

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **LOCTITE 406 Instant Adhesive**
 Product Code: AT067
 Product Use: Construction of fibre reinforced equipment and fittings.
 Suitable for construction of recreational water craft.
 Corrosion resistant flooring and coatings.
 Restriction of use: Refer to Section 15

New Zealand Supplier: **Glasscorp Limited**
 Address: **124 Bush Road**
Albany
Auckland
New Zealand

Telephone: 09 415 6338
 Fax Number: 09 415 6339
 Website: www.glasscorp.co.nz

Emergency Telephone: 09 415 6338 or 0800 764 766 (National Poison Line)

Glasscorp date of issue: 30 April 2021

Section 2. Hazards Identification

This product is **NOT** hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

Section 3. Composition / Information on Ingredients

| Ingredients | Wt% | CAS NUMBER. |
|---------------------------------------|-------|-------------|
| Synthetic Amorphous, Pyrogenic Silica | >99.9 | 112945-52-5 |

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse immediately with plenty of water and seek medical advice. If eye irritation persists: Get medical advice/attention.

If on Skin: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.

If Swallowed: Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person.

If Inhaled: If cough, shortness of breath or other breathing problems occur, move to fresh air. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures.

Most important symptoms and effects, both acute and delayed

Symptoms: None

Treatment: Treat symptomatically

Section 5. Fire Fighting Measures

| | |
|---|--|
| Hazard Type | Non Flammable and non-combustible. |
| Hazards from products | None known. |
| Suitable Extinguishing media | Silica is non-combustible, therefore no extinguishing media needs to be identified. |
| Precautions for firefighters and special protective clothing | Wear suitable protective equipment. In the event of fire, wear self contained breathing apparatus. |
| HAZCHEM CODE | None allocated |

Section 6. Accidental Release Measures

Personal precautions:

Use protective clothing as detailed in Section 8. Remove non-essential personnel. Avoid dust formation. Ensure adequate ventilation.

Environmental Precautions:

Contain spilled product on land, if possible. Local authorities should be advised if significant spillages cannot be contained.

Spill and Disposal procedures:

Clean up promptly by vacuum. Use of a vacuum with high efficiency particulate air (HEPA) filtration is recommended. Do not create a dust cloud by using a brush or compressed air. Pick up and transfer to properly labelled containers. See Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Avoid contact with skin and eyes.
- Avoid dust formation.
- Do not breathe dust.
- Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
- Do not create a dust cloud by using a brush or compressed air.
- Take precautionary measures against static discharges. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations. Fine dust is capable of penetrating electrical equipment and may cause electrical shorts.

Precautions for Storage:

- Keep containers tightly closed in a dry and well-ventilated place.
- Do not store together with volatile chemicals as they may be adsorbed onto product.
- Store at ambient conditions.
- Keep in properly labelled containers.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA ppm | mg/m ³ | STEL ppm | mg/m ³ |
|-----------|------------|-------------------|-------------|-------------------|
|-----------|------------|-------------------|-------------|-------------------|



Amorphous Silica, The regulatory exposure limits are found under the general silica, CAS No 7631-86-9

2 mg/m³, TWA, Respirable

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION

Engineering Controls:

Ensure adequate ventilation to maintain exposures below occupational limits. Provide appropriate local exhaust ventilation at machinery and at places where dust can be generated.

Personal Protection Equipment



| | |
|--------------------|--|
| Eyes | Wear eye/face protection. Wear safety glasses with side shields (or goggles). |
| Hand | Wear protective gloves to prevent skin drying. Use protective barrier cream before handling the product. Wash hands and other exposed skin with mild soap and water. |
| Skin | Wear suitable protective clothing. Wash clothing daily. Work clothing should not be allowed out of the workplace. |
| Respiratory | Approved respirator may be necessary if local exhaust ventilation is not adequate. |

Section 9 Physical and Chemical Properties

| | |
|---|--|
| Appearance | Powder |
| Colour | White |
| Odour | None |
| Odour Threshold | Not available |
| pH | 3.6-4.5 |
| Boiling Point | 2230 °C NIOSH Pocket Guide to Chemical Hazards |
| Melting Point / Freezing Point | 1700 °C NIOSH Pocket Guide to Chemical Hazards |
| Flash Point | 251°C (closed cup) |
| Flammability | Not available |
| Upper and Lower Explosive Limits | Not available |
| Vapour Pressure | Not available |
| Vapour Density | Not available |
| Specific Gravity | 2.2g/cm ³ (20°C) |
| Water Solubility | Not available |
| Partition Coefficient: | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available |
| Particle Characteristics | Not available |

Section 10. Stability and Reactivity

| | |
|---|--|
| Stability of Substance | This product is stable under normal conditions. |
| Possibility of hazardous reactions | Not reactive. Substance is an inert inorganic solid. |
| Conditions to Avoid | None known. |
| Incompatible Materials | None known. |
| Hazardous combustion Products | None known. |

Section 11 Toxicological Information

Acute Effects:

| | |
|-------------------|---|
| Swallowed | Not applicable. Oral LD50 Rat >5000mg/kg |
| Dermal | Not applicable. Dermal LD50 Rabbit >2000mg/kg |
| Inhalation | Not applicable |
| Eye | Not classified as an irritant in rabbit studies (OECD 405). High dust concentrations may cause mechanical irritation. |
| Skin | Not applicable. |

Chronic Effects:

| | |
|-------------------------------|-----------------|
| Carcinogenicity | Not applicable. |
| Reproductive Toxicity | Not applicable. |
| Germ Cell Mutagenicity | Not applicable. |
| Aspiration | Not applicable. |
| STOT/SE | Not applicable. |
| STOT/RE | Not applicable. |

Section 12. Ecotoxicological Information

Aquatic Acute / Chronic: Not classified

Aquatic Toxicity

Fish (Brachydanio rerio) LC50 (96 h): > 10,000 mg/l; (Method: OECD 203)

No acute toxicity to Daphnia with EL and EL50 ranging from >1000 to 10,000 mg/L (OECD 202)

| | |
|--------------------------------------|--|
| Persistence and degradability | Not expected due to physicochemical properties of the substance. |
| Bioaccumulation | No data available on product |
| Mobility in Soil | Not expected to migrate. |
| Other adverse effects | No data available on product |

Section 13. Disposal Considerations

Disposal Method:

Triple rinse container and dispose according to Local Regulations.

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2012

Section 15 Regulatory Information

This product is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

Section 16 Other Information

Glossary

| | |
|------------------|---|
| Cat. | Category |
| AWC | Aggregate water capacity. |
| EC ₅₀ | Median effective concentration. |
| EEL | Environmental Exposure Limit. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms. |
| HSW | Health and Safety at Work. |
| LC ₅₀ | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD ₅₀ | Lethal dose to kill 50% of test animals/organisms. |
| LEL | Lower explosive level. |
| OSHA | American Occupational Safety and Health Administration. |
| TEL | Tolerable Exposure Limit. |
| TLV | Threshold Limit Value-an exposure limit set by responsible authority. |
| UEL | Upper Explosive Level |
| WES | Workplace Exposure Limit |

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been issued by Glasscorp Limited and serves as the product Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Glasscorp Limited by the Manufacturer and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Glasscorp Limited have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Glasscorp Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS. The information herein is given in good faith, but no warranty, express or implied is made. Please contact Glasscorp Limited, if further information is required.

Issue Date: 30 April 2021

Review Date: 30 April 2026