

MATERIAL SAFETY DATA SHEET

15-Lipoxygenase Inhibitor 1

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

Printed: 02/19/2010
Revision: 02/16/2010

Date Created: 02/16/2010

1. Product and Company Identification

Product Code: 10010468
Product Name: 15-Lipoxygenase Inhibitor 1
Manufacturer Information
Company Name: Cayman Chemical Company
Emergency Contact: Cayman Chemical Company (800)364-9897
Information: Cayman Chemical Company (734)971-3335
Synonyms: 4-methyl-2-(4-methylpiperazinyl)pyrimido[4,5-b]benzothiazine; 15-LO Inhibitor 1;

2. Hazards Identification

Emergency Overview: California Prop. 65 carcinogen.
Harmful.
Irritant.
Target Organ(s): central nervous system, eyes, heart, kidneys, liver, skin.
The hazards identified with this product are those associated with the solvent(s).

Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection

Health Hazards (Acute and Chronic): Causes eye, skin, or respiratory system irritation.
May be fatal by inhalation or ingestion.
May be harmful by skin absorption.
May cause cancer.
Prolonged or repeated contact can result in drying of the skin which may result in skin irritation dermatitis (rash) and/or cracking.
The toxicological properties of this product have not been fully evaluated.

LD 50 / LC 50: Please refer to Section 11.

Signs and Symptoms Of Exposure: Exposure may cause: dizziness, drowsiness, headache, and vomiting.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	EC#	RTECS #
1. 15-Lipoxygenase Inhibitor 1	928853-86-5	0.5 %	NA	NA
2. Chloroform	67-66-3	99.5 %	200-663-8	FS9100000

4. First Aid Measures

Emergency and First Aid Procedures: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, 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.
In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. Fire Fighting Measures

Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

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Percent Volatile: No data.
Heat Value: No data.
Particle Size: No data.
Corrosion Rate: No data.
Formula: C16H19N5S
Molecular Weight: 313.40
pH: No data.
Appearance and Odor: No data available.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: protect from air, light, and heat
Incompatibility - Materials To Avoid: alkali metals such as sodium or potassium
aluminum or magnesium powder
dinitrogen tetroxide
fluorine
strong bases
strong oxidizing agents
Hazardous Decomposition Or Byproducts: carbon dioxide
carbon monoxide
chlorine
phosgene gas
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

: The toxicological effects of this product have not been thoroughly studied.

Chronic Toxicological Effects: Chloroform - Toxicity Data: Oral LD50 (rat): 695 mg/kg; Skin LD50 (rabbit): > 20 gm/kg; Inhalation LC50 (rat): 47,702 mg/m³ (4h); Irritation Data: Skin (rabbit) 10 mg (24h) open mild; Eye (rabbit): 20 mg (24h) moderate.
Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.
Chloroform RTECS Number: FS9100000.

Carcinogenicity/Other Information: Chloroform - IARC category 2B; NTP Carcinogen - reasonably anticipated.

Carcinogenicity: NTP? No IARC Monographs? Yes OSHA Regulated? No

12. Ecological Information

: Avoid release into the environment.
Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name Chloroform
DOT Hazard Class: 6.1
DOT Hazard Label: TOXIC
UN/NA Number: 1888
Packing Group: III

LAND TRANSPORT (European ADR/RID)
ADR/RID Proper Shipping Name Chloroform

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UN Number:	1888
Packing Group:	III
AIR TRANSPORT (ICAO/IATA)	
ICAO/IATA Proper Shipping Name	Chloroform
UN Number:	1888
Packing Group:	III
IATA Classification:	6.1
Additional Transport Information:	Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

European Community Hazard Symbol codes Xn: Harmful; T: Toxic; Carcinogenic Hazard: 3

European Community Risk and Safety Phrases

- R22 - Harmful if swallowed.
- R38 - Irritating to skin.
- R40 - Limited evidence of a carcinogenic effect.
- R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- S36/37 - Wear suitable protective clothing and gloves.

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. 15-Lipoxygenase Inhibitor 1	928853-86-5	No	No	No	No
2. Chloroform	67-66-3	Yes 10000 LB	Yes 10 LB	Yes	Yes

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	HPV/LPV
1. 15-Lipoxygenase Inhibitor 1	928853-86-5	HAP, ODC ()	No	No	
2. Chloroform	67-66-3	HAP, ODC ()	No	Inventory, 8A CAIR	

16. Other Information

Company Policy or Disclaimer

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 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.