

This Material Safety Data Sheet packet contains the MSDS for the products listed below:

BOSS[®] 396 – Moisture Curing Silicone Sealant – Colors

BOSS[®] 396 – Moisture Curing Silicone Sealant – Clear

These two products have different formulations. Please confirm that you have the proper MSDS for the product being used.

MSDS Document

Product BOSS® 396 Moisture Curing Silicone Sealant - Colors

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 396 Moisture Curing Silicone Sealant - Colors

Synonyms: C04111BE, CO4111PBE, C04111PBE, C04111WH, C04111DT

MSDS ID BOSS396

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 12/18/2012

Health:	1
Fire:	1
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Amorphous fumed silica	112945-52-5	2% - 15%	10 mg/m3	6 mg/m3	
Methyl Oximino Silane	22984-54-9	2% - 10%			
Vinyl Oximino Silane	2224-33-1	2% - 10%			
N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	1760-24-3	2% - Max			
Calcium carbonate	1317-65-3	25% - 50%	10 mg/m3	5 mg/m3	

3. Hazard Identification

Primary Routes of Entry

Inhalation, skin contact

Eye Contact

Direct eye contact irritates slightly with redness and swelling.

Skin Contact

A single short term exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately. Product contains oximes which are possible skin sensitizers.

Inhalation

Inhalation of vapor may irritate respiratory tract and nasal passage. Vapors from exposure to moisture may produce reversible narcotic effects. Overexposure may cause drowsiness and irritation to the eyes, nose and throat.

Ingestion

Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

Comment

Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as possible.

Comentarios

Puede que se forme metanol por una reacción con la humedad del aire. Asegúrese de tener la ventilación adecuada para controlar la exposición dentro de las directrices de 200 ppm de TWA de OSHA.

4. First Aid Information**Eye Contact**

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact

Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

Inhalation

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

Ingestion

DO NOT INDUCE VOMITING. Seek immediate medical attention.

Comments

Treat according to person's condition and specifics of exposure.

5. Fire Fighting Measures**Flash Point**

Not applicable

Flammability Limits in Air

Not determined

Auto-ignition Temperature

Not determined

Extinguishing Media

On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire exposed containers.

Special Fire Fighting Procedures

Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

Unusual Fire or Explosion Hazards

None known

6. Accidental Release Measures

Steps to be taken in case of spill or release

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. For small spills, wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may require the use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

7. Handling and Storage

Handling

Avoid breathing vapors in top of shipping container. Keep container closed. Use with adequate ventilation. Avoid contact with skin and clothing. Wash thoroughly after handling.

Storage

Keep container closed and store in a cool, well ventilated area, away from water or moisture.

Other Precautions

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control MEKO within the exposure guidelines or use respiratory protection.

8. Exposure Controls and Personal Protection

Eye Protection

Use proper protection - safety glasses as a minimum.

Skin Protection

Wash at mealtimes and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Respiratory Protection

Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Precautionary Measures

Avoid eye contact. Avoid skin contact. Avoid breathing vapor.

Comment

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime within the exposure guidelines or use respiratory protection.

Note

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

9. Physical and Chemical Properties

Physical State	Paste
Specific Gravity	1.3
Color/Appearance	Various
Odor	Slight
pH	Not applicable
Boiling/Cond. Point	Not determined
Melting/Freezing Point	Not determined
Solubility	Water dilutable in wet stage
Evaporation Rate	Not determined
VOC %	14 g/L (<3%)
Vapor Density	Not determined
Vapor Pressure	Not determined

Note

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability

Stable

Hazardous Polymerization

Will not occur

Materials to Avoid / Incompatibility

Oxidizing material can cause a reaction.

Conditions to Avoid

None known

11. Toxicological Information

Special Hazard Information on Component

Methyl Oximino Silane (22984-54-9) Possible skin sensitizer

Vinyl Oximino Silane (2224-33-1) Possible skin sensitizer

Carcinogenicity

This product is not known to be a carcinogen.

Teratogenicidad

No se tiene conocimiento de que este producto sea teratógeno.

Mutagenicity

This product is not known to be a mutagen.

Reproductive Toxin

This product is not known to be a reproductive toxin.

Sensitizer

Product releases MEKO, which is a potential skin sensitizer.

Component Toxicology Information

Methyl ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

12. Ecological Information

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13. Disposal Considerations

Waste Disposal Method

We make no guarantee or warranty of any kind that the use or disposal of this product

complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

14. Transportation Information

Voie terrestre DOT
Pas assujetti au DOT

Air Shipment (IATA)
Not subject to IATA regulations.

Ocean Shipment (IMDG)
Not subject to IMDG code.

15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status
All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SARA Title III Section 302 Extremely Hazardous Substances
None

SARA Titre III Section 304 CERCLA Substances dangereuses
None

SARA Title III Section 312 Hazard Class
Acute: Yes
Chronic: Yes
Fire: No
Pressure: No
Reactive: No

SARA Title III Section 313 Toxic Chemicals
Methanol (67-56-1)

California Proposition 65
This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:
None known

Massachusetts

Silica, amorphous fumed (112945-52-5)
Methanol (67-56-1)

New Jersey

Silica, amorphous (112945-52-5)
Dimethyl siloxane, hydroxy-terminated (70131-67-8)
Methyl oximino silane (22984-54-9)
Vinyl oximino silane (2224-33-1)
Limestone (1317-65-3)
Distillates (petroleum), hydrotreated middle (64742-46-7)
Methanol (67-56-1)

Pennsylvania

Silica, amorphous (112945-52-5)
Dimethyl siloxane, hydroxy-terminated (70131-67-8)
Limestone (1317-65-3)
Distillates (petroleum), hydrotreated middle (64742-46-7)
Methanol (67-56-1)

16. Other Information

Disclaimer

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

MSDS Document

Product BOSS® 396 Moisture Curing Silicone Sealant - Clear

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 396 Moisture Curing Silicone Sealant - Clear

Synonyms: C04111CL, C04115CL

MSDS ID BOSS396cl

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 12/18/2012

Health:	1
Fire:	1
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Amorphous fumed silica	112945-52-5	4% - 10%	10 mg/m3	6 mg/m3	
Methyl Oximino Silane	22984-54-9	2% - 7%			
Vinyl Oximino Silane	2224-33-1	1% - 3%			
N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	1760-24-3	2% - Max			

3. Hazard Identification

Primary Routes of Entry

Inhalation, skin contact

Eye Contact

Direct eye contact irritates slightly with redness and swelling.

Skin Contact

A single short term exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately. Product contains oximes which are possible skin sensitizers.

Inhalation

Inhalation of vapor may irritate respiratory tract and nasal passage. Vapors from exposure to moisture may produce reversible narcotic effects. Overexposure may cause drowsiness and irritation to the eyes, nose and throat.

Ingestion

Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may injure slightly.

Comment

Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as possible.

Comentarios

Puede que se forme metanol por una reacción con la humedad del aire. Asegúrese de tener la ventilación adecuada para controlar la exposición dentro de las directrices de 200 ppm de TWA de OSHA.

4. First Aid Information

Eye Contact

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact

Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

Inhalation

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

Ingestion

DO NOT INDUCE VOMITING. Seek immediate medical attention.

Comments

Treat according to person's condition and specifics of exposure.

5. Fire Fighting Measures

Flash Point

Not applicable

Flammability Limits in Air

Not determined

Auto-ignition Temperature

Not determined

Extinguishing Media

On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire exposed containers.

Special Fire Fighting Procedures

Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

Unusual Fire or Explosion Hazards

None known

6. Accidental Release Measures**Steps to be taken in case of spill or release**

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. For small spills, wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may require the use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

7. Handling and Storage**Handling**

Avoid breathing vapors in top of shipping container. Keep container closed. Use with adequate ventilation. Avoid contact with skin and clothing. Wash thoroughly after handling.

Storage

Keep container closed and store in a cool, well ventilated area, away from water or moisture.

Other Precautions

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control MEKO within the exposure guidelines or use respiratory protection.

8. Exposure Controls and Personal Protection**Eye Protection**

Use proper protection - safety glasses as a minimum.

Skin Protection

Wash at mealtimes and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Respiratory Protection

Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Precautionary Measures

Avoid eye contact. Avoid skin contact. Avoid breathing vapor.

Comment

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime within the exposure guidelines or use respiratory protection.

Note

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

9. Physical and Chemical Properties

Physical State	Paste
Specific Gravity	1
Color/Appearance	Clear
Odor	Slight
pH	Not applicable
Boiling/Cond. Point	Not determined
Melting/Freezing Point	Not determined
Solubility	Water dilutable in wet stage
Evaporation Rate	Not determined
VOC %	28 g/L (<3%)
Vapor Density	Not determined
Vapor Pressure	Not determined

Note

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability

Stable

Hazardous Polymerization

Will not occur

Materials to Avoid / Incompatibility

Oxidizing material can cause a reaction.

Conditions to Avoid

None known

11. Toxicological Information

Special Hazard Information on Component

Methyl Oximino Silane (22984-54-9) Possible skin sensitizer

Vinyl Oximino Silane (2224-33-1) Possible skin sensitizer

Carcinogenicity

This product is not known to be a carcinogen.

Teratogenicidad

No se tiene conocimiento de que este producto sea teratógeno.

Mutagenicity

This product is not known to be a mutagen.

Reproductive Toxin

This product is not known to be a reproductive toxin.

Sensitizer

Product releases MEKO, which is a potential skin sensitizer.

Component Toxicology Information

Methyl ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

12. Ecological Information

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13. Disposal Considerations

Waste Disposal Method

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable

statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

14. Transportation Information

Voie terrestre DOT
Pas assujetti au DOT

Air Shipment (IATA)
Not subject to IATA regulations.

Ocean Shipment (IMDG)
Not subject to IMDG code.

15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SARA Title III Section 302 Extremely Hazardous Substances
None

SARA Titre III Section 304 CERCLA Substances dangereuses
None

SARA Title III Section 312 Hazard Class

Acute: Yes
Chronic: Yes
Fire: No
Pressure: No
Reactive: No

SARA Title III Section 313 Toxic Chemicals

None present or none present in regulated quantities.

California Proposition 65

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:
None known

Massachusetts

Silica, amorphous fumed (112945-52-5)

New Jersey

Silica, amorphous (112945-52-5)
Dimethyl siloxane, hydroxy-terminated (70131-67-8)
Methyl oximino silane (22984-54-9)
Vinyl oximino silane (2224-33-1)
Distillates (petroleum), hydrotreated middle (64742-46-7)

Pennsylvania

Silica, amorphous (112945-52-5)
Dimethyl siloxane, hydroxy-terminated (70131-67-8)
Methyl oximino silane (22984-54-9)
Vinyl oximino silane (2224-33-1)
Distillates (petroleum), hydrotreated middle (64742-46-7)

16. Other Information

Disclaimer

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.