

DECLARATION OF ASSURANCE FOR HAZARDOUS SUBSTANCE USE IN DEPARTMENT OF AGRICULTURE
EXPORT REGISTERED ESTABLISHMENTS

Vendor name: Wurth Australia Pty. Ltd.

Vendor Address: 2/1 Healey Road, Dandenong South, Vic.3175

Vendor telephone Number: 1300 657 765

Manufacturer of Hazardous Substance: Wurth Group

Name of Hazardous Substance: Silicone Acetate Food Grade

Category of Use: Food Grade Sealant.

Intended Use: Special, high-quality sealant for sealing in food processing and drinking water sector.

We, Wurth Australia, the vendor of the above hazardous substance declare the above hazardous substance is suitable for use in export registered meat or meat product establishments for the purposes stated in this application, that I have supplied a copy of the label and MSDS or SDS with this declaration and acknowledge that this declaration is subject to the following conditions:

This declaration is rendered invalid by:

1. Any change in the formulation of the following hazardous substance
2. Any change in the instructions for use in the following hazardous substance
3. Any incorrect and/or unintended use of the following hazardous substance.

Signature of vendor  Date: 13/7/15

Declaration of qualified chemist

The hazardous substance/identified above, when used in accordance with the directions on the label:

- is fit for the purpose for which they are to be used
- will not contaminate animals, meat and meat products

Printed name of qualified chemist: Dr. Edgar Draber

Qualifications of qualified chemist: PhD in physical chemistry, requisite qualification for providing MSDS
(as required by German law "GefStoffV", § 5 Abs. 1)

Signature of qualified chemist:  Date: July 3, 2015.

SILICONE ACETATE FOOD GRADE



FZP when cured

Special, high-quality sealant for sealing in food processing and drinking water sector, as well as for aquarium construction.

Tried-and-tested product features:

- HACCP certified FZP when cured, suitable for use in the food zone and can make contact with foodstuffs when in the cured state.
- Corresponds to the requirements pursuant to NSF/ANSI Standard 61
 - Officially listed since March 2007.
- Sensor testing for food
 - Tested by Stegmann laboratory.
- Can be used in food handling and processing operations
 - Tested by the ISEGA-Forschungs-und Untersuchungsgesellschaft mbH in Aschaffenburg, Germany.
- In aquarium construction
 - Tested pursuant to DIN 32622.
- Can be used in drinking water sector
 - KTW test from Hygiene Institute of the German Ruhr region in Gelsenkirchen.
- In drinking water line sector
 - MDVGW Worksheet W 270 - Hygiene Institute of the University of Bonn in Bonn, Germany.
- Resistant to microorganisms
 - Tested according to DIN EN ISO 846, Part A+C by the Institute for Air Hygiene in Berlin.
- In cleanroom
 - Suitability in cleanrooms in accordance with Hygiene Institute of the German Ruhr region, Test Report W-169517-08-SI.

Colour	Contents in ml	Art No.	Pack Qty.
Transparent	310	0892 550 1	12
White		0892 550 2	
Bronze		0892 550 3	
Silver		0892 550 4	

The colours shown can differ from the original for printing-related reasons.

Note:

Complies with building material class B2 according to DIN 4102. Due to the large number of existing paint systems, the user should conduct his/her own tests to check the compatibility with paint. Possibility of yellowing on contact with white alkyd resin paints cannot be excluded. Not suitable for non-ferrous metals and metals without corrosion protection. Silicone Acetate, Food Grade is not suitable for adhesive bonding or filling hollow spaces.

Typical surfaces:

Without primer: Enamel, tiles, glass, anodized aluminium, stainless steel, artificial stone) and cast stone).



Meets the requirement of NSF/ANSI Standard 61 - Drinking Water System Components.

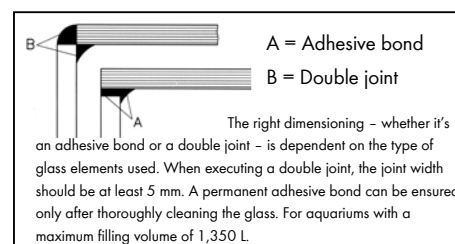


HACCP SSZ Certified: PE-717-WA-01.

Technical Data

Raw Material Base	Acetate curing silicone polymer
Max. Take-up of Contin. Movement	25% of the joint width
Skin Formation Time	Approx. 10 min. at 23°C/50% rel. humidity
Thermal Stability	-40°C to 180°C
Application Temperature	5°C to 40°C
Can be Painted over	No
Compatibility with Paint	Yes, preliminary tests required
Contains Fungicide	No
Shore A Hardness	Approx. 25
Density	1.04 g/cm ³
Elongation at Rupture with 2mm Film	Approx. 575%

Use as aquarium silicone:



Broad adhesive range

- Adhesion on most surfaces which occur in the food processing sector.

Other advantages:

- High resistance to chemicals.
- Also adheres to artificial stone and cast stone.
- Good smoothing behaviour.
- Building material class B2 acc. to DIN 4102.

Areas of application:



Application: Please observe overview sheet "General Notes on Application for Sealants".

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Commercial Product Name : SILICONE ACETATE FOOD GRADE - TRANSPARENT

Product code : 0892 550 1
SDS-Identcode : 10046566
Product Use Description : Sealant
Company : Wurth Australia Pty Ltd
2/1 Healey Road
Dandenong South, Victoria, 3175
Australia

Telephone : +61 3 8788 1111
Responsible/issuing person : prodsafe@wuerth.com
Emergency telephone number : 1300 657 765
Advisory office in case of poisoning - National Poisons Centre:
131 126

2. HAZARDS IDENTIFICATION

NON-DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE.
Not classified as Dangerous Goods according to the Australian Dangerous Goods Code.
Not classified as hazardous according to the criteria of NOHSC.

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical Name	CAS-No.	Concentration
Siliciumdioxide	112945-52-5	>= 7 - < 10%
Triacetoxylethylsilane	17689-77-9	>= 3 - < 5%

4. FIRST AID MEASURES

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

- General advice : If you feel unwell, seek medical advice (show the label where possible).
Never give anything by mouth to an unconscious person.
Take off contaminated clothing and shoes immediately.
- If inhaled : If breathed in, move person into fresh air.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.
- In case of eye contact : If easy to do, remove contact lens, if worn.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, DO NOT induce vomiting.
If symptoms persist, call a physician.
If a person vomits when lying on his back, place him in the recovery position.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray jet
Alcohol-resistant foam
- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.
Hazardous decomposition products may be formed under fire conditions (see section 10).
Exposure to decomposition products may be a hazard to health.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in sections 7 and 8.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapour or mist.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform
respective authorities.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,
acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE**Handling**

- Advice on safe handling : For personal protection see section 8.
Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Dust explosion class : Not applicable

Storage

- Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.
- Advice on common storage : Incompatible with acids.
Incompatible with oxidizing agents.
Keep away from reducing agents.
- Materials to avoid : Water, Humid air, Acids, Strong oxidizing agents, Reducing agents
- Other data : No decomposition if stored and applied as directed.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003], as amended through August 2005

Biological occupational exposure limits

no biological limit allocated

Engineering measures

Provide adequate ventilation.

Personal protective equipment

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Respirator with filter type E
- Hand protection : butyl-rubber
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm
- : PVC
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm
- : Nitrile rubber
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm
- : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Choose body protection according to the amount and concen-

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

tration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid breathing vapours, mist or gas.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : paste
Colour : various
Odour : characteristic
Odour Threshold : No data available

Safety data

Flash point : > 199 °F (> 93 °C)
Ignition temperature : ca. 427 °C
Lower explosion limit : No data available
Upper explosion limit : No data available
Flammability : No data available
Auto-ignition temperature : No data available
pH : No data available
Melting point/range : No data available
Boiling point/boiling range : Not applicable
Vapour pressure : No data available
Density : ca.1.0 g/cm³
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Solubility in other solvents : No data available
Viscosity, dynamic : No data available

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Viscosity, kinematic : No data available
Relative vapour density : No data available
Evaporation rate : No data available
Thermal decomposition : No data available

10. STABILITY AND REACTIVITY

Conditions to avoid : No data available
Materials to avoid : Water
Humid air
Acids
Strong oxidizing agents
Reducing agents

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous reactions : No data available
Stability : No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Acute oral toxicity : No data available

Acute oral toxicity (Components)

Siliciumdioxide : LD50: > 5,000 mg/kg
Species: Rat

Triacetoxylethylsilane : LD50: 1,460 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Acute dermal toxicity (Components)

Siliciumdioxide : LD50: > 2,000 mg/kg
Species: Rabbit

Skin corrosion/irritation

Skin irritation : Result: No skin irritation
The toxicological data has been taken from products of similar composition.

Serious eye damage/eye irritation

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Eye irritation : Result: No eye irritation
The toxicological data has been taken from products of similar composition.

Respiratory or skin sensitisation

Sensitisation : No data available

Sensitisation (Components)

Triacetoxylethylsilane : Buehler Test
Species: Guinea pig
Result: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

Chronic toxicity

Mutagenicity : No data available

Mutagenicity (Components)

Triacetoxylethylsilane : In vivo tests did not show mutagenic effects

Carcinogenicity : No data available

Carcinogenicity (Components)

Triacetoxylethylsilane : No data available

Teratogenicity : No data available

Reproductive toxicity : No data available

Reproductive toxicity (Components)

Triacetoxylethylsilane : No toxicity to reproduction

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration toxicity : No data available

12. ECOLOGICAL INFORMATION

Toxicity to fish (Components)

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Siliciumdioxide : LC50: > 10,000 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)

Triacetoxyethylsilane : LC50: 251 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates (Components)
Triacetoxyethylsilane : EC50: 168.7 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Toxicity to algae (Components)
Triacetoxyethylsilane : ErC50: 24.41 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (microalgae)
Method: OECD Test Guideline 201

NOEC: 18 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (microalgae)
Method: OECD Test Guideline 201

Toxicity to bacteria (Components)
Triacetoxyethylsilane : EC50: > 100 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates / Chronic toxicity (Components)
Triacetoxyethylsilane : NOEC: >= 100 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

Elimination information (persistence and degradability)

Bioaccumulation : No data available
Biodegradability : No data available
Mobility in soil : No data available

Further information on ecology**Ecotoxicology Assessment**

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

- Results of PBT assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.
-

13. DISPOSAL CONSIDERATIONS

- Product : In accordance with local and national regulations., Do not dispose of waste into sewer., Do not dispose of together with household waste.
- Disposal of contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Dispose of as unused product.
-

14. TRANSPORT INFORMATION**ADG**

Not dangerous goods

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RIDNot dangerous goods

15. REGULATORY INFORMATIONLabelling according to EC Directives

- Special labelling of certain : Safety data sheet available on request for professional users.
-

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - TRANSPARENT**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

mixtures

National regulatory information

For detailed advice on Personal Protective equipment, refer to the following Australian Standards :- HB 9 (Handbook 9) Manual of industrial personal protection.

AS/NZS 1337 Eye protectors for industrial applications.

AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.

AS/NZS 1716 Respiratory protective devices.

AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

AS/NZS 2919: Industrial clothing.

National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011]

List of Designated Hazardous Substances [NOHSC].

Approved Criteria for Classifying Hazardous Substances [NOHSC:1008].

Amendment to National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC](2005)

Australian Dangerous Goods Code.

Standard Uniform Scheduling of Drugs and Poisons.

Notification status

AICS : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Commercial Product Name : SILICONE ACETATE FOOD GRADE - WHITE

Product code : 0892 550 2
SDS-Identcode : 10046567
Product Use Description : Sealant
Company : Wurth Australia Pty Ltd
2/1 Healey Road
Dandenong South, Victoria, 3175
Australia

Telephone : +61 3 8788 1111
Responsible/issuing person : prodsafe@wuerth.com
Emergency telephone number : 1300 657 765
Advisory office in case of poisoning - National Poisons Centre:
131 126

2. HAZARDS IDENTIFICATION

NON-DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE.
Not classified as Dangerous Goods according to the Australian Dangerous Goods Code.
Not classified as hazardous according to the criteria of NOHSC.

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical Name	CAS-No.	Concentration
Siliciumdioxide	112945-52-5	>= 7 - < 10%
Triacetoxylethylsilane	17689-77-9	>= 3 - < 5%

4. FIRST AID MEASURES

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

- General advice : If you feel unwell, seek medical advice (show the label where possible).
Never give anything by mouth to an unconscious person.
Take off contaminated clothing and shoes immediately.
- If inhaled : If breathed in, move person into fresh air.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.
- In case of eye contact : If easy to do, remove contact lens, if worn.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, DO NOT induce vomiting.
If symptoms persist, call a physician.
If a person vomits when lying on his back, place him in the recovery position.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray jet
Alcohol-resistant foam
- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.
Hazardous decomposition products may be formed under fire conditions (see section 10).
Exposure to decomposition products may be a hazard to health.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in sections 7 and 8.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapour or mist.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform
respective authorities.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,
acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE**Handling**

- Advice on safe handling : For personal protection see section 8.
Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Dust explosion class : Not applicable

Storage

- Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.
- Advice on common storage : Incompatible with acids.
Incompatible with oxidizing agents.
Keep away from reducing agents.
- Materials to avoid : Water, Humid air, Acids, Strong oxidizing agents, Reducing agents
- Other data : No decomposition if stored and applied as directed.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003], as amended through August 2005

Biological occupational exposure limits

no biological limit allocated

Engineering measures

Provide adequate ventilation.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Respirator with filter type E

Hand protection : butyl-rubber
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm

: PVC
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm

: Nitrile rubber
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm

: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection : Safety glasses with side-shields

Skin and body protection : Choose body protection according to the amount and concen-

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

tration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid breathing vapours, mist or gas.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : paste
Colour : various
Odour : characteristic
Odour Threshold : No data available

Safety data

Flash point : > 199 °F (> 93 °C)
Ignition temperature : ca. 427 °C
Lower explosion limit : No data available
Upper explosion limit : No data available
Flammability : No data available
Auto-ignition temperature : No data available
pH : No data available
Melting point/range : No data available
Boiling point/boiling range : Not applicable
Vapour pressure : No data available
Density : ca.1.0 g/cm³
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Solubility in other solvents : No data available
Viscosity, dynamic : No data available

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Viscosity, kinematic : No data available
Relative vapour density : No data available
Evaporation rate : No data available
Thermal decomposition : No data available

10. STABILITY AND REACTIVITY

Conditions to avoid : No data available
Materials to avoid : Water
Humid air
Acids
Strong oxidizing agents
Reducing agents

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous reactions : No data available
Stability : No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Acute oral toxicity : No data available

Acute oral toxicity (Components)

Siliciumdioxide : LD50: > 5,000 mg/kg
Species: Rat

Triacetoxylethylsilane : LD50: 1,460 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Acute dermal toxicity (Components)

Siliciumdioxide : LD50: > 2,000 mg/kg
Species: Rabbit

Skin corrosion/irritation

Skin irritation : Result: No skin irritation
The toxicological data has been taken from products of similar composition.

Serious eye damage/eye irritation

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Eye irritation : Result: No eye irritation
The toxicological data has been taken from products of similar composition.

Respiratory or skin sensitisation

Sensitisation : No data available

Sensitisation (Components)

Triacetoxylethylsilane : Buehler Test
Species: Guinea pig
Result: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

Chronic toxicity

Mutagenicity : No data available

Mutagenicity (Components)

Triacetoxylethylsilane : In vivo tests did not show mutagenic effects

Carcinogenicity : No data available

Carcinogenicity (Components)

Triacetoxylethylsilane : No data available

Teratogenicity : No data available

Reproductive toxicity : No data available

Reproductive toxicity (Components)

Triacetoxylethylsilane : No toxicity to reproduction

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration toxicity : No data available

12. ECOLOGICAL INFORMATION

Toxicity to fish (Components)

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Siliciumdioxide : LC50: > 10,000 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)

Triacetoxyethylsilane : LC50: 251 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates (Components)

Triacetoxyethylsilane : EC50: 168.7 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Toxicity to algae (Components)

Triacetoxyethylsilane : ErC50: 24.41 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (microalgae)
Method: OECD Test Guideline 201

NOEC: 18 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (microalgae)
Method: OECD Test Guideline 201

Toxicity to bacteria (Components)

Triacetoxyethylsilane : EC50: > 100 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates / Chronic toxicity (Components)

Triacetoxyethylsilane : NOEC: >= 100 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

Elimination information (persistence and degradability)

Bioaccumulation : No data available
Biodegradability : No data available
Mobility in soil : No data available

Further information on ecology**Ecotoxicology Assessment**

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

-
- Results of PBT assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

13. DISPOSAL CONSIDERATIONS

- Product : In accordance with local and national regulations., Do not dispose of waste into sewer., Do not dispose of together with household waste.
- Disposal of contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Dispose of as unused product.

14. TRANSPORT INFORMATION

ADG
Not dangerous goods

ADR
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

RID
Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EC Directives

- Special labelling of certain : Safety data sheet available on request for professional users.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - WHITE**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

mixtures

National regulatory information

For detailed advice on Personal Protective equipment, refer to the following Australian Standards :- HB 9 (Handbook 9) Manual of industrial personal protection.

AS/NZS 1337 Eye protectors for industrial applications.

AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.

AS/NZS 1716 Respiratory protective devices.

AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

AS/NZS 2919: Industrial clothing.

National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011]

List of Designated Hazardous Substances [NOHSC].

Approved Criteria for Classifying Hazardous Substances [NOHSC:1008].

Amendment to National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC](2005)

Australian Dangerous Goods Code.

Standard Uniform Scheduling of Drugs and Poisons.

Notification status

AICS : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Commercial Product Name : SILICONE ACETATE FOOD GRADE - STAINLESS STEEL

Product code : 0892 550 3
SDS-Identcode : 10046568
Product Use Description : Sealant
Company : Wurth Australia Pty Ltd
2/1 Healey Road
Dandenong South, Victoria, 3175
Australia

Telephone : +61 3 8788 1111
Responsible/issuing person : prodsafe@wuerth.com
Emergency telephone number : 1300 657 765
Advisory office in case of poisoning - National Poisons Centre:
131 126

2. HAZARDS IDENTIFICATION

NON-DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE.
Not classified as Dangerous Goods according to the Australian Dangerous Goods Code.
Not classified as hazardous according to the criteria of NOHSC.

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical Name	CAS-No.	Concentration
Siliciumdioxide	112945-52-5	>= 7 - < 10%
Triacetoxylethylsilane	17689-77-9	>= 3 - < 5%

4. FIRST AID MEASURES

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

- General advice : If you feel unwell, seek medical advice (show the label where possible).
Never give anything by mouth to an unconscious person.
Take off contaminated clothing and shoes immediately.
- If inhaled : If breathed in, move person into fresh air.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.
- In case of eye contact : If easy to do, remove contact lens, if worn.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, DO NOT induce vomiting.
If symptoms persist, call a physician.
If a person vomits when lying on his back, place him in the recovery position.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray jet
Alcohol-resistant foam
- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.
Hazardous decomposition products may be formed under fire conditions (see section 10).
Exposure to decomposition products may be a hazard to health.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in sections 7 and 8.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapour or mist.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform
respective authorities.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,
acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE**Handling**

- Advice on safe handling : For personal protection see section 8.
Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Dust explosion class : Not applicable

Storage

- Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.
- Advice on common storage : Incompatible with acids.
Incompatible with oxidizing agents.
Keep away from reducing agents.
- Materials to avoid : Water, Humid air, Acids, Strong oxidizing agents, Reducing agents
- Other data : No decomposition if stored and applied as directed.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003], as amended through August 2005

Biological occupational exposure limits

no biological limit allocated

Engineering measures

Provide adequate ventilation.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Respirator with filter type E

Hand protection : butyl-rubber
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm

: PVC
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm

: Nitrile rubber
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm

: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection : Safety glasses with side-shields

Skin and body protection : Choose body protection according to the amount and concen-

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

tration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid breathing vapours, mist or gas.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : paste
Colour : various
Odour : characteristic
Odour Threshold : No data available

Safety data

Flash point : > 199 °F (> 93 °C)
Ignition temperature : ca. 427 °C
Lower explosion limit : No data available
Upper explosion limit : No data available
Flammability : No data available
Auto-ignition temperature : No data available
pH : No data available
Melting point/range : No data available
Boiling point/boiling range : Not applicable
Vapour pressure : No data available
Density : ca.1.0 g/cm³
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Solubility in other solvents : No data available
Viscosity, dynamic : No data available

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Viscosity, kinematic : No data available
Relative vapour density : No data available
Evaporation rate : No data available
Thermal decomposition : No data available

10. STABILITY AND REACTIVITY

Conditions to avoid : No data available
Materials to avoid : Water
Humid air
Acids
Strong oxidizing agents
Reducing agents

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous reactions : No data available
Stability : No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Acute oral toxicity : No data available

Acute oral toxicity (Components)

Siliciumdioxide : LD50: > 5,000 mg/kg
Species: Rat

Triacetoxylethylsilane : LD50: 1,460 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Acute dermal toxicity (Components)

Siliciumdioxide : LD50: > 2,000 mg/kg
Species: Rabbit

Skin corrosion/irritation

Skin irritation : Result: No skin irritation
The toxicological data has been taken from products of similar composition.

Serious eye damage/eye irritation

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Eye irritation : Result: No eye irritation
The toxicological data has been taken from products of similar composition.

Respiratory or skin sensitisation

Sensitisation : No data available

Sensitisation (Components)

Triacetoxylethylsilane : Buehler Test
Species: Guinea pig
Result: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

Chronic toxicity

Mutagenicity : No data available

Mutagenicity (Components)

Triacetoxylethylsilane : In vivo tests did not show mutagenic effects

Carcinogenicity : No data available

Carcinogenicity (Components)

Triacetoxylethylsilane : No data available

Teratogenicity : No data available

Reproductive toxicity : No data available

Reproductive toxicity (Components)

Triacetoxylethylsilane : No toxicity to reproduction

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration toxicity : No data available

12. ECOLOGICAL INFORMATION

Toxicity to fish (Components)

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Siliciumdioxide : LC50: > 10,000 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)

Triacetoxyethylsilane : LC50: 251 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates (Components)
Triacetoxyethylsilane : EC50: 168.7 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Toxicity to algae (Components)
Triacetoxyethylsilane : ErC50: 24.41 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (microalgae)
Method: OECD Test Guideline 201

NOEC: 18 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (microalgae)
Method: OECD Test Guideline 201

Toxicity to bacteria (Components)
Triacetoxyethylsilane : EC50: > 100 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates / Chronic toxicity (Components)
Triacetoxyethylsilane : NOEC: >= 100 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

Elimination information (persistence and degradability)

Bioaccumulation : No data available
Biodegradability : No data available
Mobility in soil : No data available

Further information on ecology**Ecotoxicology Assessment**

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

- Results of PBT assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.
-

13. DISPOSAL CONSIDERATIONS

- Product : In accordance with local and national regulations., Do not dispose of waste into sewer., Do not dispose of together with household waste.
- Disposal of contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Dispose of as unused product.
-

14. TRANSPORT INFORMATION

ADG
Not dangerous goods

ADR
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

RID
Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EC Directives

- Special labelling of certain : Safety data sheet available on request for professional users.
-

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - STAINLESS STEEL**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

mixtures

National regulatory information

For detailed advice on Personal Protective equipment, refer to the following Australian Standards :- HB 9 (Handbook 9) Manual of industrial personal protection.

AS/NZS 1337 Eye protectors for industrial applications.

AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.

AS/NZS 1716 Respiratory protective devices.

AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

AS/NZS 2919: Industrial clothing.

National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011]

List of Designated Hazardous Substances [NOHSC].

Approved Criteria for Classifying Hazardous Substances [NOHSC:1008].

Amendment to National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC](2005)

Australian Dangerous Goods Code.

Standard Uniform Scheduling of Drugs and Poisons.

Notification status

AICS : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Commercial Product Name : SILICONE ACETATE FOOD GRADE - SILVER

Product code : 0892 550 4
SDS-Identcode : 10046569
Product Use Description : Sealant
Company : Wurth Australia Pty Ltd
2/1 Healey Road
Dandenong South, Victoria, 3175
Australia

Telephone : +61 3 8788 1111
Responsible/issuing person : prodsafe@wuerth.com
Emergency telephone number : 1300 657 765
Advisory office in case of poisoning - National Poisons Centre:
131 126

2. HAZARDS IDENTIFICATION

NON-DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE.
Not classified as Dangerous Goods according to the Australian Dangerous Goods Code.
Not classified as hazardous according to the criteria of NOHSC.

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical Name	CAS-No.	Concentration
Siliciumdioxide	112945-52-5	>= 7 - < 10%
Triacetoxylethylsilane	17689-77-9	>= 3 - < 5%

4. FIRST AID MEASURES

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

- General advice : If you feel unwell, seek medical advice (show the label where possible).
Never give anything by mouth to an unconscious person.
Take off contaminated clothing and shoes immediately.
- If inhaled : If breathed in, move person into fresh air.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.
- In case of eye contact : If easy to do, remove contact lens, if worn.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, DO NOT induce vomiting.
If symptoms persist, call a physician.
If a person vomits when lying on his back, place him in the recovery position.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray jet
Alcohol-resistant foam
- Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.
Hazardous decomposition products may be formed under fire conditions (see section 10).
Exposure to decomposition products may be a hazard to health.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in sections 7 and 8.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapour or mist.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform
respective authorities.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,
acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE**Handling**

- Advice on safe handling : For personal protection see section 8.
Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Dust explosion class : Not applicable

Storage

- Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.
- Advice on common storage : Incompatible with acids.
Incompatible with oxidizing agents.
Keep away from reducing agents.
- Materials to avoid : Water, Humid air, Acids, Strong oxidizing agents, Reducing agents
- Other data : No decomposition if stored and applied as directed.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003], as amended through August 2005

Biological occupational exposure limits

no biological limit allocated

Engineering measures

Provide adequate ventilation.

Personal protective equipment

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Respirator with filter type E
- Hand protection : butyl-rubber
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm
- : PVC
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm
- : Nitrile rubber
Break through time: ≥ 60 min
Glove thickness: ≥ 0.1 mm
- : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Choose body protection according to the amount and concen-

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

tration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid breathing vapours, mist or gas.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : paste
Colour : various
Odour : characteristic
Odour Threshold : No data available

Safety data

Flash point : > 199 °F (> 93 °C)
Ignition temperature : ca. 427 °C
Lower explosion limit : No data available
Upper explosion limit : No data available
Flammability : No data available
Auto-ignition temperature : No data available
pH : No data available
Melting point/range : No data available
Boiling point/boiling range : Not applicable
Vapour pressure : No data available
Density : ca.1.0 g/cm³
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Solubility in other solvents : No data available
Viscosity, dynamic : No data available

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Viscosity, kinematic : No data available
Relative vapour density : No data available
Evaporation rate : No data available
Thermal decomposition : No data available

10. STABILITY AND REACTIVITY

Conditions to avoid : No data available
Materials to avoid : Water
Humid air
Acids
Strong oxidizing agents
Reducing agents

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous reactions : No data available
Stability : No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Acute oral toxicity : No data available

Acute oral toxicity (Components)

Siliciumdioxide : LD50: > 5,000 mg/kg
Species: Rat

Triacetoxylethylsilane : LD50: 1,460 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Acute dermal toxicity (Components)

Siliciumdioxide : LD50: > 2,000 mg/kg
Species: Rabbit

Skin corrosion/irritation

Skin irritation : Result: No skin irritation
The toxicological data has been taken from products of similar composition.

Serious eye damage/eye irritation

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Eye irritation : Result: No eye irritation
The toxicological data has been taken from products of similar composition.

Respiratory or skin sensitisation

Sensitisation : No data available

Sensitisation (Components)

Triacetoxylethylsilane : Buehler Test
Species: Guinea pig
Result: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

Chronic toxicity

Mutagenicity : No data available

Mutagenicity (Components)

Triacetoxylethylsilane : In vivo tests did not show mutagenic effects

Carcinogenicity : No data available

Carcinogenicity (Components)

Triacetoxylethylsilane : No data available

Teratogenicity : No data available

Reproductive toxicity : No data available

Reproductive toxicity (Components)

Triacetoxylethylsilane : No toxicity to reproduction

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration toxicity : No data available

12. ECOLOGICAL INFORMATION

Toxicity to fish (Components)

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

Siliciumdioxide : LC50: > 10,000 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)

Triacetoxyethylsilane : LC50: 251 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates (Components)
Triacetoxyethylsilane : EC50: 168.7 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Toxicity to algae (Components)
Triacetoxyethylsilane : ErC50: 24.41 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (microalgae)
Method: OECD Test Guideline 201

NOEC: 18 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (microalgae)
Method: OECD Test Guideline 201

Toxicity to bacteria (Components)
Triacetoxyethylsilane : EC50: > 100 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates / Chronic toxicity (Components)
Triacetoxyethylsilane : NOEC: >= 100 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

Elimination information (persistence and degradability)

Bioaccumulation : No data available
Biodegradability : No data available
Mobility in soil : No data available

Further information on ecology**Ecotoxicology Assessment**

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

-
- Results of PBT assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

13. DISPOSAL CONSIDERATIONS

- Product : In accordance with local and national regulations., Do not dispose of waste into sewer., Do not dispose of together with household waste.
- Disposal of contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Dispose of as unused product.

14. TRANSPORT INFORMATION**ADG**

Not dangerous goods

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

15. REGULATORY INFORMATIONLabelling according to EC Directives

- Special labelling of certain : Safety data sheet available on request for professional users.

SAFETY DATA SHEET**SILICONE ACETATE FOOD GRADE - SILVER**

Version 1.0

Revision Date 04.06.2014

Print Date 06.06.2014

AU / EN

mixtures

National regulatory information

For detailed advice on Personal Protective equipment, refer to the following Australian Standards :- HB 9 (Handbook 9) Manual of industrial personal protection.

AS/NZS 1337 Eye protectors for industrial applications.

AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.

AS/NZS 1716 Respiratory protective devices.

AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

AS/NZS 2919: Industrial clothing.

National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011]

List of Designated Hazardous Substances [NOHSC].

Approved Criteria for Classifying Hazardous Substances [NOHSC:1008].

Amendment to National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC](2005)

Australian Dangerous Goods Code.

Standard Uniform Scheduling of Drugs and Poisons.

Notification status

AICS : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet