

Revision: 07/08/2015

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	000000000000000000000000000000000000000	Identification of the Substance/Mixture and of th				
1.1	Product Code:	17875				
	Product Name:	Pranoprofen				
	Synonyms:	.alphamethyl-5H-[1]benzopyrano[2,3-b]pyridin	ne-7-acetic acid; Y 8004; Pyranoprofen;			
1.2	Relevant identified uses of the substance or mixture and uses advised against:					
	Relevant identified uses	•				
1.3	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			
1.4	Emergency telephone nu	mber:				
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300			
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887			
		Section 2. Hazards Identifica	ation			
2.1	Classification of the Subs	Section 2. Hazards Identifica	ation			
2.1	Classification of the Subs	stance or Mixture:	ation			
2.1 2.2	Classification of the Subs Acute Toxicity: Oral, Ca Label Elements:	stance or Mixture:	ation			
	Acute Toxicity: Oral, Ca	stance or Mixture: ategory 3 Danger	ation			
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrase	stance or Mixture: ategory 3 Danger	ation			
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrase P264: Wash {hands} thor	stance or Mixture: ategory 3 Danger es: oughly after handling.	ation			
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrase P264: Wash {hands} thor GHS Response Phrases	stance or Mixture: ategory 3 Danger es: oughly after handling.				
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrase P264: Wash {hands} thor GHS Response Phrases P301+310: IF SWALLOW	stance or Mixture: ategory 3 Danger				
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrase P264: Wash {hands} thor GHS Response Phrases P301+310: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo	stance or Mixture: ategory 3 Danger	/physician.			
	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrase P264: Wash {hands} thor GHS Response Phrases P301+310: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo	stance or Mixture: ategory 3 Danger	/physician.			
2.2	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrases P264: Wash {hands} thor GHS Response Phrases P301+310: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispon Please refer to Section 7	stance or Mixture: ategory 3 Danger s: oughly after handling. s: VED: Immediately call a POISON CENTER or doctor/ psal Phrases: for Storage and Section 13 for Disposal information.	/physician.			
2.2	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrases P264: Wash {hands} thor GHS Response Phrases P301+310: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo Please refer to Section 7 Adverse Human Health	stance or Mixture: ategory 3 Danger s: oughly after handling. S: VED: Immediately call a POISON CENTER or doctor/ bsal Phrases: for Storage and Section 13 for Disposal information. Material may be irritating to the mucous membrane May be harmful by inhalation or skin absorption. May cause eye, skin, or respiratory system irritatior	/physician.			
2.2	Acute Toxicity: Oral, Ca Label Elements: GHS Signal Word: GHS Hazard Phrases: H301: Toxic if swallowed GHS Precaution Phrases P264: Wash {hands} thor GHS Response Phrases P301+310: IF SWALLOW P330: Rinse mouth. GHS Storage and Dispo Please refer to Section 7 Adverse Human Health	stance or Mixture: ategory 3 Danger	/physician. es and upper respiratory tract.			

Multi-region format



Multi-region format

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CAS	# / Hazardous Com	ponents (Chemical Name)/	Concentration	EC No./	GHS Classification			
RTEC			100.0 %	EC Index No.				
		[1]benzopyrano[2,3-b]pyridine-7-]Benzopyrano[2,3-b] nic acid; Pranopro		NA NA	Acute Tox.(O) 3: H301			
		Section 4. Fi	rst Aid Meas	ures				
.1	Description of First Aid Measures:							
	In Case of Inhalation:	Remove to fresh air. If not bre Get immediate medical attent		al respiration or gi	ve oxygen by trained personn			
	In Case of Skin Contact:	-	tely wash skin with soap and plenty of water for at least 15 minutes. Remove contamina Get medical attention if symptoms occur. Wash clothing before reuse.					
	In Case of Eye Contact:	Hold eyelids apart and flush e and tested by medical person		vater for at least 1	5 minutes. Have eyes examin			
	In Case of Ingestion:		water provided person is conscious. Never give anything by mouth to an Get medical attention. Do NOT induce vomiting unless directed to do so by					
		Section 5. Fire	Fighting Me	asures				
.1	Suitable Extinguishing	Use alcohol-resistant foam, o	carbon dioxide, wate	er, or dry chemical	spray.			
	Media:	Use water spray to cool fire-e	exposed containers					
	Unsuitable Extinguishin Media:	g A solid water stream may be	inefficient.					
.2	Flammable Properties ar Hazards:	ndNo data available.						
		No data available.						
	Flash Pt:	No data.						
	Explosive Limits:	LEL: No data.	UEL: No d	ata.				
	Autoignition Pt:	No data.						
.3	Fire Fighting Instruction	s: As in any fire, wear self-conta equivalent), and full protectiv	• • • •	•	· · ·			
		Section 6. Acciden	tal Release	Measures				
.1	Protective Precautions, Protective Equipment an Emergency Procedures:	Avoid raising and breathing d As conditions warrant, wear and appropriate personal pro	a NIOSH approved	self-contained bro	eathing apparatus, or respirate			
.2	Environmental Precautions:	Take steps to avoid release	into the environmer	nt, if safe to do so.				
.3		or Contain spill and collect, as a ngTransfer to a chemical waste		osal in accordance	with local regulations.			



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			Section 7.	Handling and	Storage				
7.1	Precautions To Be TakenAvoid breathing dust/fume/gas/mist/vapours/spray.in Handling:Avoid prolonged or repeated exposure.								
7.2	Precaut	tions To Be Taken Keep container tightly closed.							
	in Stori	ng: Stor	e in accordance v	with information listed of	on the product insert.				
		Section	8. Exposu	re Controls/Pe	rsonal Protection				
3.1	Exposu	re Parameters:							
CAS	#	Partial Chemical Nam	9	Britain EH40	France VL	Europe			
5254	49-17-4	α-Methyl-5H-[1]b b]pyridine-7-acetic acid;2-(5H-[1]Benzopyr pyridine-7-yl)propionic a	ano[2,3-b]	No data.	No data.	No data.			
CAS	#	Partial Chemical Nam	e	OSHA TWA	ACGIH TWA	Other Limits			
5254	49-17-4	α-Methyl-5H-[1]b b]pyridine-7-acetic acid;2-(5H-[1]Benzopyr pyridine-7-yl)propionic a	ano[2,3-b]	No data.	No data.	No data.			
8.2	Exposu	re Controls:		ł	I	I			
	-				ilation or other engineering o	controls to control airbor			
3.2.1	Engine	ering Controls Use	process enclosu	res, local exhaust venti	I Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control (Ventilation etc.): levels below recommended exposure limits.				
3.2.1	-	-	-						
	(Ventila	-	s below recomm						
	(Ventila Person	tion etc.): leve al protection equipmen	s below recomm						
	(Ventila Person Eye Pro	tion etc.): leve al protection equipmen otection: Safe	s below recomm	ended exposure limits.					
	(Ventila Person Eye Pro Protect	tion etc.): leve al protection equipmen otection: Safe	s below recomm t: ty glasses patible chemical-	ended exposure limits.					
	(Ventila Person Eye Pro Protect Other P	tion etc.): leve al protection equipmen otection: Safe ive Gloves: Com rotective Clothing:Lab	is below recomm t: ty glasses patible chemical- coat	ended exposure limits.					
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Percent Volatile: No data. Molecular Formula & Weight: C15H13N03 255.3 Section 10. Stability and Reactivity 10.1 Reactivity: No data available. 12.3 Stability: Unstable [] Stable [X] 13.3 Stability: Unstable [] Stable [X] 13.3 Stability Mote(s): Stable [X] Information isted on the product insert. Polymerization: Will occur [] Will not occur [X] Volata available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: To Avoid: Interpretation monoxide Byproducts: Intropretation monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rous): 503 mg/kg: Chronic Toxicological Pyranoprofen - Toxicity Data: Oral LD50 (mouse): 447 mg/kg: Intraperitoneal LD50 (mouse): 534 mg/kg: Suboutaneous LD50 (rous): 503 mg/kg: Chronic Toxicological Pyranoprofen - Toxicity Data: Oral LD50 (mouse): 503 mg/kg: Chronic Toxicological Pyranoprofen - Toxicity Data: Oral LD50 (mouse): 503 mg/kg: Chronic Toxicological Pyranoprofen - Toxicity Data: Oral LD50 (mouse): 503 mg/kg: Chronic Toxicological Pyranoprofen - Toxicity Cor complete Information		0	0 11 /11/ 1					
Solubility Notes: -0.5 mg/ml in a 1:1 solution of DMF:PBS (pH 7.2); -1 mg/ml in EtOH; -10 mg/ml in DMS(-25 mg/ml in DMF; Autoignition Pt: No data. 9.2 Other Information Percent Volatiliti: No data. Molecular Formula & Weight: C15H13N03 255.3 10.1 Reactivity: No data available. 10.2 Stability: Unstable [] Stable [X] 10.3 Stability: Unstable [] Stable [X] 10.4 Conditions To Avoid: 10.5 Incompatibility- Materials strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Using Xubcutaneous LD50 (rat): 59800 ug/k; Intrapertioneal LD50 (rat): 51200 ug/kg: Subcutaneous LD50 (rouse): 564 mg/kg; Chronic Toxicological Effects: Only select Registry of Toxic Effects of Chemical Subaces (RTECS) data is presented here. See actual entry in RTECS for complete information. 11.1 Information on Toxicological Pyranoprofen - Toxicity Data: Craul LD50 (mouse): 544 mg/kg; Chronic Toxicological Pyrenoprofen - Toxicity Data: S1500 ug/k; O		-		•				
-25 mg/ml in DMF; Autoignition Pt: No data. 9.2 Other Information Percent Volatile: No data. Molecular Formula & Weight: C15H13N03 255.3 Section 10. Stability and Reactivity 10.1 Reactivity: No data available. 10.2 Stability: Unstable [] Stable [X] 10.3 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 strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 633 mg/kg; Chronic Toxicological Pyranoprofen - Toxicity Data: Oral LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 364 mg/kg; Subcutaneous LD50 (mouse): 647 mg/kg; Intrapertioneal LD50 (mouse): 447 mg/kg; Intrapert						7 0). 1		
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Molecular Formula & Weight: C15H13NO3 255.3 Section 10. Stability and Reactivity 10.1 Reactivity: No data available. 10.2 Stability Note(s): Stability Stability Stability Note(s): Stability Note(s): 10.3 Stability Note(s): Stability Note(s): Stability Note(s): 10.4 Conditions To Avoid: No data available. Incompatibility Materials strong oxidizing agents To Avoid: To Avoid: Rection 11. Toxicological Information Information on Toxicological effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 603 mg/kg; Chronic Toxicological Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS Number: DJ3100960 CAS # Hazardous Components (Chemical Name) NTP IARC ACGH OSHA Section 12. Ecological Information 12.1 Toxicity: Avoid releas	9.2	Other Info	ormation					
Section 10. Stability and Reactivity 10.1 Reactivity: No data available. 10.2 Stability: Unstable [] Stable [X] 10.3 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 strong oxidizing agents To Avoid: Incompatibility - Materials strong oxidizing agents 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: Pranoprofen - Toxicity Data: Oral D50 (rat): 5500 Ug/k; Intraperitoneal LD50 (rat): 51200 (mouse): 354 mg/k; Intraperitoneal LD50 (mouse): 354 mg/k; Subcutaneous LD50 (mouse): 503 mg/k; Chronic Toxicological Pyranoprofen - Toxicity Data: Oral D50 torduc; Biotos Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NT I.A. n.a. n.a. <td< th=""><th></th><th>Percent</th><th>Volatile:</th><th>No data.</th><th></th><th></th><th></th><th></th></td<>		Percent	Volatile:	No data.				
10.1 Reactivity: No data available. 10.2 Stability: Unstable [] Stable [X] 10.3 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 strong oxidizing agents To Avoid: To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 51500 ug/kg; Intraperioneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Pyranoprofen - Toxicity Data: Oral LD50 (mouse): 503 mg/kg; Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH		Molecula	r Formula & Weig	ght: C15H13NO3 255.3				
10.2 Stability: Unstable [] Stability Note(s): Stability Note(s): Polymerization: Will occur [] Will not occur [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: Incompatibility - Materials strong oxidizing agents 10.6 Hazardous carbon dioxide Decomposition or carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Information on Toxicological Effects: Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (rat): 59500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 505 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Byranoprofen RTECS Number: DU3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA Section 12. Ecological Information. Pyranoprofen TECS Number: DU3100950 CAS #				Section 10. Stability an	d Reactiv	vity		
 10.3 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 strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides 11.1 Information on The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg. Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg. Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 & alipha;-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid: 2(5H-1]1Benzopyrano[2,3-b]pyridine-7-acetic acid: 2(5H-1]1Benzopyrano[2,3-b]pyridine-7-acetic acid: Pranopro 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. Degradability: 13.8 Bioaccumulative No data available. Potential: 12.4 Mobility in Soli: No data available. Assessment: 	10.1	Reactivit	у:	No data available.				
Polymerization: Will occur [] Will not occur [X] 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: Incompatibility - Materials strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 53500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rause): 503 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid: 2-(5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid: Pranopro n.a. n.a. n.a. Interview from fire control or dilution water may cause pollution. Section 12	10.2	Stability:		Unstable [] Stable [X]				
 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/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. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA acid;2; CH1]Benzopyrano[2;3-b]pyridine-7-yi)propionic acid; Pranopro Cection 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. Degradability: 12.3 Bioaccumulative No data available. Potential: 12.4 Mobility in Soil: No data available. 25.4 Mobility in Soil: No data available. 25.4 Results of PBT and vPvB No data available. 	10.3	Stability	Note(s):	Stable if stored in accordance with infor	mation listed o	on the product	insert.	
 10.5 Incompatibility - Materials strong oxidizing agents To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: niltrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (rat): 5100 ug/kg; Oral LD50 (mouse): 503 mg/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. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA sacid;2-(5H-[1]Benzopyranc](2,3-b]pyridine-7-syl)propionic acid: 2/FA1-[1]Benzopyranc](2,3-b]pyridine-7-yl)propionic acid: 2/FA1-[1]Benzopyranc](2,3-b]pyridine-7-yl)propionic 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. Degradability: 12.3 Bioaccumulative No data available. Degradability: 12.4 Mobility in Soil: No data available. 25.7 Results of PBT and vPvB No data available. 25.8 Results of PBT and vPvB 		Polymeri	zation:	Will occur [] Will not occur [X]				
To Avoid: 10.6 Hazardous carbon dioxide Decomposition or carbon monoxide Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on The toxicological effects of this product have not been thoroughly studied. Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Intraperitoneal LD50 (mouse): 533 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP Vacid: (Pranopro n.a. Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. Degradability: No data available. 2.4 Mobility in Soil: No data available. Potential:<	10.4	Conditio	ns To Avoid:	No data available.				
10.6 Hazardous carbon dioxide decomposition or syproducts: carbon monoxide nitrogen oxides 11.1 Information on Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α:-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2+(5H-[1]Benzopyrano[2,3-b]pyridine-7-acetic acid; Pranopro n.a. n.a. n.a. 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. No data available. Degradability: 12.3 Bioaccumulative No data available. No data available. 2.4 Mobility in Soil: No data available. E 2.5 Results of PBT and vPvB No data available. assessment:	10.5	Incompa	tibility - Materials	strong oxidizing agents				
Decomposition or Byproducts: carbon monoxide nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-yl)propionic acid; Pranopro n.a. n.a. Interview of the environment. Runoff from fire control or dilution water may cause pollution. LSection 12. Ecological Information 12.3 Bioaccumulative No data available. Degradability: 12.4 No data available. Defertial:		To Avoid	:					
Byproducts: nitrogen oxides Section 11. Toxicological Information 11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-(1)Benzopyrano[2,3-b]pyridine-7-acetic acid;2-(6H-(1)Benzopyrano[2,3-b]pyridine-7-yi)propionic acid; Pranopro n.a. n.a. n.a. Section 12. Ecological Information 12. Section 12. Ecological Information 12. Persistence and Degradability: No data available. Potential: 12.4 Mobility in Soil: No data available. Potential: <th>10.6</th> <th>Hazardo</th> <th>us</th> <th>carbon dioxide</th> <th></th> <th></th> <th></th> <th></th>	10.6	Hazardo	us	carbon dioxide				
Section 11. Toxicological Information The toxicological effects of this product have not been thoroughly studied. Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA \$2549-17-4 & alpha;-Methyl-SH-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-yilpropionic acid; Pranopro n.a. n.a. n.a. n.a. Interview for fire control or dilution water may cause pollution. 12. Section 12. Ecological Information Interview for fire control or dilution water may cause pollution. 12. Persistence and No data available. Degradability: 13. Bioaccumulative No data available. Potential:<		Decomp	osition or	carbon monoxide				
11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied. 11.1 Information on Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Effects: Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b]pyridine-7-yi)propionic n.a. n.a. n.a. n.a. 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. No data available. Degradability: 12.3 Bioaccumulative No data available. No data available. No data available. 12.4 Mobility in Soil: No data available. Acei available. 12.5 Results of PBT and vPvB No data available. assessment:		Byprodu	cts:	nitrogen oxides				
Toxicological Effects: Pyranoprofen - Toxicity Data: Oral LD50 (rat): 59500 ug/kg; Intraperitoneal LD50 (rat): 51200 ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid; 2-(5H-[1]Benzopyrano[2,3-b]pyridine-7-yl)propionic acid; Pranopro n.a. n.a. n.a. n.a. n.a. 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. No data available. Potential: 12.3 Bioaccumulative No data available. No data available. Potential: No data available. Image: Acid acid acid acid acid acid acid acid a				Section 11. Toxicologica	al Informa	ation		
ug/kg; Subcutaneous LD50 (rat): 51500 ug/kg; Oral LD50 (mouse): 447 mg/kg; Intraperitoneal LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-yl)propionic acid; Pranopro n.a. n.a. n.a. 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. Degradability: No data available. Degradability: 12.3 Bioaccumulative No data available. No data available. Potential: No data available. No data available. No data available. Assessment:	11.1	Informat	ion on	The toxicological effects of this product	nave not beer	thoroughly st	udied.	
LD50 (mouse): 354 mg/kg; Subcutaneous LD50 (mouse): 503 mg/kg; Chronic Toxicological Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(6H-[1]Benzopyrano[2,3-b] pyridine-7-acetic acid; Pranopro n.a. n.a. n.a. n.a. 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. No data available. Degradability: 12.3 Bioaccumulative No data available. No data available. Potential: 12.4 Mobility in Soil: No data available. Image: Action of PBT and vPvB No data available.		Toxicolo	gical Effects:	Pyranoprofen - Toxicity Data: Oral LD50	(rat): 59500	ug/kg; Intrape	ritoneal LD50 (rat): 51200
Chronic Toxicological Effects: Pyranoprofen - Investigated as a mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b]pyridine-7-yl)propionic acid; Pranopro n.a. n.a. n.a. n.a. Section 12. Ecological Information ILI Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. Potential: No data available. Potential: 12.4 Mobility in Soil: No data available. Acta available. Potential: 12.4 Mobility in Soil: No data available. ISE Results of PBT and vPvB No data available. assessment:				ug/kg; Subcutaneous LD50 (rat): 51500	ug/kg; Oral Ll	D50 (mouse):	447 mg/kg; Int	raperitoneal
Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-acetic acid; Pranopro n.a. n.a. n.a. n.a. 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. No data available. Degradability: 12.3 Bioaccumulative No data available. Potential: No data available. Image: Complete information 12.4 Mobility in Soil: No data available. Section 12. Section 12. Section 12. 12.3 Bioaccumulative No data available. Section 12. Section 12. Section 12. 12.4 Mobility in Soil: No data available. Section 12. Section 12. Section 12. 12.5 Results of PBT and vPvB No data available. Section 12. Section 12. Section 12. 12.5 Results of PBT and vPvB No data available. Section 12. Section 12. Sectio				LD50 (mouse): 354 mg/kg; Subcutaneo	us LD50 (mou	se): 503 mg/k	g;	
See actual entry in RTECS for complete information. Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-yl)propionic acid; Pranopro n.a. n.a. n.a. n.a. n.a. Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. Degradability: 12.3 Bioaccumulative No data available. No data available. Potential: 12.4 Mobility in Soil: No data available. No data available. Parand vPvB No data available. ISENSE OF PBT and vPvB No data available. Avoid available.		Chronic	Toxicological		•		•	
Pyranoprofen RTECS Number: DJ3100950 CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b] pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-yl)propionic acid; Pranopro n.a. n.a. n.a. n.a. n.a. n.a. Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. Degradability: No data available. Potential: 12.4 Mobility in Soil: No data available. No data available. 2.4 Mobility in Soil: No data available. Image: Section of PBT and vPvB No data available.		Effects:				stances (RTE	CS) data is pre	esented here.
CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA 52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-yl)propionic acid; Pranopro n.a.								
52549-17-4 α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-yl)propionic acid; Pranopro n.a. n.a. n.a. n.a. n.a. Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and No data available. Degradability: 12.3 Bioaccumulative No data available. Potential: No data available. Potential: 12.4 Mobility in Soil: No data available. assessment:								
acid;2-(5H-[1]Benzopyrano[2,3-b] pyridine-7-yl)propionic acid; Pranopro Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. Degradability: 12.3 Bioaccumulative Potential: No data available. No data available. 12.4 Mobility in Soil: No data available. No data available. 12.5 Results of PBT and vPvB No data available. No data available.						IARC	ACGIH	OSHA
acid; Pranopro Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. 12.3 Bioaccumulative Potential: No data available. 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available.	5254	19-17-4			n.a.	n.a.	n.a.	n.a.
Section 12. Ecological Information 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. Degradability: 12.3 Bioaccumulative Potential: No data available. No data available. Potential: 12.4 Mobility in Soil: No data available. No data available. assessment:				nzopyrano[2,3-b] pyridine-7-yl)propionic				
12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: No data available. 12.3 Bioaccumulative Potential: No data available. 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB assessment: No data available.								
Runoff from fire control or dilution water may cause pollution. 12.2 Persistence and Degradability: 12.3 Bioaccumulative No data available. Potential: No data available. 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. assessment: Violatia available.					Informat	ion		
12.2 Persistence and Degradability: No data available. 12.3 Bioaccumulative Potential: No data available. 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. assessment: Volta available.	12.1	Toxicity:						
Degradability: 12.3 Bioaccumulative No data available. Potential: No data available. 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. assessment: No data available.					may cause po	ollution.		
12.3 Bioaccumulative No data available. Potential: Potential: 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. assessment: No data available.	12.2			No data available.				
Potential: 12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. assessment: No data available.		Degrada	bility:					
12.4 Mobility in Soil: No data available. 12.5 Results of PBT and vPvB No data available. assessment: No data available.	12.3			No data available.				
12.5 Results of PBT and vPvB No data available. assessment:		Potential	:					
assessment:	12.4	Mobility	in Soil:	No data available.				
	12.5	Results of	of PBT and vPvB	No data available.				
12.6 Other adverse effects: No data available.		assessm	ent:					
	12.6	Other ad	verse effects:	No data available.				

Multi-region format



Revision: 07/08/2015

		Section 13. Dispos			
3.1 Waste I	Disposal Method:	Dispose in accordance with loca	I, state, and federal r	egulations.	
		Section 14. Trans	sport Informat	ion	
14.1 LAND	TRANSPORT (US	DOT):			
-	er Shipping Name	: Not dangerous goods.			
DOT Haza UN/NA Nu					
	TRANSPORT (Eur				
	Shipping Name:	Not dangerous goods.			
UN Numbe		0 0			
Hazard Cla	ass:				
14.3 AIR TR	ANSPORT (ICAO/	IATA):			
	A Shipping Name:	Not dangerous goods.			
Additional Tra	insport	Transport in accordance with loo	cal, state, and federal	regulations.	
Information:		Oration 45 D	- (- m - lu (
		Section 15. Regul	•	lion	
•		nents and Reauthorization Act o	-	0.001.00	
CAS #	_	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
52549-17-4	7-acetic acid;2-(5	6H-[1]benzopyrano[2,3-b]pyridine- 6H-[1]Benzopyrano[2,3-b] bionic acid; Pranopro	No	No	No
CAS #			Other US EPA or 9	State Lists	
52549-17-4		Apponents (Chemical Name) Other US EPA or State Lists 6H-[1]benzopyrano[2,3-b]pyridine- CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA			: No; TSCA: No; CA
		5H-[1]Benzopyrano[2,3-b] bionic acid; Pranopro	PROP.65: No		
Regulatory Inf Statement:	ormation	This SDS was prepared in accor No.1272/2008.	rdance with 29 CFR 1	910.1200 and R	egulation (EC)
statement.			er Information	 ו	
		Section 16. Oth			
Revision Date:		O7/08/2015			
Revision Date:	rmation About				
Revision Date: Additional Info Fhis Product:		07/08/2015	s believed to be accu er, we make no warra	anty of merchanta	ability or any other warrant