



FASCAT (R) 8231 Catalyst

Material Safety Data Sheet

Arkema Inc.

1 PRODUCT AND COMPANY IDENTIFICATION

Functional Additives

2000 Market Street
21st Floor
Philadelphia, PA 19103-3222

EMERGENCY PHONE NUMBERS:

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 767-5089 (24Hrs)

Information Telephone Numbers	Phone Number	Available Hrs
Customer Service Number	(800) 331-7654	8:00 AM - 5:00 PM EST

Product Name FASCAT (R) 8231 Catalyst
Product Synonym(s)

Chemical Family Organotin
Chemical Formula C₃₆H₇₂O₄S₂Sn
Chemical Name See below
EPA Reg Num NA
Product Use Catalyst

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical %	OSHA
Diocetyl tin bis(2-ethylhexyl mercaptoacetate)	15571-58-1	> 98	Y

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

The components of this product are all on the TSCA Inventory list.

3 HAZARDS IDENTIFICATION

Emergency Overview

Straw-color liquid with a characteristic odor.

WARNING!

MAY CAUSE RESPIRATORY TRACT IRRITATION.

MAY CAUSE THYMUS DAMAGE AND LIVER AND KIDNEY EFFECTS BASED ON ANIMAL DATA

Potential Health Effects

Skin contact and inhalation are expected to be the primary routes of occupational exposure to this material. Based on single exposure animal tests, this material is considered to be slightly toxic if swallowed, no more than slightly toxic if absorbed through skin and slightly irritating to eyes and skin. A number of other organotin compounds have been shown to be upper respiratory tract irritants suggesting precautions against exposure to this material in the absence of specific studies on this material. The primary target organ after exposure to this material is the thymus. Exposure to higher levels may cause liver and kidney effects, and blood effects which are secondary to thymus damage.

4 FIRST AID MEASURES

IN CASE OF CONTACT, flush the area with plenty of water. Remove material from clothing. Wash clothing before reuse.

4 FIRST AID MEASURES

IF INHALED, remove to fresh air.

IF SWALLOWED, induce vomiting as directed by medical personnel. Get medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

5 FIRE FIGHTING MEASURES**Fire and Explosive Properties**

Auto-Ignition Temperature	NE		
Flash Point	>90 deg C	Flash Point Method	TCC
Flammable Limits- Upper	NE		
Lower	NE		

Extinguishing Media

Use water spray, carbon dioxide, foam or dry chemical.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Consult OSHA Standard 29 CFR § 1910.156(f) to determine required type equipment. Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Avoid breathing fumes from fire exposed material. When burned, the following hazardous products of combustion can occur: Carbon monoxide Carbon dioxide Sulfur Tin oxides

6 ACCIDENTAL RELEASE MEASURES**In Case of Spill or Leak**

Stop the leak, if possible. Ventilate the space involved. Contain, sweep up, place in container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off water and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Clean up procedures: Transfer to containers, in preparation for later disposal. Avoid generation of dusts. Remove from spill location. Flush area with water spray, collect rinsate.

7 HANDLING AND STORAGE**Handling**

Do not taste or swallow. Do not get in eyes, on skin or on clothing. Avoid breathing vapor. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage

This material is not hazardous under normal storage conditions; however, material should be stored in closed containers, in a secure area to prevent container damage and subsequent spillage.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Eye / Face Protection

Use good industrial practice to avoid eye contact.

Skin Protection

Minimize skin contamination by following good industrial hygiene practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and chemical goggles. Consult OSHA Standard (29 CFR § 1910.10 to determine required type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Airborne Exposure Guidelines for Ingredients

Exposure Limit	Value
Diocetyl tin bis(2-ethylhexyl mercaptoacetate)	
ACGIH Skin designator	-
ACGIH STEL	-Organic tin compounds, as Sn
ACGIH TWA	-Organic tin compounds, as Sn
OSHA TWA PEL	-Organic tin compounds, as Sn

-Only those components with exposure limits are printed in this section.

-Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.

-ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.

-WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor

Straw-color liquid with a characteristic odor.

pH	NE
Specific Gravity	1.07
Vapor Pressure	NE
Vapor Density	NE
Melting Point	- 39 deg C
Freezing Point	-39 deg C
Boiling Point	melts below 0 deg C
Solubility In Water	Insoluble

10 STABILITY AND REACTIVITY**Stability**

This material is chemically stable under normal and anticipated storage and handling conditions.

Hazardous Polymerization

Does not occur.

Incompatibility

Contact with strong acids or elevated temperatures may cause generation of toxic hydrogen sulfide.

Hazardous Decomposition Products

None known

11 TOXICOLOGICAL INFORMATION**Toxicological Information**

Single exposure (acute) studies indicate:

Oral - Slightly Toxic to Mice (LD50 2,010 mg/kg)

Dermal - No More Than Slightly Toxic to Rats (LD50 >2,000 mg/kg)

Eye Irritation - Slightly Irritating to Rabbits (2.3/110.0)

Skin Irritation - Slightly Irritating to Rabbits (2.2/8.0)

Increased mortality, decreased growth rates, diminished food intake, liver and kidney effects, and blood effects which are secondary to thymus damage were noted in rats fed an octyltin mixture [97% this material] for 90 days at levels of 250 ppm and above. Thymus weights were significantly decreased at the 50 ppm level and above, and treatment related pathological changes of the thymus were also noted. Slightly decreased thymus weights were noted at the 25 ppm level. The no observed toxic effect level of this material was determined to be 10 ppm. This material was reported to have no teratogenic effects when given to rats orally.

12 ECOLOGICAL INFORMATION**Ecotoxicological Information**

No data are available.

Chemical Fate Information

No data are available.

13 DISPOSAL CONSIDERATIONS**Waste Disposal**

Recover, reclaim or recycle when practical. Dispose of in an approved landfill if allowed locally. Comply with federal, state, and local regulations. Dispose of in a permitted waste management facility if incineration or landfill is not practical.



14 TRANSPORT INFORMATION

DOT Name Not regulated
DOT Technical Name
DOT Hazard Class
UN Number
DOT Packing Group PG
RQ NE

15 REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	Y	Fire	N
Delayed (Chronic) Health	Y	Reactive	N
		Sudden Release of Pressure	N

The components of this product are all on the TSCA Inventory list.

Ingredient Related Regulatory Information:

SARA Reportable Quantities

CERCLA RQ SARA TPQ

Diocetyl tin bis(2-ethylhexyl mercaptoacetate) NE

New Jersey Right to Know

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Diocetyl tin bis(2-ethylhexyl mercaptoacetate)

16 OTHER INFORMATION

Revision Information

Revision Date 02 JAN 2007 Revision Number 8
Supercedes Revision Dated 18-APR-2006

Revision Summary

The name of this business group has changed to Functional Additives.

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark

FASCAT is a registered trademark of Arkema Inc.



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Material Safety Data Sheet

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