



FASCAT (R) 8213 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) 8213 Catalyst
Product Synonym(s)
Chemical Family Organotin
Chemical Formula (C₈H₁₇)₂ Sn(C₄H₂O₄)
Chemical Name Di-n-octyltin Maleate Polymer
EPA Reg Num NA
Product Use Catalyst

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical %	OSHA
Di-n-octyltin maleate	16091-18-2	>95	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

White powder with a characteristic odor.

CAUTION!
MAY CAUSE EYE AND SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. Based on single exposure animal tests, it is considered to be slightly toxic to practically non-toxic if swallowed, practically non-irritating to skin and slightly irritating to eyes. A number of other organotin compounds have been shown to be upper respiratory tract irritants suggesting precautions against exposure.

4 FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention.

4 FIRST AID MEASURES

IF ON SKIN, immediately wash with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Thoroughly clean shoes before reuse.

IF INHALED, remove to fresh air. If breathing is difficult, get medical attention.

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	NE	Flash Point Method
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). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Irritating or toxic vapors. Avoid breathing fumes from fire exposed material.

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

Contain spill. Sweep or scoop up and remove to suitable container. 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.

7 HANDLING AND STORAGE**Handling**

Avoid breathing dust. Avoid contact with eyes, skin and clothing. 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**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.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION
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Eye / Face Protection

Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment immediately available.

Skin Protection

Natural rubber, Neoprene and Nitrile gloves should be worn when handling this material. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Respiratory Protection

Avoid breathing dust. Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, 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
Di-n-octyltin maleate	
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

White powder with a characteristic odor.

pH	NE
Specific Gravity	1.37
Vapor Pressure	NE
Vapor Density	NE
Melting Point	NE
Freezing Point	87-96 deg C
Boiling Point	90 deg C
Solubility In Water	Slight
Solubility in Other Materials	NE
Evaporation Rate	NE
Percent Volatile	NE
Molecular Weight	447
n-Octanol/Water Partition Coefficient	NE
Oil/Water Partition Coefficient	NE

10 STABILITY AND REACTIVITY

Stability

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

Hazardous Polymerization

Does not occur.

Incompatibility

Reducers. Direct sunlight causes degradation to an inorganic tin salt. Avoid elevated temperatures.

Hazardous Decomposition Products

Organic Acids

11 TOXICOLOGICAL INFORMATION

Toxicological Information

Data on this material and/or its components are summarized below.

Single exposure (acute) studies indicate:

Oral - Slightly Toxic to Practically Non-toxic to Rats (LD50 4,400-8,100 mg/kg)

Skin Irritation - Practically Non-irritating to Rabbits

Eye Irritation - Slightly Irritating to Rabbits

Di-n-octyltin maleate

Studies in animals showed no adverse effects other than changes in kidney and liver organ weights in long-term feeding studies in rats and dogs. No birth defects were noted in the offspring of rats exposed in the feed during pregnancy. No effects were noted on the ability of male or female rats to reproduce when exposed in the diet for 3-generations. No genetic changes were observed in tests using bacteria.

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 N 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

Di-n-octyltin maleate

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.

Di-n-octyltin maleate

16 OTHER INFORMATION**Revision Information**

Revision Date 02 JAN 2007

Revision Number 7

Supersedes 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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