


## 1. Identification

|   |  |                 |  |
|---|--|-----------------|--|
| <b>Product identifier</b>                                     | <b>Catalytic Converter Pad Adhesive</b>                |                 |  |
| <b>Other means of identification</b>                          | 008.SOA868V96  |                 |  |
| <b>Recommended use</b>  | Adhesive.  |                 |  |
| <b>Recommended restrictions</b>                               | None known.  |                 |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |  |                 |  |
| <b>Supplier</b>   |  |                 |  |
| <b>Company name</b>   | Wurth Canada Limited/Limitée                           |                 |  |
| <b>Address</b>  | 345 Hanlon Creek Blvd.<br>Guelph, ON N1C 0A1<br>Canada |                 |  |
| <b>Telephone</b>  | Telephone:   | +1-905-564-6225 |  |
|   | Toll free telephone:                                   | +1-800-263-5002 |  |
| <b>Website</b>  | www.wurth.ca   |                 |  |
| <b>E-mail</b>   | prodsafe@wurth.ca                                      |                 |  |
| <b>Emergency phone number</b>                                 | CHEMTREC (24/7): 1-800-424-9300                        |                 |  |

## 2. Hazard identification

|                                 |   |   |  |
|---------------------------------|---|---|--|
| <b>Physical hazards</b>         | Not classified.   |   |  |
| <b>Health hazards</b>           | Skin corrosion/irritation   | Category 2                              |  |
|                                 | Serious eye damage/eye irritation   | Category 1                              |  |
|                                 | Specific target organ toxicity following single exposure  | Category 3 respiratory tract irritation |  |
| <b>Environmental hazards</b>    | Not classified.   |   |  |
| <b>Label elements</b>           |    |   |  |
| <b>Signal word</b>              | Danger  |   |  |
| <b>Hazard statement</b>         | Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.  |   |  |
| <b>Precautionary statement</b>  |   |   |  |
| <b>Prevention</b>               | Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Avoid breathing vapours. Use only outdoors or in a well-ventilated area.   |   |  |
| <b>Response</b>                 | <p>IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.</p> <p>IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.</p> |   |  |
| <b>Storage</b>                  | Store in a well-ventilated place. Keep container tightly closed. Store locked up.   |   |  |
| <b>Disposal</b>                 | Dispose of container in accordance with local, regional, national and international regulations.  |   |  |
| <b>Other hazards</b>            | None known.   |   |  |
| <b>Supplemental information</b> | None.   |   |  |

## 3. Composition/information on ingredients

### Mixtures

| Chemical name             | Common name and synonyms | CAS number | %      |
|---------------------------|--------------------------|------------|--------|
| Silicic acid, sodium salt |                          | 1344-09-8  | 30-60* |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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#### 4. First-aid measures

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|---|---|
| <b>Inhalation</b>   | IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.   |
| <b>Skin contact</b>   | IF ON SKIN: Wash with plenty of water. Specific treatment (see information on this label). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.                                       |
| <b>Eye contact</b>  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.  |
| <b>Ingestion</b>  | Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.                 |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Skin irritation. May cause redness and pain. |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically.  |
| <b>General information</b>  | If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.  |

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#### 5. Fire-fighting measures

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| <b>Suitable extinguishing media</b>                                  | Foam. Powder. Carbon dioxide.   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Hazardous combustion products</b>                                 | None known.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

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#### 6. Accidental release measures

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| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | Use water spray to reduce vapours or divert vapour cloud drift. This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| <b>Environmental precautions</b>   | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.  |

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#### 7. Handling and storage

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|---|---|
| <b>Precautions for safe handling</b>                                | Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Use only outdoors or in a well-ventilated area. Avoid breathing vapour. When using do not eat or drink. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Store in tightly closed container. Store away from strong oxidizers. Avoid storage under direct sunlight. Store away from incompatible materials (see Section 10 of the SDS). Store in a cool place below 120°F (49°C). Keep out of reach of children.   |

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## 8. Exposure controls/Personal protection

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| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).   |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields. Face shield is recommended.  |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Impervious gloves. Confirm with reputable supplier first.   |
| <b>Other</b>   | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Use of impervious boots is recommended. As required by employer code.  |
| <b>Respiratory protection</b>  | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).  |
| <b>Thermal hazards</b>   | Not applicable.   |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.   |

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## 9. Physical and chemical properties

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|   |                                 |
|---|---------------------------------|
| <b>Appearance</b>                                   | Clear to Slightly hazy          |
| <b>Physical state</b>                               | Liquid.                         |
| <b>Form</b>   | Liquid.                         |
| <b>Colour</b>                                       | Colourless                      |
| <b>Odour</b>  | Odourless                       |
| <b>Odour threshold</b>                              | Not available.                  |
| <b>pH</b>   | 11 - 12                         |
| <b>Melting point/freezing point</b>                 | -1 °C (30.2 °F)                 |
| <b>Initial boiling point and boiling range</b>      | 101 - 102 °C (213.8 - 215.6 °F) |
| <b>Flash point</b>                                  | Not available.                  |
| <b>Evaporation rate</b>                             | Not available.                  |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                 |
| <b>Upper/lower flammability or explosive limits</b> |                                 |
| <b>Flammability limit - lower (%)</b>               | Not available.                  |
| <b>Flammability limit - upper (%)</b>               | Not available.                  |
| <b>Explosive limit - lower (%)</b>                  | Not available.                  |
| <b>Explosive limit - upper (%)</b>                  | Not available.                  |
| <b>Vapour pressure</b>                              | Not available.                  |
| <b>Vapour density</b>                               | Not available.                  |
| <b>Relative density</b>                             | 1.41 @ 20°C                     |
| <b>Solubility(ies)</b>                              |                                 |
| <b>Solubility (water)</b>                           | Complete                        |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                  |
| <b>Auto-ignition temperature</b>                    | Not available.                  |
| <b>Decomposition temperature</b>                    | Not available.                  |
| <b>Viscosity</b>                                    | 20 - 1500 cPs                   |
| <b>Other information</b>                            |                                 |
| <b>Density</b>                                      | 11.75 @ 20°C                    |

|                             |                |
|-----------------------------|----------------|
| <b>Explosive properties</b> | Not explosive. |
| <b>Oxidising properties</b> | Not oxidising. |

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## 10. Stability and reactivity

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|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.   |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.   |
| <b>Conditions to avoid</b>                | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. This product may react with strong acids. Do not mix with other chemicals. |
| <b>Incompatible materials</b>             | Strong oxidising agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

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## 11. Toxicological information

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### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation to the respiratory system. |
| <b>Skin contact</b> | Causes skin irritation.                         |
| <b>Eye contact</b>  | Causes serious eye damage.                      |
| <b>Ingestion</b>    | May cause stomach distress, nausea or vomiting. |

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Skin irritation. May cause redness and pain.

### Information on toxicological effects

#### Acute toxicity

| Components                                | Species | Test Results                 |
|---|---------|------------------------------|
| Silicic acid, sodium salt (CAS 1344-09-8) |         |                              |
| <b>Acute</b>                              |         |                              |
| <i>Dermal</i>                             |         |                              |
| LD50                                      | Rat     | > 5000 mg/kg, 24 Hours, ECHA |
| <i>Inhalation</i>                         |         |                              |
| LC50                                      | Rat     | > 2.1 mg/L, 4 Hours, ECHA    |
| <i>Oral</i>                               |         |                              |
| LD50                                      | Rat     | 3400 mg/kg, ECHA             |

**Skin corrosion/irritation** Causes skin irritation.

|                         |                |
|-------------------------|----------------|
| <b>Exposure minutes</b> | Not available. |
| <b>Erythema value</b>   | Not available. |
| <b>Oedema value</b>     | Not available. |

**Serious eye damage/eye irritation** Causes serious eye damage.

|                                     |                |
|-------------------------------------|----------------|
| <b>Corneal opacity value</b>        | Not available. |
| <b>Iris lesion value</b>            | Not available. |
| <b>Conjunctival reddening value</b> | Not available. |
| <b>Conjunctival oedema value</b>    | Not available. |
| <b>Recover days</b>                 | Not available. |

#### Respiratory or skin sensitisation

|                                  |   |
|----------------------------------|---|
| <b>Respiratory sensitisation</b> | Not a respiratory sensitizer.                             |
| <b>Skin sensitisation</b>        | This product is not expected to cause skin sensitisation. |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Non-hazardous by WHMIS criteria.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** May cause respiratory irritation.

|   |                           |
|---|---------------------------|
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.           |
| <b>Aspiration hazard</b>                                  | Not an aspiration hazard. |
| <b>Chronic effects</b>                                    | Not available.            |
| <b>Further information</b>                                | Not available.            |

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## 12. Ecological information

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**Ecotoxicity** See below

### Ecotoxicological data

| Components                                | Species   | Test Results  |
|---|---|---|
| Silicic acid, sodium salt (CAS 1344-09-8) |   |   |
| <b>Aquatic</b>                            |   |   |
| Crustacea                                 | EC50  | Water flea (Ceriodaphnia dubia) 0.28 - 0.57 mg/L, 48 hours  |
| Fish                                      | LC50  | Western mosquitofish (Gambusia affinis) 1800 mg/L, 96 hours |
| <b>Persistence and degradability</b>      | No data is available on the degradability of any ingredients in the mixture.  |   |
| <b>Bioaccumulative potential</b>          | No data available.  |   |
| <b>Mobility in soil</b>                   | No data available.  |   |
| <b>Mobility in general</b>                | Not available.  |   |
| <b>Other adverse effects</b>              | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |   |

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## 13. Disposal considerations

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|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.                         |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.       |

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## 14. Transport information

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|---|---|
| <b>General</b>  | Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below. |
| <b>Transportation of Dangerous Goods (TDG - Canada)</b> | Not regulated as dangerous goods.   |

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## 15. Regulatory information

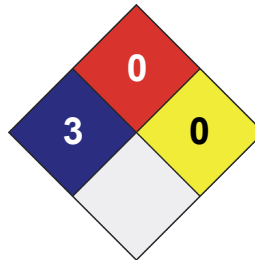
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|  |  |                               |
|--|--|-------------------------------|
| <b>Canadian federal regulations</b>  | This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR. |                               |
| <b>Export Control List (CEPA 1999, Schedule 3)</b>   | Not listed.  |                               |
| <b>Greenhouse Gases</b>  | Not listed.  |                               |
| <b>Precursor Control Regulations</b>   | Not regulated.   |                               |
| <b>WHMIS status</b>  | Controlled   |                               |
| <b>International regulations</b>   |  |                               |
| <b>Inventory status</b>  |  |                               |
| <b>Country(s) or region</b>  | <b>Inventory name</b>  | <b>On inventory (yes/no)*</b> |
| Canada   | Domestic Substances List (DSL)   | Yes                           |
| Canada   | Non-Domestic Substances List (NDSL)  | No                            |
| *A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) |  |                               |

## 16. Other information

| LEGEND   |   |
|----------|---|
| Severe   | 4 |
| Serious  | 3 |
| Moderate | 2 |
| Slight   | 1 |
| Minimal  | 0 |

|                     |     |
|---------------------|-----|
| HEALTH              | / 3 |
| FLAMMABILITY        | 0   |
| PHYSICAL HAZARD     | 0   |
| PERSONAL PROTECTION | X   |



**Issue date** 21-February-2020

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**Version No.** 01

**Other information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

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