Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108

Printed: 08/17/2005 Revision: 08/17/2005 Supercedes Revision: 05/10/2004 Date Created: 06/27/1996

Product Code:	70260	. ,	dentification			
Product Code: Product Name:	70260 Aspirin					
Manufacturer Information	Aspirin					
Company Name:	Cayman Chemica	l Company				
Emergency Contact:	Cayman Chemica		(800)364-9897			
Information:	Cayman Chemica		(734)971-3335			
Chemical Family:	Inhibitors	u Company	(734)971-3355			
CAS Number:	50-78-2					
RTECS #:	VO0700000					
Synonyms:		nzoic acid; Acetylsa	licylic Acid			
		-	on Ingredien	te		
	-	1			Other Limits	
Hazardous Components (Chemical Name)	CAS #	Percentage	OSHA PEL		No data.	
1. Acetylsalicylic acid	50-78-2		No data.	TWA 5 mg/m3		
Hazardous Components (Chemical Name) 1. Acetylsalicylic acid	RTECS #	OSHA STEL No data.	OSHA CEIL No data.	ACGIH STEL No data.	ACGIH CEIL No data.	
				No dala.	NU Uala.	
	3. Hazaı	rds Identifica	ation			
Emergency Overview:	No data available					
Route(s) of Entry:	Inhalation? Yes	Skin? Yes Eye	s? Yes Ingestion	Yes Other: Inject	tion	
Potential Health Effects (Acute and Chronic):	California Prop. 6	55 developmental to	xin.			
	California Prop. 6	55 reproductive haza	ard.			
	Causes eye, skin,	and respiratory syst	em irritation.			
	Harmful.					
	Material may be irritating to the mucous membranes and upper respiratory tract.					
	-					
		by inhalation, ingest	ion, or skin absorpti	on.		
			ion, or skin absorpti	on.		
	May be harmful b May cause sensiti Prolonged or repe	ization. eated exposure may	cause allergic reaction	ons in certain sensitive		
	May be harmful b May cause sensiti Prolonged or repe The toxicological	ization. eated exposure may properties of this co	-	ons in certain sensitive		
LD 50/LC 50:	May be harmful b May cause sensiti Prolonged or repe	ization. eated exposure may properties of this co	cause allergic reaction	ons in certain sensitive		
LD 50/LC 50: Signs and Symptoms Of Exposure:	May be harmful b May cause sensiti Prolonged or repe The toxicological	ization. eated exposure may properties of this co ction 11.	cause allergic reaction	ons in certain sensitive		
	May be harmful b May cause sensiti Prolonged or repe The toxicological Please refer to Se No data available	ization. eated exposure may properties of this co ction 11.	cause allergic reaction	ons in certain sensitive		
	May be harmful b May cause sensiti Prolonged or repe The toxicological Please refer to Se No data available 4. First	ization. eated exposure may properties of this co ction 11. t Aid Measu	cause allergic reaction cause allergic reaction compound have not b	ons in certain sensitive	e individuals.	
Signs and Symptoms Of Exposure:	May be harmful b May cause sensiti Prolonged or repe The toxicological Please refer to Se No data available 4. First If inhaled remove	ization. eated exposure may properties of this co ction 11. t Aid Measu	cause allergic reaction compound have not b response of the second secon	ons in certain sensitive een fully evaluated.	e individuals.	
Signs and Symptoms Of Exposure:	May be harmful b May cause sensiti Prolonged or repert The toxicological Please refer to Se No data available 4. First If inhaled remove personnel. Get im	ization. eated exposure may properties of this co ction 11. Aid Measu to fresh air. If not to mediate medical att	cause allergic reaction compound have not b res preathing, give artific ention.	ons in certain sensitive een fully evaluated.	e individuals. e oxygen by traine	
Signs and Symptoms Of Exposure:	May be harmful b May cause sensiti Prolonged or reper The toxicological Please refer to Sec No data available 4. First If inhaled remove personnel. Get im If swallowed, was	ization. eated exposure may properties of this co ction 11.	cause allergic reaction ompound have not b res preathing, give artific ention. vater provided person	ons in certain sensitive een fully evaluated.	e individuals. e oxygen by traine give anything by	
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Signs and Symptoms Of Exposure:	May be harmful b May cause sensiti Prolonged or reper The toxicological Please refer to Se No data available 4. First If inhaled remover personnel. Get im If swallowed, was mouth to an unco to do so by medic In case of contact	ization. eated exposure may properties of this co ction 11. Aid Measu to fresh air. If not b mediate medical att sh out mouth with w nscious person. Get cal personnel. with eyes, hold eye	cause allergic reaction ompound have not b res preathing, give artific ention. vater provided person medical attention. E	ons in certain sensitive een fully evaluated. cial respiration or give n is conscious. Never a Do NOT induce vomiti	e individuals. e oxygen by traine give anything by ing unless directe ater. After initial	
Signs and Symptoms Of Exposure:	May be harmful b May cause sensiti Prolonged or reper The toxicological Please refer to Sec No data available 4. First If inhaled remover personnel. Get im If swallowed, was mouth to an unco to do so by medic In case of contact flushings, remover	ization. eated exposure may properties of this co ction 11.	cause allergic reaction ompound have not b res preathing, give artific ention. vater provided person medical attention. E clids apart and flush and continue flushin	ons in certain sensitive een fully evaluated. cial respiration or give n is conscious. Never ; to NOT induce vomiti	e individuals. e oxygen by traine give anything by ing unless directe ater. After initial	
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	5. Fire Fighting Measures
Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Fire Fighting Instructions:	As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH
	approved or equivalent), and full protective gear to prevent contact with skin and eyes.
Flammable Properties and Hazards:	Emits toxic fumes under fire conditions.
Extinguishing Media:	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires
	involving this material.
Unsuitable Extinguishing Media:	No data available.
6	6. Accidental Release Measures
Steps To Be Taken In Case Material Is	Wear a NIOSH/MSHA approved self-contained breathing apparatus and appropriate personal
Released Or Spilled:	protection (rubber boots, safety goggles, and heavy rubber gloves).
	Vacuum or sweep up material and place in disposal container.
	Avoid raising dust.
	After removal, ventilate contaminated area and flush thoroughly with water.
	7. Handling and Storage
Hazard Label Information:	Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation
	Wash thoroughly after handling.
Precautions To Be Taken in Handling:	Avoid breathing (dust, vapor, mist, gas).
	Avoid contact with eyes, skin, and clothing.
	Avoid prolonged or repeated exposure.
	Do not reuse this container.
	Use with adequate ventilation.
	Wash thoroughly after handling.
Precautions To Be Taken in Storing:	Keep tightly closed.
	Store at correct temperature.
8. Ex	posure Controls/Personal Protection
Protective Equipment Summary - Hazard	Eye wash station in work area Lab coat Latex disposable gloves Safety glasses Safety
Label Information:	shower in work area Vent Hood
Respiratory Equipment (Specify Type):	Government approved respirator as conditions warrant.
Eye Protection:	Safety glasses
Protective Gloves:	Latex disposable gloves
Other Protective Clothing:	Lab coat
Engineering Controls (Ventilation etc.):	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborn levels below recommended exposure limits.
Work/Hygienic/Maintenance Practices:	Do not take internally.
	Facilities storing or utilizing this material should be equipped with an eyewash facility and a
	safety shower.
	Wash thoroughly after handling.
9.	Physical and Chemical Properties
Physical States:	[] Gas [] Liquid [X] Solid
Melting Point:	138.00 C - 140.00 C
Boiling Point:	No data.
	No data.
Autoignition Pt:	
Flash Pt:	No data. Method:
•	

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Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate (vs Butyl Acetate=1):	No data.
Solubility in Water:	>2.7 mg/ml* at 25.0 C
Other Solubility Notes:	*PBS pH 7.2, sol. in EtOH, DMSO, & DMF
Percent Volatile:	No data.
Corrosion Rate:	No data.
Formula:	
	C9H8O4
Molecular Weight:	180.20
pH:	No data.
Appearance and Odor:	A crystalline solid
	10. Stability and Reactivity
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	protect from moisture
Incompatibility - Materials To Avoid:	strong acids
	strong bases
	strong oxidizing agents
Hazardous Decomposition Or Byproducts:	carbon dioxide
	carbon monoxide
Hazardous Polymerization:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous	No data available.
Polymerization:	
	11. Toxicological Information
Toxicological Information:	The toxicological effects of this compound have not been thoroughly studied.
	Oral LD50 (rat): 1700 mg/kg
	Oral LD50 (rat): 1500 mg/kg
	Oral LDLO (child): 104 mg/kg
	Oral LD50 (rat): 200 mg/kg
	Intraperitoneal LD50 (rat): 340 mg/kg
	Rectal LD50 (rat): 790 mg/kg
	Oral LD50 (mouse): 250 mg/kg
	Intraperitoneal LD50 (mouse): 167 mg/kg
	Subcutaneous LD50 (mouse): 1020 mg/kg
	Oral LD50 (dog): 700 mg/kg
	Intravenous LD50 (dog): 681 mg/kg
	Oral LD50 (rabbit): 1010 mg//kg
	Oral LD50 (guinea pig): 1075 mg/kg
	Oral LD50 (hamster): 3500 mg/kg
	Oral LD50 (mammal): 1750 mg/kg
Chronic Toxicological Effects:	
Chronic Toxicological Effects:	Oral LD50 (mammal): 1750 mg/kg
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Chronic Toxicological Effects:	 Oral LD50 (mammal): 1750 mg/kg Investigated as a teratogen, mutagen and reproductive effector. Target organ data: Effects on embryo or fetus (extra embryonic structures (e.g., placenta, umbilical cord)). Effects on embryo or fetus (fetal death). Effects on embryo or fetus (fetotoxicity (except death, e.g., stunted fetus)). Effects on embryo or fetus (other effects to embryo). Effects on fertility (other measures of fertility). Effects on fertility (pre-implantation mortality (e.g., reduction in number of implants per female: total number of implants per corpora lutea)). Effects on fertility (post-implantation mortality (e.g., dead and/or resorbed implants per total
Chronic Toxicological Effects:	 Oral LD50 (mammal): 1750 mg/kg Investigated as a teratogen, mutagen and reproductive effector. Target organ data: Effects on embryo or fetus (extra embryonic structures (e.g., placenta, umbilical cord)). Effects on embryo or fetus (fetal death). Effects on embryo or fetus (fetotoxicity (except death, e.g., stunted fetus)). Effects on embryo or fetus (other effects to embryo). Effects on fertility (other measures of fertility). Effects on fertility (pre-implantation mortality (e.g., reduction in number of implants per female: total number of implants per corpora lutea)).

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	Effects on newbo	rn (live birth index (# fetuses per litter; me	easured after birth))	
	Effects on newbo	rn (other neonatal m	easures or effects).		
	Effects on newbo	rn (other postnatal n	neasures or effects).		
	Effects on newbo	rn (stillbirth).			
	Maternal effects (menstrual cycle cha	nges or disorders).		
	Maternal effects ((other effects).			
	Maternal effects ((parturition).			
	Paternal effects (s	spermatogenesis (inc	luding genetic materia	al, sperm morpholo	gy,motility, and
	count)).				
	Paternal effects (t	estes, epididymis, sp	perm duct).		
	Specific develop	mental abnormalities	(blood and lymphatic	system (including	spleen and
	marrow)).				
	Specific develop	mental abnormalities	(body wall).		
	Specific develop	mental abnormalities	(cardiovascular (circu	ılatory) system).	
	Specific develop	mental abnormalities	(central nervous syste	em).	
	Specific develop	mental abnormalities	(craniofacial (includin	ng nose and tongue).
	Specific develop	mental abnormalities	(eye, ear).		
	Specific developm	nental abnormalities	(musculoskeletal syst	em).	
	Specific developm	nental abnormalities	(other developmental	abnormalities).	
	Specific developm	nental abnormalities	(respiratory system).		
	Only select Regis	try of Toxic Effects	of Chemical Substanc	es (RTECS) data is	presented here.
	Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.				
	-	Number: VO070000			
	T I				
Carcinogenicity/Other Information:	No data available				
		RC Monographs? N	o OSHA Regulat	ed? No	
jj-			-		
		gical Inform			
Ecological Information:	Runoff from fire	control or dilution w	ater may cause polluti	on.	
	13. Dispos	al Consider	ations		
Waste Disposal Method:	Dispose in accord	lance with local, stat	e and federal regulatio	ons.	
	14. Trans	sport Informa	ation		
LAND TRANSPORT (US DOT)		-			
DOT Proper Shipping Name:	No data available				
	Transport in acco	rdance with local. st	ate, and federal regula	tions.	
·	-				
	15. Regul	atory Inform	lation		
US EPA SARA Title III	040 #	Car 202 (5110)	C 204 D C	Co. 242 (TD)	0.00 440
Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Acetylsalicylic acid	50-78-2	No	No	No	No
US EPA CAA, CWA, TSCA	040 #				
Hazardous Components (Chemical Name)	CAS #		EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Acetylsalicylic acid	50-78-2	No	No	No	Yes
SARA (Superfund Amendments and					
Reauthorization Act of 1986) Lists:					
		-	ardous Chemical with TPQ.		
		-	bortable + Sec.302 with Repo		
Sec.313:	EPA SARA Title III S		Inventory. Note: -Cat indicat	tes a member of a chemi	cal category.
			· . · · · ·		
Sec.110:	EPA SARA 110 Super	rfund Site Priority Contarr	unant List		
	EPA SARA 110 Super	rfund Site Priority Contam	unant List		
Sec.110:	EPA SARA 110 Super	rfund Site Priority Contar	iinant List		

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5A(2):	Chemical Subject to Significant New Rules (SNURS)	
6A:	Commercial Chemical Control Rules	
8A:	Toxic Substances Subject To Information Rules on Production	
8A CAIR:	Comprehensive Assessment Information Rules - (CAIR)	
8A PAIR:	Preliminary Assessment Information Rules - (PAIR)	
8C:	Records of Allegations of Significant Adverse Reactions	
8D:	Health and Safety Data Reporting Rules	
8D TERM:	Health and Safety Data Reporting Rule Terminations	
Other Important Lists:		
CWA NPDES:	EPA Clean Water Act NPDES Permit Chemical	
CAA HAP:	EPA Clean Air Act Hazardous Air Pollutant	
CAA ODC:	EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)	
CA PROP 65:	California Proposition 65	
	10. Others lafe was atter	

16. Other Information

Company Policy or Disclaimer

For research use only, not for human or veterinary clinical use.

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 to determine the suitability of the information for their particular purposes.