

Product Code: Product Name: Synonyms: Relevant identified uses of Relevant identified uses:	29242 Saccharin 1-methylimidazole benzo[d]isothiazol-3(2H)-one 1,1-dioxide, 1-me					
Relevant identified uses of		thul 111 imidazalar				
		-				
Relevant identified uses:	f the substance or mixture and uses advised aga					
	: For research use only, not for human or vetering	ary use.				
Details of the Supplier of the Safety Data Sheet:						
Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108					
Web site address:	www.caymanchem.com					
Information:	Cayman Chemical Company	+1 (734)971-3335				
Emergency telephone nun	nber:					
Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887				
	Section 2. Hazards Identifica	ation				
Classification of the Subst	tance or Mixture:					
-						
GHS Signal Word:	Warning					
GHS Hazard Phrases:	-					
GHS Hazard Phrases: H302: Harmful if swallowe	ed.					
GHS Hazard Phrases: H302: Harmful if swallowe H400: Very toxic to aquati	ed. c life.					
GHS Hazard Phrases: H302: Harmful if swallowe H400: Very toxic to aquati H410: Very toxic to aquati	ed. c life. c life with long lasting effects.					
GHS Hazard Phrases: H302: Harmful if swallowe H400: Very toxic to aquati H410: Very toxic to aquati GHS Precautionary Phra	ed. c life. c life with long lasting effects. ises:					
GHS Hazard Phrases: H302: Harmful if swallowe H400: Very toxic to aquati H410: Very toxic to aquati GHS Precautionary Phra P264: Wash {hands} thore	ed. c life. c life with long lasting effects. ises: bughly after handling.					
GHS Hazard Phrases: H302: Harmful if swallowe H400: Very toxic to aquati H410: Very toxic to aquati GHS Precautionary Phra P264: Wash {hands} thoro P273: Avoid release to the	ed. c life. c life with long lasting effects. ises: bughly after handling. e environment.					
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GHS Hazard Phrases: H302: Harmful if swallowe H400: Very toxic to aquati H410: Very toxic to aquati GHS Precautionary Phra P264: Wash {hands} thoro P273: Avoid release to the GHS Response Phrases	ed. c life. c life with long lasting effects. ises: bughly after handling. e environment.	you feel unwell.				
GHS Hazard Phrases: H302: Harmful if swallowe H400: Very toxic to aquati H410: Very toxic to aquati GHS Precautionary Phra P264: Wash {hands} thoro P273: Avoid release to the GHS Response Phrases P301+312: IF SWALLOW	ed. c life. c life with long lasting effects. ases: bughly after handling. e environment.	you feel unwell.				
GHS Hazard Phrases: H302: Harmful if swallowe H400: Very toxic to aquati H410: Very toxic to aquati GHS Precautionary Phra P264: Wash {hands} thoro P273: Avoid release to the GHS Response Phrases P301+312: IF SWALLOW P330: Rinse mouth.	ed. c life. c life with long lasting effects. ases: bughly after handling. e environment. : ED: Call a POISON CENTER or doctor/physician if	you feel unwell.				
0	Information: Emergency telephone nur Emergency Contact: Classification of the Subst Acute Toxicity: Oral, Cat Aquatic Toxicity (Acute)	Web site address: www.caymanchem.com Information: Cayman Chemical Company Emergency telephone number: Emergency Contact: Emergency Contact: CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada: CHEMTREC Outside USA and Canada: Section 2. Hazards Identification Classification of the Substance or Mixture: Acute Toxicity: Oral, Category 4 Aquatic Toxicity (Acute), Category 1 Aquatic Toxicity (Chronic), Category 1 Category 1				

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	UFI:							
2.3	Advers	e Human Health	Harmful if swallowed.					
		and Symptoms:	Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation or skin absorption. May cause eye, skin, or respiratory system irritation.					
			Very toxic to aquatic life with	long lasting effects.				
			To the best of our knowledge, the toxicological properties have not been thoroughly investigated.					
		Sec	tion 3. Composition	/Information of	on Ingredie	nts		
CAS RTEC		Hazardous Com REACH Registra	ponents (Chemical Name)/	Concentration	EC No./ EC Index No.	GHS Classification		
<u> </u>	33-74-4	Saccharin 1-methyli		100.0 %	NA	Acute Tox.(O) 4: H302		
NA	55-74-4		muazole	100.0 %	NA	Aquatic (A) 1: H400		
						Aquatic (C) 1: H410		
		ļ	Section 4. Fi	rst Aid Measu	ires			
4.1	Descrip	otion of First Aid						
	Measu	res:						
	In Case	e of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.					
			Get immediate medical attention.					
	In Case	of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined					
	In Case	of Eye Contact:						
			and tested by medical personnel.					
	In Case	e of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by					
			medical personnel.					
			Section 5. Fire					
5.1		e Extinguishing	Use alcohol-resistant foam, o		, or dry chemical	spray.		
	Media:		Use water spray to cool fire-exposed containers.					
	Unsuita Media:	able Extinguishing	A solid water stream may be inefficient.					
5.2	Flamm	able Properties an	dNo data available.					
	Hazard	s:						
			No data available.					
	Flash F	Pt:	No data.					
	Explos	ive Limits:	LEL: No data.	UEL: No da	ta.			
	Autoig	nition Pt:	No data.					
5.3	Fire Fig	hting Instruction	s: As in any fire, wear self-conta	ained breathing appa	iratus pressure-d	emand (NIOSH approved or		
			equivalent), and full protectiv		-			
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		Section 6. Accidental Release Measures
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.
	Protective Equipment and	As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.
	Precautions:	
6.3		Contain spill and collect, as appropriate.
	-	Transfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1		Avoid breathing dust/fume/gas/mist/vapours/spray.
	•	Avoid prolonged or repeated exposure.
7.2		Keep container tightly closed.
	in Storing:	Store in accordance with information listed on the product insert.
	Secti	on 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	
8.2	Exposure Controls:	
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	levels below recommended exposure limits.
8.2.2	Personal protection equip	ment:
	Eye Protection:	Safety glasses
	Protective Gloves:	Compatible chemical-resistant gloves
	Other Protective Clothing:	Lab coat
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.
	(Specify Type):	
	Work/Hygienic/Maintenan	Do not take internally.
		Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.
		Wash thoroughly after handling.
		No data available.
	Se	ection 9. Physical and Chemical Properties
9.1	Information on Basic Physi	ical and Chemical Properties
	Physical States:	[]Gas []Liquid [X]Solid
	Appearance and Odor:	A solid
	pH:	No data.
	Melting Point:	No data.
	Boiling Point:	No data.
	Flash Pt:	No data.
	Evaporation Rate:	No data.
	Flammability (solid, gas):	No data available.
	Explosive Limits:	LEL: No data. UEL: No data.
	Vapor Pressure (vs. Air or	mm No data.
	Hg):	
	Vapor Density (vs. Air = 1)	: No data.
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	Specific Gravity (Water =	1).	No data.					
	Solubility in Water:	1).	No data.					
	-), 10 mag		I. Energy/mailing		F .
	Solubility Notes:		~10 mg/ml in PBS (pH 7.2); ~10 mg	g/mi in EtOF	1; ~5 mg/mi ir		F;
	Octanol/Water Partition		No data.					
	Coefficient:							
	Autoignition Pt:		No data.					
	Decomposition Temperat	ture:	No data.					
	Viscosity:		No data.					
9.2	Other Information							
-	Percent Volatile:		No data.					
	Molecular Formula & Wei	aht	C7H5NO3S • C4H6N2	265.3				
		-						
		S	Section 10. Stability	y and	Reactiv	/ity		
10.1	Reactivity:	No da	ta available.					
10.2	Stability:	Unsta	ble [] Stable [X]					
10.3	Stability Note(s):	Stable	if stored in accordance with	n informa	tion listed o	n the product	insert.	
	Polymerization:		ccur [] Will not occur [
10.4	Conditions To Avoid:		ta available.					
10.5	Incompatibility - Material	-						
	To Avoid:	-	bases					
		-	oxidizing agents					
			reducing agents					
10.6	Hazardous	No da	ta available.					
	Decomposition or							
	Byproducts:							
		Se	ection 11. Toxicolo	gical	Informa	tion		
11.1	Information on		exicological effects of this pro-	<u> </u>			udiod	
		THE LU			e not been	thoroughly st	luuleu.	
	Toxicological Effects:							
CAS	# Hazardous Com	ponent	ts (Chemical Name)		NTP	IARC	ACGIH	OSHA
4823	33-74-4 Saccharin 1-met	nylimida	izole		n.a.	n.a.	n.a.	n.a.
		C	Section 12 Ecolog	iool In	formati		ļ	
			Section 12. Ecolog		Iomali	011		
12.1	Toxicity:	Avoid	release into the environmen	nt.				
		Runof	f from fire control or dilution	water ma	ay cause po	llution.		
12.2	Persistence and	No da	ta available.					
	Degradability:							
12.3	Bioaccumulative	No da	ta available.					
	Potential:							
12.4		No do	ta availabla					
12.4	Mobility in Soil:		ta available.					
12.5	Results of PBT and vPvB	No da	ta available.					
	assessment:							
12.6	Other adverse effects:	No da	ta available.					
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		Section 13. Dispo				
13.1 Waste D	isposal Method:	Dispose in accordance with loc	al, state, and federal r	egulations.		
		Section 14. Trar	sport Informat	ion		
14.1 LAND TI	RANSPORT (US I	DOT):				
DOT Proper	r Shipping Name:	Not dangerous goods.				
DOT Hazaro	d Class:					
UN/NA Num	nber:					
14.1 LAND TI	RANSPORT (Euro	opean ADR/RID):				
ADR/RID Sh	nipping Name:	Environmentally hazardou	s substance, solid, n.o	.s. (Saccharin 1-meth	nylimidazole)	
UN Number:		3077 Packing Group: III			III	
Hazard Clas	SS:	9 - CLASS 9				
14.3 AIR TRA	NSPORT (ICAO/I	ATA):				
	Shipping Name:	Environmentally hazardou		-	nylimidazole)	
UN Number	-	3077	Packing Grou	-	III	
Hazard Clas		9 - CLASS 9	IATA Classific		9	
Additional Trar	nsport	Transport in accordance with l		-		
Information:		When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10.				
		Therefore packaging does not				
				-		
		Section 15. Regu	latory Information	lion		
EPA SARA (Su	perfund Amendn	nents and Reauthorization Act	of 1986) Lists			
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
482333-74-4	Saccharin 1-meth	nylimidazole	No	No	No	
	Hazardous Components (Chemical Name) Other US EPA or State Lists				·	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or S			
CAS # 482333-74-4	Hazardous Com Saccharin 1-meth		CAA HAP,ODC: No	o; CWA NPDES: No	; TSCA: No; CA	
482333-74-4	Saccharin 1-met	nylimidazole	CAA HAP,ODC: No PROP.65: No	p; CWA NPDES: No		
482333-74-4 Regulatory Info	Saccharin 1-met	nylimidazole This SDS was prepared in acc	CAA HAP,ODC: No PROP.65: No	p; CWA NPDES: No		
482333-74-4 Regulatory Info	Saccharin 1-met	nylimidazole This SDS was prepared in acc No.1272/2008.	CAA HAP,ODC: No PROP.65: No ordance with 29 CFR	910.1200 and Regul		
482333-74-4 Regulatory Info	Saccharin 1-met	nylimidazole This SDS was prepared in acc	CAA HAP,ODC: No PROP.65: No ordance with 29 CFR	910.1200 and Regul		
	Saccharin 1-met	nylimidazole This SDS was prepared in acc No.1272/2008.	CAA HAP,ODC: No PROP.65: No ordance with 29 CFR	910.1200 and Regul		
482333-74-4 Regulatory Info Statement: Revision Date:	Saccharin 1-meth	This SDS was prepared in acc No.1272/2008. Section 16. Ot	CAA HAP,ODC: No PROP.65: No ordance with 29 CFR	910.1200 and Regul		
482333-74-4 Regulatory Info Statement: Revision Date: Additional Infor	Saccharin 1-meth	nylimidazole This SDS was prepared in acc No.1272/2008. Section 16. Ot 01/12/2020	CAA HAP,ODC: No PROP.65: No ordance with 29 CFR	910.1200 and Regul		
482333-74-4 Regulatory Info Statement: Revision Date: Additional Infor This Product:	Saccharin 1-meth	nylimidazole This SDS was prepared in acc No.1272/2008. Section 16. Ot 01/12/2020 No data available. DISCLAIMER: This information	CAA HAP,ODC: No PROP.65: No ordance with 29 CFR 7 her Information	1910.1200 and Regul	ation (EC) the best information	
482333-74-4 Regulatory Info Statement: Revision Date: Additional Infor This Product:	Saccharin 1-meth prmation	This SDS was prepared in acc No.1272/2008. Section 16. Ot 01/12/2020 No data available. DISCLAIMER: This information currently available to us. Howe	CAA HAP,ODC: No PROP.65: No ordance with 29 CFR f her Information	p; CWA NPDES: No 1910.1200 and Regul	ation (EC) the best information y or any other warrant	
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