



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

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

**2.2 Label Elements**

**GHS-US Labeling**

Hazard Pictograms (GHS-US)



Single Word (GHS-US)  
Hazard Statements (GHS-US)

Precautionary Statements (GHS-US)

**GHS08**  
Warning  
H361 – Suspected of damaging fertility or the unborn child.  
P201 – Obtain special instructions before use.  
P202 – Do not handle until all safety precautions have been read and understood.  
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.

**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**

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	< 1	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 4, H413

\* 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 Specific hazards during fire**

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.

Firefighting instructions

Use water spray or fog for cooling exposed containers.

Protection during firefighting

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

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

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. 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 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 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).

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

Incompatible products Strong acids, strong bases. Strong oxidizers.

**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).

<b>Cristobalite (14464-46-1)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m³)	0.025 mg/m³
<b>Quartz (14808-60-7)</b>		
USA ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) (mg/m³)	50 µg/m³

**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

Protective goggles. Gloves. Protective clothing



Materials for protective clothing

Chemically resistant materials and fabrics.

Respiratory

Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Eye/Face

Chemical goggles or safety glasses.

Hands

Wear chemically resistant protective gloves.

Skin/Body

Wear suitable protective clothing.

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**

**Information on basic physical and chemical properties:**

Physical state	Liquid
Appearance	Tan
Odor	Odorless
Vapor pressure	No data available
Odor threshold	No data available
pH	No data available
Relative vapor density @ 20°C	No data available
Relative density	> 1
Melting point/freezing point	No data available
Boiling point	No data available
Solubility	No data available
Flash point	> 135 °C (275 °F)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

**9.2 Other information**

No other 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 <sup>3</sup> (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.)



**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Ecology – General Not Classified.

**Octamethylcyclotetrasiloxane (556-67-2)**

LC50 Fish 1	> 500 mg/l (Exposure time: 96 h – Species: Brachydanio rerio)
LC50 Fish 2	> 1000 mg/l (Exposure time: 96 h – Species: Lepomis macrochirus)

**12.2 Persistence and Degradability**

**R-2370 Part A**

Persistence and Degradability	Not Established.
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**12.3 Bioaccumulative Potential**

**R-2370 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



<b>Silica, crystalline (general form) (Not Applicable)</b>
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
<b>Octamethylcyclotetrasiloxane (556-67-2)</b>
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

**15.3 European Regulations**

**RoHs Directive (Restriction of the use of Certain Hazardous Substances)**

To the best of our knowledge, the restricted substances prohibited in accordance with Directive 2011/65/EU and Directive 2015/863/EU are not normally expected to be present at or above the specified concentrations of 0.01% (by weight) for lead, mercury, hexavalent chromium, PBB, PBDE, (including decaBDE, PentaBDE, or OctaBDE), Phtalates (including DEHP, BBP, DBP and DIBP) and 0.01% (by weight) for cadmium.

**REACH – Substances of Very High Concern (SVHC)**

Octamethylcyclotetrasiloxane (CAS 556-67-2)

The above listed substances may be present in silicone-based products as unavoidable impurities of the basic silicone polymer synthesis steps currently used in the industry.

**EU Medical Devices Regulation (MDR (EU) 2017/745)**

This product does not contain any chemical components monitored on the Europeans Medical Devices Regulation Substance list.

**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 4	Hazardous to the aquatic environment – Chronic Hazard Category 4
Flam. Liq. 3	Flammable Liquids Category 3
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.
H413	May cause long lasting harmful effects to aquatic life

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

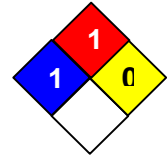
0- Material that in themselves are normally stable, even under fire conditions.

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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**EMERGENCY TELEPHONE NUMBERS**

928- 368-7502

**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).  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P363 - Wash contaminated clothing before reuse.  
 P405 - Store locked up.  
 PS01 - 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	MP3496
CAS No	301-10-0

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 damage to fertility or the unborn child.

Symptoms/injuries after inhalation

Overexposure may be irritation 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 enter 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

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

Protective goggles. Gloves. Protective clothing



Materials for protective clothing

Chemically resistant materials and fabrics.

Respiratory

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

Eye/Face

Chemical safety goggles.

Hands

Wear chemically resistant protective gloves.

Skin/Body

Wear suitable protective clothing

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
Relative vapor density @ 20°C	No data available
Relative density	No data available
Specific gravity	1.29
Melting point/freezing point	No data available
Boiling point	392 °F (200 °C)
Solubility	No data available
Flash point	217 °F (102.78 °C)
Evaporation rate	No data available



Flammability (solid, gas)	No data available
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	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. Ignitions sources. 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

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

**Identifies toxicological and health effects**

Acute toxicity	Not classified
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.

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

<b>12.2 Persistence and degradability</b>	No additional information available
<b>12.3 Bioaccumulative potential</b>	No additional information available
<b>12.4 Mobility in soil</b>	No additional information available
<b>12.5 Other adverse effects</b> 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	Disposed 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.

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

**15.2 US State regulation**

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

**15.3 EU Regulations**

**15.3.1 RoHS Directive (Restriction of the use of Certain Hazardous Substances)**

To the best of our knowledge, the restricted substances prohibited in accordance with Directive 2011/65/EU and Directive 2015/863/EU are not normally expected to be present at or above the specified concentrations of 0.01% (by weight) for lead, mercury, hexavalent chromium, PBB, PBDE, (including decaBDE, PentaBDE, or OctaBDE), Phtalates (including DEHP, BBP, DBP and DIBP) and 0.01% (by weight) for cadmium.



**15.3.2 REACH – Substances of Very High Concern (SVHC)**

This product does not contain any substances listed on the Substance of Very High Concern (SVHC) as of the current update of 16 July 2019.

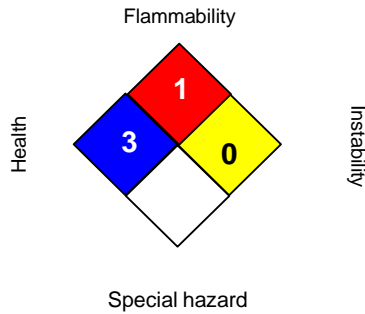
The full list can be found on the ECHA website <https://echa.europa.eu/candidate-list-table>

**15.3.3 EU Medical Devices Regulation (MDR (EU) 2017/745)**

This product is not made with, nor does it generate carcinogenic, mutagenic or toxic to reproduction ('CMR'), of category 1A or 1B, or substances having endocrine-disrupting properties as defined in paragraph 10.4.1 of MDR (EU) 2017/745.

**SECTION 16: OTHER INFORMATION**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	2
<b>FLAMMABILITY</b>	1
<b>REACTIVITY</b>	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, \* = Chronic

**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

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

Flammability

1 Slight Hazard

Physical

0 Minimal Hazard



**Factor II, Incorporated**

The Art, Science and Technology of  
Silicones and Prosthetics...

**Safety Data Sheet**

**Product Code A-106**

Date of Issue: -07-31-2014

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