



Factor II Inc. encourages the end user to read this document entirely and understand all sections of this SDS sheet prior to use. There is important information regarding this product. The end user is expected to follow all precautions outlined in this SDS.

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name : Silicone Foam

Product Code : A-106

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS-US Classification

Repr. 2 H361

Aquatic Chronic 3 H412

Full text of hazard classes and H-Statements: See Section 16

2.2 Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



GHS08

Warning

H361 – Suspected of damaging fertility or the unborn child.

H412 – Harmful to aquatic life with long-lasting effects

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P273 – Avoid release to the environment

P280 – Wear protective gloves, protective clothing, and eye protection.

P308+P313 – If exposed or concerned: Get medical advice/ attention.

P405 – Store locked up.

P501 – Dispose of contents/ container in accordance with local, regional, national and international regulations.

Single Word (GHS-US)

Hazard Statements (GHS-US)

Precautionary Statements (GHS-US)

2.3 Other Hazards

Other Hazards not Contributing to the classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4 Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances: Not applicable

3.2 Mixture

Name	Product Identifier	%	GHS-US Classification
Kieselguhr, Calcined*	(CAS No) 91053-39-3	< 20	STOT RE 1, H372
Octamethylcyclotetrasiloxane	(CAS No) 556-67-2	< 0.25	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 4, H410

* Kieselguhr, calcined cause damage to health by prolonged exposure through inhalation. Since this product is in a liquid form, none of these components are able to become airborne and cannot be inhaled. Thus, the hazard usually associated with kieselguhr is not applicable to this product.

Full text of H-phrases: see Section 16

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures



First-aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice {show the label where possible).
First-aid measures after inhalation	When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
First-aid measures after eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries	Suspected of damaging fertility or the unborn child.
Symptoms/injuries after inhalation	Prolonged exposure may cause irritation.
Symptoms/injuries after skin contact	Prolonged exposure may cause skin irritation.
Symptoms/injuries after eye contact	May cause slight eye irritation.
Symptoms/injuries after ingestion	Ingestion may cause adverse effects.
Chronic symptoms	Suspected of damaging fertility or the unborn child.

4.3 Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media	Water spray, dry chemical, foam, carbon dioxide.
Unsuitable Extinguishing Media	Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Special Hazards Arising From the Substance or Mixture

Fire Hazard	Not considered flammable but may burn at high temperatures.
Explosion Hazard	Product is not explosive.
Reactivity	Hazardous reactions will not occur under normal conditions.



5.3 Advice for Firefighters

Precautionary measures Fire
Firefighting Instructions
Protection During Firefighting

Exercise caution when fighting any chemical fire.
Use water spray or fog for cooling exposed containers.
Do not enter fire area without proper protective equipment,
including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures

Do not get in eyes, on skin, or on clothing. Do not breathe
vapor, mist or spray.

6.1.1 For Non-Emergency Personnel

Protective Equipment
Emergency Procedures

Use appropriate personal protective equipment (PPE).
Evacuate unnecessary personnel.

6.1.2 For Emergency responders

Protective Equipment
Emergency Procedures

Equip cleanup crew with proper protection.
Upon arrival at the scene, a first responder is expected to
recognize the presence of dangerous goods, protect oneself
and the public, secure the area, and call for the assistance
of trained personnel as soon as conditions permit. Ventilate
area.

6.2 Environmental Precautions

Prevent entry to sewers and public waters.

6.3 Methods and Materials for Containment and Cleaning UP

For Containment

Contain any spills with dikes or absorbents to prevent
migration and entry into sewers or streams.

Methods for cleaning up

Clean ups spilled material to a suitable container for
disposal. Contact competent authorities after a spill.

6.4 Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal
considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Precautions for Safe Handling

Wash hands and other exposed areas with mild
soap and water before eating, drinking or smoking
and when leaving work. Obtain special instructions



Hygiene Measures

before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do NOT breathe (vapor, mist, spray). Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures

Comply with applicable regulations.

Storage conditions

Keep container closed when not in use. Store in a dry cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials

Strong acids, strong bases, strong oxidizers.

7.3 Specific End Use(s)

For professional use only.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

Cristobalite (14464-46-1)		
USA OSHA	OSHA PEL (TWA) (mg/m ³)	0.025 mg/m ³
Quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) (mg/m ³)	50 µg/m ³

8.2 Exposure controls

Appropriate Engineering Controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed

Personal Protective Equipment

Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.





Materials for Protective
Clothing
Hand Protection
Eye and Face Protection
Skin and Body Protection
Respiratory Protection

Chemically resistant materials and fabrics.
Wear protective gloves.
Chemical safety goggles.
Wear suitable protective clothing.
If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
When using, do not eat, drink or smoke.

Other Information

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state	Liquid
Appearance	Tan
Odor	Odorless
pH	No data available
Evaporation Rate	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	>135°C (275°F)
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	Not applicable
Vapor Pressure	No data available
Relative Density	>1
Solubility	No data available
Partition Coefficient n-Octanol/Water	No data available
Viscosity	No data available

9.2 Other information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).



10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4 Conditions to Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5 Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6 Hazardous Decomposition Products

Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapors. Formaldehyde is potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 information on Toxicological Effects

Acute Toxicity : Not Classified

Quartz (14808-60-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg

Octamethylcyclotetrasiloxane (556-67-2)

LD50 oral rat	1540 mg/kg
LD50 dermal rabbit	794 µl/kg
LD50 inhalation rat	36 g/m ³ (Exposure time: 4h)

Skin Corrosion/ Irritation	Not classified.
Serious Eye damage/irritation	Not classified.
Respiratory or skin sensitization	Not classified.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified. (This product is in a liquid form; The (CAS No) 14808-60-7 (Quartz) is not bioavailable nor able to become airborne and cannot be inhaled. Thus, the hazards usually associated with (CAS No) 14808-60-7 are not applicable to this product.)

Quartz (14808-60-7)

IARC group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity (single exposure)	Not classified
Specific Target Organ Toxicity (Repeated exposure)	Not classified
Aspiration Hazard	Not classified



Symptoms/injuries after inhalation
Symptoms/Injuries after skin contact
Symptoms/Injuries after Eye contact
Symptoms/Injuries after Ingestion
Chronic Symptoms

Prolonged exposure may cause irritation.
Prolonged exposure may cause irritation.
May cause slight irritation to eyes.
Ingestion may cause adverse effects.
Suspected of damaging fertility or the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology – General Not Classified.

Octamethylcyclotetrasiloxane (556-67-2)

LC50 Fish	> 22 µg/l
NOEC Chronic Fish	0.004 mg/l

12.2 Persistence and Degradability

A-106 Part A

Persistence and Degradability	Not Established.
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12.3 Bioaccumulative Potential

A-106 Part A

Bioaccumulative Potential	Not Established.
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Octamethylcyclotetrasiloxane (556-67-2)

BCF Fish 1	12400
Log Pow	5.1

12.4 Mobility in Soil

No additional information available.

12.5 Other Adverse Effects

Other Information Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Recommendations	Dispose of contents/ container in accordance with local regional, national and international regulations.
Additional Information	Container may remain hazardous when empty. Continue to observe all precautions.
Ecology – Waste Materials	Avoid release to the environment.



SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on a number of variables that may or may not have known at the time the SDS was issued.

14.1 In Accordance with DOT Not regulated for transport.

14.2 In Accordance with IMDG Not regulated for transport.

14.3 In Accordance with IATA Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substance Control Act (TSCA) Inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

R-2370 Part A

SARA Section 311/312 Hazard Classes	Health Hazard – Reproductive toxicity
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15.2 US State Regulation

Silica, Crystalline (general form)(Not Applicable)

U.S. – California – Proposition 65 – Carcinogens list	WARNING: This product contains chemicals known to the State of California to cause cancer.
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Quartz (14808-60-7)

- U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
- U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
- U.S. - Idaho - Occupational Exposure Limits - Mineral Dusts
- U.S. - Illinois - Toxic Air Contaminant Carcinogens
- U.S. - Illinois - Toxic Air Contaminants
- U.S. - Maine - Chemicals of High Concern
- RTK - U.S. - Massachusetts - Right To Know List
- U.S. - Michigan - Occupational Exposure Limits - TWAs
- U.S. - Minnesota - Chemicals of High Concern
- U.S. - Minnesota - Hazardous Substance List
- U.S. - Minnesota - Permissible Exposure Limits - TWAs
- U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
- U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
- RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - New Jersey - Special Health Hazards Substances List
- U.S. - New York - Occupational Exposure Limits - Mineral Dusts
- U.S. - New York - Occupational Exposure Limits - TWAs
- U.S. - Oregon - Permissible Exposure Limits - Mineral Dusts
- U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups
- RTK - U.S. - Pennsylvania - RTK (Right to Know) List
- U.S. - Tennessee - Occupational Exposure Limits - TWAs
- U.S. - Texas - Effects Screening Levels - Long Term
- U.S. - Texas - Effects Screening Levels - Short Term
- U.S. - Vermont - Permissible Exposure Limits - TWAs
- U.S. - Washington - Permissible Exposure Limits - STELs
- U.S. - Washington - Permissible Exposure Limits - TWAs

Silica, crystalline (general form) (Not Applicable)

- U.S. - Illinois - Toxic Air Contaminant Carcinogens
- U.S. - Maine - Chemicals of High Concern
- U.S. - Massachusetts - Toxics Use Reduction Act
- U.S. - Minnesota - Chemicals of High Concern
- U.S. - New York - Priority Chemical Avoidance List

Octamethylcyclotetrasiloxane (556-67-2)

- U.S. - Maine - Chemicals of High Concern
- U.S. - Minnesota - Chemicals of High Concern
- U.S. - Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins
- U.S. - Oregon - Priority Persistent Pollutant - Tier I - Persistent Pollutants
- U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups
- U.S. - Texas - Effects Screening Levels - Long Term
- U.S. - Texas - Effects Screening Levels - Short Term



SECTION 16: OTHER INFORMATION

Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard Category 3
Flam. Liq. 3	Flammable liquids Category 2
Repr. 2	Reproductive toxicity Category 2
STOT RE 1	Specific target organ toxicity (repeat exposure) Category 1
H226	Flammable liquid and vapor
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to lungs through prolonged or repeated exposure by inhalation.
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA Health Hazard

1-Materials that, under emergency conditions, can cause significant irritation.

NFPA Fire Hazard

1- Materials that must be preheated before ignition can occur.

NFPA Reactivity Hazard

0- Material that in themselves are normally stable, even under fire conditions.



HMIS III Rating Health

1- Slight hazard – Irritation or minor reversible injury possible
Chronic (long term) health effects may result from repeated overexposure.

Flammability
Physical

1 Slight Hazard
0 Minimal Hazard

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SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name A-106 catalyst

Product Code A-106 B

Intended Use(s) For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

GHS-US classification

Eye Dam. 1 H318

Skin Sens. 1 H317

Repr. 2 H361

Aquatic Chronic 3 H412

Full text of hazard classes and H-statements: see section 16

2.2 Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal Word

DANGER

Hazard statements (GHS-US)

H317 - May cause an allergies skin reaction

H318 - Causes serious eye damage

H361 - Suspected of damaging fertility or the unborn child

H412 - Harmful to aquatic life with long lasting effects



Precautionary statements (GHS-US)

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P261 - Avoid breathing vapors, mist, spray
- P272 - Contaminated work clothing must not be allowed out of the workplace
- P273 - Avoid release to the environment
- P280 - Wear protective gloves, protective clothing, eye protection, face shield
- P302+P352 - if on skin: Wash with plenty of water.
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 - If exposed or concerned: Get medical advice/attention.
- P310 - Immediately call a poison center or doctor. P321 - Specific treatment (see Section 4 on this SDS).
- P321 - Specific treatment (see Section 4 on this SDS).
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P363 - Wash contaminated clothing before reuse.
- P405 - Store locked up.
- P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations

2.3 Other hazards

Other hazards not contributing to the classification

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4 Unknown acute toxicity (GHSUS)

No data available

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Name	Product identifier	%	GHS-US classification
Hexanoic acid, 2-ethyl-, tin(2+) salt (2:1)	(CAS No) 301-10-0	100	Eye Dom., 1 H318 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 3, H412

Full text of H-phrases: see section 16

3.2 Mixture

Not applicable.



SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell. Seek medical advice {show the label if possible}.

First-aid measures after inhalation

Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact

Remove contaminated clothing Rinse gently with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

First-aid measures after eye contact

Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention

First-aid measures after ingestion

Do NOT induce vomiting, Rinse mouth. Seek medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries

May cause an allergic skin reaction. Causes serious eye damage. Suspected of damaging fertility or the unborn child.

Symptoms/injuries after inhalation

Overexposure may be irritating to the respiratory system.

Symptoms/injuries after skin contact

May cause an allergic skin irritation. Symptoms may include: redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/injuries after eye contact

Causes serious eye damage. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/injuries after ingestion

Ingestion is likely to be harmful or have adverse effects



Chronic symptoms

Suspected of damaging fertility. Suspected of
damaging the unborn child

4.3 Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire

Unsuitable extinguishing media

Do not use a heavy water stream. Use of heavy
stream of water may spread fire. Application of water
stream to hot product may cause frothing and
increase fire intensity

5.2 Special hazards arising from the substance or mixture

Fire hazard

Not considered flammable but may burn at high
temperatures

Explosion hazard

Product is not explosive

Reactivity

Hazardous reactions will not occur under normal
conditions.

5.3 Advice for fire fighters

Precautionary measures

Exercise caution when fighting any chemical fire. Under
fire conditions, hazardous fumes will be present

Firefighting instructions

Use water spray or fog for cooling exposed containers.
Do not allow the run-off from firefighting to enter drains
or water sources.

Protection during firefighting

Do not enter fire area without proper protective
equipment, including respiratory protection

Other information

Refer to Section 9 for flammability properties

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

General measures

Avoid all contact with skin, eyes, or clothing. Avoid breathing
(vapor, mist, spray, gas).

6.1.1 For non-emergency personnel

Protective equipment

Use appropriate personal protection equipment (PPE).

Emergency procedures

Evacuate unnecessary personnel.



6.1.2 For emergency responders

Protective equipment Equip cleanup crew with proper protection.

Emergency procedures Stop leak if safe to do so. Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleanup

For containers Contain any spills with dikes or absorbent to prevent migration and entry into sewers or streams.

Methods for clean-up Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling Obtain Special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work

7.2 Conditions for safe storage, including any incompatibilities

Technical measures Comply with applicable regulations

Storage conditions Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible products Strong acids, strong bases. Strong oxidizers.

7.3 Specific end use(s)

As a polymerization catalyst for hydroxide end-blocked polymers. For professional use only.



SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

8.2 Exposure controls

Appropriate Engineering Controls Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment

Protective goggles. Gloves. Protective clothing



Materials for protective clothing

Chemically resistant materials and fabrics.

Hand protection

Wear chemically resistant protective gloves.

Eye protection

Chemical safety goggles.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental exposure controls

Do not allow the product to be released into the environment.

Consumer exposure controls

Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state	Liquid
Appearance	Colorless to Amber
Odor	Slight
Vapor pressure	No data available
Odor threshold	No data available
pH	No data available
Evaporation rate	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	392°F (200°C)
Flash point	217°F (102.78°C)
Auto-ignition Temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	No data available



Relative vapor density at 20°C	No data available
Relative density	No data available
Specific Gravity	1.29
Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity	No data available

9.2 Other information

VOC content < 1 %

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Chemical stability

Stable under recommended handling and storage conditions (See Section7).

10.3 Possibility of Hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6 Hazardous decomposition products

Thermal decomposition generates: Carbon oxides (CO, CO2). Oxides of tin.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute Toxicity Not classified

Hexanoic acid, 2-ethyl-, tin (2+) salt (:!) (301-10-0)	
LD 50 oral rat	5.97 g/kg
LD 50 dermal rat	>2000 mg/kg body weight

Identifies toxicological and health effects

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye damage
Respiratory or skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging fertility or the unborn child
Specific target organ toxicity (single exposure)	Not classified



Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified
Symptoms/injuries after inhalation	Overexposure may be irritating to the respiratory system
Symptoms/injuries after skin contact	May cause an allergic skin reaction. Symptoms may include redness, pain, swelling itching, burning, dryness, and dermatitis.
Symptoms/injuries after eye contact	Causes serious eye damage. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/injuries after ingestion	Ingestion is likely to be harmful or have adverse effects
Chronic symptoms	Suspected of damaging fertility. Suspected of damaging the unborn child

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology – general Harmful to aquatic life with long lasting effects.

Hexanoic acid, 2-ethyl-, tin (2+) salt (2:1) (301-10-0)	
LC50 fish 1	> 116 mg/l (Exposure time: 96 hours. Species: <u>Oncorhynchus mykiss [semi-static]</u>)

12.2 Persistence and degradability	No additional information available
12.3 Bioaccumulative potential	No additional information available
12.4 Mobility in soil	No additional information available
12.5 Other adverse effects Other information	Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Sewage disposal recommendation This material is hazardous to the aquatic environment. Keep out of the sewers and waterways.

Waste disposal recommendations Dispose of waste material in accordance with all local, regional, national, and international regulations



SECTION 14: TRANSPORT INFORMATION

In accordance with DOT/ IMDG / IATA

14.1 UN number Not applicable

14.2 UN proper shipping name Not applicable

14.3 Additional information

Other information No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: REGULATORY INFORMATION

15.1 US Federal regulations

All components of this product are listed or exempted from being listed on the United States Environmental Protection Agency Toxic Substance Control Act (TSCA) inventory.

Hexanoic acid, 2-ethyl-, tin(2+) salt (2:1)(301-10-0)	
SARA Section 311/312 Hazard Classes	immediate (acute) health hazard Delayed (chronic) health hazard

15.2 US State regulation

Hexanoic acid, 2-ethyl-, tin(2+) salt {2:1} (301-10-0)
RTK - U.S. - Massachusetts - Right To Know List U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term

SECTION 16: OTHER INFORMATION

Full test of H-phrases

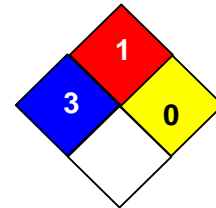


Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard Category 3
Eye Cam. 1	Serious eye damage/eye irritation Category 1
Repr.2	Reproductive toxicity Category 2
Skin Sens. 1	Skin sensitization Category 1
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard 3 – short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard 1 Must be preheated before ignition can occur.

NFPA reactivity 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health

Flammability

Physical

2- Moderate Hazard – Temporary or minor injury may occur.

1 Slight Hazard

0 Minimal Hazard

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Safety Data Sheet

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