

1	0 1 1	Identification of the Culesteres / Misture and Cule	EC) No. 1272/2008				
1	Section 1	. Identification of the Substance/Mixture and of the	e Company/Undertaking				
1.1	Product Code: 15043						
	Product Name:		Probucol				
	Synonyms:4,4'-[(1-methylethylidene)bis(thio)]bis[2,6-bis(1,1-dimethylethyl)-phenol; DH 581;Lorelco; NSC 652160; NSC 86225;						
.2	Relevant identified uses of the substance or mixture and uses advised against: Relevant identified uses: For research use only, not for human or veterinary use.						
1.3	Details of the Supplier of the Safety Data Sheet:						
	Company Name:	Cayman Chemical Company					
		1180 E. Ellsworth Rd.					
	Web site address:	Ann Arbor, MI 48108 www.caymanchem.com					
	Information:	Cayman Chemical Company	+1 (734)971-3335				
1.4	Emergency telephon	e number:					
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300				
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887				
		Section 2. Hazards Identifica	ition				
	Labeling according GHS Signal Word:						
	GHS Hazard Phrases Based on evaluation o GHS Precaution Phra No phrases apply. GHS Response Phras No phrases apply. GHS Storage and Dis	: f currently available data this substance or mixture ases: ses: sposal Phrases:					
	GHS Hazard Phrases Based on evaluation of GHS Precaution Phra No phrases apply. GHS Response Phras No phrases apply. GHS Storage and Dis Please refer to Section	: f currently available data this substance or mixture ases: ses: posal Phrases: a 7 for Storage and Section 13 for Disposal inform					
2.2.2	GHS Hazard Phrases Based on evaluation of GHS Precaution Phra No phrases apply. GHS Response Phras No phrases apply. GHS Storage and Dis Please refer to Section	: f currently available data this substance or mixture ases: ses: sposal Phrases:					



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2.3			Material may be irritating t May be harmful by inhalat May cause eye, skin, or re To the best of our knowled investigated.	ion, ingestion, or s espiratory system i	kin absorption. rritation.			
		Sect	ion 3. Composition	/Information of	on Ingredie	nts		
CAS # / Hazardous Comp RTECS # REACH Registrat		-	oonents (Chemical Name)/ ion No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification		
	38-49-5 05000	Probucol		100.0 %	245-560-9 NA	No phrases apply. No data available.		
			Section 4. Fi	rst Aid Measu	ires			
4.1		Description of First AidNo data available. Measures:						
	In Cas	se of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.					
	In Cas Conta	se of Skin ct:	•	with soap and plenty of water for at least 15 minutes. Remove Get medical attention if symptoms occur. Wash clothing before				
	In Case of Eye Contact:		Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.					
	In Cas	se 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	Fighting Mea	asures			
5.1								
	Unsui		A solid water stream may	•				
5.2	Flamn	•	No data available.					
	Flash	Pt:	No data.					
	Explo	sive Limits:	LEL: No data. UEL: No data.					
	Autoig	gnition Pt:	No data.					
5.3		ighting ctions:	As in any fire, wear self-co approved or equivalent), a	-		ssure-demand (NIOSH contact with skin and eyes.		
			Section 6. Accider	ntal Release N	<i>Neasures</i>			
6.1	Protect and E	ctive Precautions ctive Equipment mergency dures:	s, Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).					
6.2		onmental utions:	Take steps to avoid relea	se into the environ	ment, if safe to	do so.		
6.3	For Co	ods and Material ontainment and ing Up:	Contain spill and collect, a Transfer to a chemical wa		lisposal in acco	rdance with local regulations.		
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			Section 7	. Handling an	d Storage			
'.1 '.2	Taken i Precau	autions To BeAvoid breathing dust/fume/gas/mist/vapours/spray.n in Handling:Avoid prolonged or repeated exposure.autions To BeKeep container tightly closed.n in Storing:Store in accordance with information listed on the product insert.						
		Sect	ion 8. Exposu	ire Controls/P	ersonal Protection			
3.1	Exposu	Ire Parameters:	· ·					
CAS #		Partial Chemical Name		Britain EH40	France VL	Europe		
2328	8-49-5	Probucol		No data.	No data.	No data.		
CAS #	ŧ	Partial Chemical Name		OSHA TWA	ACGIH TWA	Other Limits		
2328	8-49-5	Probucol		No data.	No data.	No data.		
8.2	Exposi	ure Controls:		Į		Į		
3.2.1	•				ering controls to			
8.2.2	Persor	nal protection e	quipment:					
		otection:	Safety glasses					
	Protect	ive Gloves:	Compatible chemic	cal-resistant gloves				
	Other P Clothin	Protective a:	Lab coat					
	Respira	Respiratory Equipment NIOSH approved respirator, as conditions warrant. (Specify Type):						
	safety shower. Wash thoroughly a			fter handling.	ial should be equipped with a	an eyewash and a		
					mical Properties			
9.1			hysical and Chem	•				
		al States:			Solid			
	••	ance and Odor:	•	e solid				
	Melting		No data.					
	Boiling Flash P		No data.					
		1.	No doto					
			No data.					
	Evapor	ation Rate:	No data.	ta	LIEL : No data			
	Evapor Explosi Vapor F	ation Rate: ive Limits: Pressure (vs. Aiı	No data. LEL: No da	ta.	UEL: No data.			
	Evapor Explosi Vapor F mm Hg	ation Rate: ive Limits: Pressure (vs. Aii):	No data. LEL: No da r or No data.	ta.	UEL: No data.			
	Evapor Explosi Vapor F mm Hg Vapor I	ation Rate: ive Limits: Pressure (vs. Air): Density (vs. Air :	No data. LEL: No da ror No data. = 1): No data.	ta.	UEL: No data.			
	Evapor Explosi Vapor F mm Hg Vapor I Specifie	ation Rate: ive Limits: Pressure (vs. Air): Density (vs. Air : c Gravity (Water	No data. LEL: No da ror No data. = 1): No data.	ta.	UEL: No data.			
	Evapor Explosi Vapor F mm Hg Vapor I Specifie Solubil	ation Rate: ive Limits: Pressure (vs. Air): Density (vs. Air :	No data. LEL: No da ror No data. = 1): No data. r = 1): No data. No data.		UEL: No data. ml in DMSO; ~30 mg/ml in D	MF;		

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9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Weight: C31H48O2S2 516.8					
		Section 10. Stability and Reactivity				
10.1	Reactivity:	No data available.				
10.2	Stability:	Unstable [] Stable [X]				
10.3	3.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert.					
	Polymerization:	Will occur [] Will not occur [X]				
10.4	Conditions To Avoid:	No data available.				
10.5	Incompatibility - Materials To Avoid:	No data available.				
10.6	Hazardous Decomposition Or Byproducts:	No data available.				
		Section 11. Toxicological Information				
11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. Probucol - Toxicity Data: Oral TDLO (woman): 3650 mg/kg/1Y (intermittent) (rat): > 5 g/kg; Oral LD50 (mouse): > 5 g/kg; Intraperitoneal LD50 (mouse): : Oral LD50 (rabbit): > 5 g/kg; Oral TDLO (rat): 17500 mg/kg; Oral TDLO (momg/kg;						
	Chronic Toxicological Effects:	Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Probucol RTECS Number: AL3705000				
Carci	nogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No				
		Section 12. Ecological Information				
12.1	Toxicity:	Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.				
		Section 13. Disposal Considerations				
13.1	Waste Disposal Method:	Dispose in accordance with local, state, and federal regulations.				
		Section 14. Transport Information				
14.1	LAND TRANSPORT (L					
D		me: Not dangerous goods.				
U	LAND TRANSPORT (E DR/RID Shipping Name: N Number: azard Class:					
14.3	AIR TRANSPORT (ICA	\O/IATA):				
IC	CAO/IATA Shipping Nam	ne: Not dangerous goods.				
	tional Transport mation:	Transport in accordance with local, state, and federal regulations.				

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	Section 15. Regu	ulatory Inform	ation			
EPA SARA (Si	uperfund Amendments and Reauthorization Act	t of 1986) Lists				
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
23288-49-5	Probucol	No	No	No		
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists				
23288-49-5	Probucol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No				
European Co	ommunity Hazard Symbol codes:					
European Co	ommunity Risk and Safety Phrases:					
S24/25	Avoid contact with skin and e	eyes.				
S37/39	Wear suitable gloves and eye	e/face protection.				
Regulatory In Statement:	formation This SDS was prepared in European Directive 67/548/		- , ,	0.1272/2008 and		
	Section 16. Of	ther Information	on			
Revision Date	e: 04/21/2014					
	formation About No data available.					
This Product						
Disclaimer:	or any other warranty, expr assume no liability resulting	DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations t determine the suitability of the information for their particular purposes.				