do not allow undiluted product or large q Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva	er relevant information available. elevant information available. mation available. ne environment without proper governmental permits. uantities to reach ground water, water course or sewage system.	
13 Disposal considerations		
Waste treatment methods Recommendation Consult state, local o Uncleaned packagings: Recommendation: Disposal must be ma	r national regulations to ensure proper disposal. ade according to official regulations.	
14 Transport information Not a hazardous material for transportati	on.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es) DOT, ADR, IMDG, IATA Class	None	
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oduct name: 2-Methyltetrahydrothiophen-3-one	
	(Contd. of pag
Packing group DOT, IMDG, IATA	None
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 a	
Transport/Additional information:	Not dangerous according to the above specifications.
DOT	
Marine Pollutant (DOT):	No
5 Regulatory information	
Safety, health and environmental regulations/legislation sp GHS label elements The product is classified and labeled in ac Hazard pictograms	necific for the substance or mixture ccordance with 29 CFR 1910 (OSHA HCS)
GHS07	
Signal word Warning	
Hazard statements	
H227 Combustible liquid. H302 Harmful if swallowed.	
Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfa	aces. No smoking
P280 Wear protective gloves/protective clothing/eve prot	tection/face protection.
P264 Wash thoroughly after handling. P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor.	r//if vou feel unwell.
P403+P235 Store in a well-ventilated place. Keep cool.	
P501 Dispose of contents/container in accordance with lo National regulations	
All components of this product are listed in the U.S. Environmer All components of this product are listed on the Canadian Dome	ntal Protection Agency Toxic Substances Control Act Chemical substance Inventory.
SARA Section 313 (specific toxic chemical listings) Substar	nce is not listed.
California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is no	at listed
Prop 65 - Developmental toxicity Substance is not listed	
Prop 65 - Developmental toxicity, female Substance is not lis Prop 65 - Developmental toxicity, male Substance is not liste	sted.
Information about limitation of use: For use only by technica	u. Ily qualified individuals.
Other regulations, limitations and prohibitive regulations	PEACH Populations (EC) No. 1007/2006 Substance is not listed
The conditions of restrictions according to Article 67 and A	nn. Ily qualified individuals. REACH Regulations (EC) No. 1907/2006. Substance is not listed. Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on
market and use must be observed. Substance is not listed.	
Annex XIV of the REACH Regulations (requiring Authorisat Chemical safety assessment: A Chemical Safety Assessment	tion for use) Substance is not listed.
Chemical safety assessment: A Chemical Safety Assessment	t has not been carried out.
	other information asthered by them and about make independent independent of a site billing of the
Employers should use this information only as a supplement to information to ensure proper use and protect the health and saf	fety of employees. This information is furnished without warranty, and any use of the product not i
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