

**PURFIX ULTRATECH ADHESIVE**

**1. Identification**

**Product identifier**

Mixture identification:  
Trade name: PURFIX ULTRATECH ADHESIVE  
Trade code: 9015366.WIN

**Recommended use and restrictions on use**

Recommended use: Adhesive  
Restrictions on use: Not available

**Supplier's details**

Company: Windmoeller, Inc.  
1395 South Marietta Pkwy Bldg 200 Ste 208  
30067 - Marietta - GA - USA  
Phone: 678-381-1001  
Responsible: Not available  
Emergency phone number  
678-381-1001

**2. Hazard(s) Identification**

**Classification of the product** No specific hazards are encountered under normal product use.

**Label elements**

Precautionary statements

- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing vapours.
- P264 Wash skin thoroughly after handling.
- P280 Wear protective gloves and eye protection.
- P501 Dispose of contents/container in accordance with applicable regulations

**Other hazards**

None

**Ingredient(s) with unknown acute toxicity**

None

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard)

**3. Composition/Information on Ingredients**

**Substances**

Not Relevant

**Mixtures**

Hazardous components within the meaning of WHMIS 2015 and related classification:

**List of components**

Qty	Name	Ident. Numb.	Classification	Registration Number
0.1-0.25 %	silica sand; quartz	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372; Carc. 1A, H350	

The actual concentration of the components listed above is withheld as a trade secret.

**PURFIX ULTRATECH ADHESIVE****4. First-aid measures****Description of necessary first-aid measures**

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In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

**Most important symptoms/effects, acute and delayed**

Not available

**Indication of immediate medical attention and special treatment needed, if necessary**

Treatment: Not available

(see paragraph 4.1)

**5. Fire-fighting measures****Suitable and unsuitable extinguishing media****Suitable extinguishing media:**

Water.

Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:**

None in particular.

**Specific hazards arising from the hazardous product**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not available

Oxidizing properties: Not available

**Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

**Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

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**7. Handling and storage**
**Precautions for safe handling**

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Exercise the greatest care when handling or opening the container.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- Wash skin thoroughly after handling.
- See also section 8 for recommended protective equipment.

**Conditions for safe storage, including any incompatibilities**

- Keep away from food, drink and feed.

**Incompatible materials:**

- None in particular.

**Instructions as regards storage premises:**

- Adequately ventilated premises.

**8. Exposure controls/personal protection**
**Control parameters**

OEL Type	Country	Occupational Exposure Limit
ACGIH silica sand; quartz CAS: 14808-60-7		Long Term: 0.025 mg/m <sup>3</sup> A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis;
ACGIH		Long Term: 0.025 mg/m <sup>3</sup> A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis
MAK	AUSTRIA	Long Term: 0.15 mg/m <sup>3</sup>
MAK	SWITZERLAND	Long Term: 0.15 mg/m <sup>3</sup>

**Appropriate engineering controls**

Not available

**Individual protection measures, such as personal protective equipment (PPE)**
**Eye protection:**

- Use close fitting safety goggles, don't use eye lens.

**Protection for skin:**

- Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

**Protection for hands:**

- Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:
- Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .
- Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .
- Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .
- Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

- Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

**Respiratory protection:**

- Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

**PURFIX ULTRATECH ADHESIVE****9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state: Liquid

Appearance and colour: paste

Odour: latex like

Odour threshold: No data available

pH: 9,00

Melting point / freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: 94 °C (201 °F)

Evaporation rate: No data available

Upper/lower flammability or explosive limits: No data available

Vapour density: No data available

Vapour pressure: No data available

Relative density: No data available

Solubility in water: No data available

Solubility in oil: No data available

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Solid/gas flammability: No data available

**Other information**

Substance Groups relevant properties No data available

Miscibility: No data available

Fat Solubility: No data available

Conductivity: No data available

**10. Stability and reactivity****Reactivity**

Stable under normal conditions

**Chemical stability**

Data not available.

**Possibility of hazardous reactions**

None.

**Conditions to avoid**

Stable under normal conditions.

**Incompatible materials**

None in particular.

**Hazardous decomposition products**

None.

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**11. Toxicological information**

**Information on toxicological effects**

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

**Toxicological Information of the Preparation**

a) acute toxicity

Not classified Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Not classified Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

Not classified Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified Based on available data, the classification criteria are not met

f) carcinogenicity Not classified

Not classified Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified Based on available data, the classification criteria are not met

**Toxicological information on main components of the mixture:**

silica sand; quartz a) acute toxicity LD50 Oral Rat = 500 mg/kg

**Substance(s) listed on the IARC Monographs:**

silica sand; quartz Group 1

**Substance(s) listed as OSHA Carcinogen(s):**

silica sand; quartz

**Substance(s) listed as NIOSH Carcinogen(s):**

silica sand; quartz

**Substance(s) listed on the NTP report on Carcinogens:**

silica sand; quartz

**12. Ecological information**

**Ecotoxicity**

Adopt good working practices, so that the product is not released into the environment.

**List of Eco-Toxicological properties of the product**

Not classified for environmental hazards. Based on available data, the classification criteria are not met

**List of Eco-Toxicological properties of the components**

Component	Ident. Numb.	Ecotox Data
silica sand; quartz	CAS: 14808-60-7 - EINECS: 238-878-4	a) Aquatic acute toxicity : LC50 carp > 10000 mg/L 72h

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

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**13. Disposal considerations**

**Safe handling and methods for disposal**

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

**Methods of disposal:**

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

**Disposal considerations:**

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

**Special precautions:**

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

**14. Transport information**

Not classified as dangerous in the meaning of transport regulations.

**UN number**

TDG-UN number: Not Applicable  
ADR-UN number: Not Applicable  
DOT-UN Number: Not Applicable  
IATA-Un number: Not Applicable  
IMDG-Un number: Not Applicable

**UN proper shipping name**

TDG-Shipping Name: Not Applicable  
ADR-Shipping Name: Not Applicable  
DOT-Proper Shipping Name: Not Applicable  
IATA-Technical name: Not Applicable  
IMDG-Technical name: Not Applicable

**Transport hazard class(es)**

TDG-Class: Not Applicable  
ADR-Class: Not Applicable  
DOT-Hazard Class: Not Applicable  
IATA-Class: Not Applicable  
IMDG-Class: Not Applicable

**Packing group**

TDG-Packing Group: Not Applicable  
ADR-Packing Group: Not Applicable  
DOT Packing Group: Not Applicable  
IATA-Packing group: Not Applicable  
IMDG-Packing group: Not Applicable

**Environmental hazards**

Marine pollutant: No  
Environmental Pollutant: Not Applicable  
DOT-RQ: Not Applicable

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

Not Applicable

**Special precautions in connection with transport or conveyance**

TDG:  
Not Applicable  
Department of Transportation (DOT):  
Not Applicable  
Road and Rail (ADR-RID):  
Not Applicable  
Air (IATA):  
Not Applicable  
Sea (IMDG):  
Not Applicable

**PURFIX ULTRATECH ADHESIVE****15. Regulatory information****Canada - Federal regulations****DSL - Domestic Substances List****DSL (Domestic Substances List)**

All the substances are listed in the DSL.

**NDSL - Non Domestic Substances List****NDSL (Non Domestic Substances List)**

No substances listed

**NPRI - National Pollutant Release Inventory****NPRI (National Pollutant Release Inventory) - List of substances listed.**

No substances listed

**USA - Federal regulations****TSCA - Toxic Substances Control Act****TSCA inventory:**

All the components are listed on the TSCA inventory

**TSCA listed substances:**

silica sand; quartz is listed in TSCA Section 8b

**SARA - Superfund Amendments and Reauthorization Act****Section 302 - Extremely Hazardous Substances:**

No substances listed

**Section 304 - Hazardous substances:**

No substances listed

**Section 313 - Toxic chemical****CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act****Substance(s) listed under CERCLA:**

No substances listed

**CAA - Clean Air Act****CAA listed substances:**

No substances listed

**CWA - Clean Water Act****CWA listed substances:**

No substances listed

**USA - State specific regulations****California Proposition 65****Substance(s) listed under California Proposition 65:**

silica sand; quartz Listed as carcinogen

**Massachusetts Right to know:****Substance(s) listed under Massachusetts Right to Know:**

silica sand; quartz

Substance(s) listed under

**Pennsylvania Right to know:****Substance(s) listed under Pennsylvania Right to Know:**

silica sand; quartz

Substance(s) listed under

**New Jersey Right to know:****Substance(s) listed under New Jersey Right to Know:**

silica sand; quartz

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**16. Other information**

Safety Data Sheet dated: 5/2/2023 - version 1

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Code	Description
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure.

Code	Hazard class and hazard category	Description
A.6/1A	Carc. 1A	Carcinogenicity, Category 1A
A.9/1	STOT RE 1	Specific target organ toxicity following repeated exposure, Category 1

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.