

# Safety Data Sheet

## 1. Identification

|                                 |                                     |
|---------------------------------|-------------------------------------|
| <b>Product identifier</b>       | TCA 2.1                             |
| <b>Recommended use</b>          | Thermal gel with adhesive           |
| <b>Recommended restrictions</b> | No restrictions on use known        |
| <b>Chemical family</b>          | Mixture                             |
| <b>Company name</b>             | <b>TCLAD</b>                        |
| <b>Address</b>                  | 1600 Orrin Road, Prescott, WI 54021 |
| <b>Telephone</b>                | +1 715 262 8206                     |

## 2. Hazard(s) identification

This material is not classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).



|                                   |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
| <b>Physical hazards</b>           | This mixture does not meet the classification criteria according to OSHA Hazcom 2012. |
| <b>Health hazards</b>             | This mixture does not meet the classification criteria according to OSHA Hazcom 2012. |
| <b>Environmental hazards</b>      | Not currently regulated by OSHA, refer to Section 12 for additional information.      |
| <b>OSHA defined hazards</b>       | This mixture does not meet the classification criteria according to OSHA Hazcom 2012. |
| <b>Label elements</b>             | None required according to OSHA Hazcom 2012.                                          |
| <b>Signal Word</b>                | Warning.                                                                              |
| <b>Hazard statement(s)</b>        | None required according to OSHA Hazcom 2012.                                          |
| <b>Precautionary statement(s)</b> |                                                                                       |

Store in well-ventilated place. Keep away from ignition sources—No smoking. Do not wear contact lenses. Chemical safety goggles are recommended. Avoid eyes and skin contact. Wear suitable protective equipment. Call a doctor or physician if you feel unwell.

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| <b>Hazard(s) not otherwise</b>  | No OSHA defined hazard classes.                      |
| <b>Classified (HNOC)</b>        | Other hazards which do not result in classification: |
| <b>Supplemental information</b> | Not applicable                                       |

## 3. Composition/information on ingredients

| Chemical name           | Common name and synonyms | CAS number | Concentration(%) |
|-------------------------|--------------------------|------------|------------------|
| Silicone polymer filled | Aluminum hydroxide       | 21645-51-2 | 50%              |
| with fillers            | Polydimethylsiloxanes    | 63148-62-9 | 50%              |

## 4. First-aid measures

|                     |     |
|---------------------|-----|
| <b>Inhalation</b>   | N/A |
| <b>Skin contact</b> | N/A |

|                            |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>         | Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. |
| <b>Ingestion</b>           | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Obtain medical attention if symptoms develop and persist.                       |
| <b>General information</b> | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance    |

## 5. Fire-fighting measures

|                                                                       |                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                   | Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.                                                                                                                                                                                           |
| <b>Unsuitable extinguishing media</b>                                 | None known                                                                                                                                                                                                                                                                                                            |
| <b>Specific hazards arising from the chemical</b>                     | Toxic fumes may be released during a fire. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.                                                                                                                                                                   |
| <b>Special protective equipment and Precautions for fire-fighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. |
| <b>Fire-fighting Equipment/instructions</b>                           | Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.                                                                                                           |
| <b>Specific methods</b>                                               | Use standard firefighting procedures and consider the hazards of other involved materials.                                                                                                                                                                                                                            |
| <b>General fire hazards</b>                                           | Not classified as flammable. However, may burn if exposed to extreme heat and flame.                                                                                                                                                                                                                                  |
| <b>Hazardous combustion products</b>                                  | Carbon oxides; Metal oxides; Silica; formaldehyde; Silicon oxides                                                                                                                                                                                                                                                     |

## 6. Accidental release measures

|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Methods for cleaning up</b>   | Vacuum or sweep up material and dispose of material in accordance with federal, state, and local regulations. |
| <b>Environmental precautions</b> | Prevent product from entering drains, sewers, waterways and soil.                                             |

## 7. Handling and storage

No special precautions need to be taken when handling this material.

## 8. Exposure controls/personal protection

|                                      |                                                                        |
|--------------------------------------|------------------------------------------------------------------------|
| <b>Engineering Controls</b>          | No special ventilation requirements if good ventilation is maintained. |
| <b>Personal Protective Equipment</b> | No special requirement                                                 |
| <b>General Hygiene</b>               | Wash hands thoroughly after handling and before eating or drinking.    |
| <b>Considerations</b>                |                                                                        |
| <b>Exposure Guidelines</b>           | Not Available                                                          |

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## 9. Physical and chemical properties

### Appearance

|                                         |                 |
|-----------------------------------------|-----------------|
| Physical state                          | Liquid          |
| Form                                    | Liquid          |
| Color                                   | Gray            |
| Odor                                    | None            |
| Odor threshold                          | N/Av            |
| pH                                      | 6 to 8          |
| Melting point /freezing point           | N/Av            |
| Initial boiling point and boiling range | 182 °C          |
| Flash point                             | 113 °C          |
| Evaporation rate                        | N/Av            |
| Flammability (solid, gas)               | Not applicable. |

### Lower flammability/explosive limit

N/Av

### Upper flammability/explosive Limit

N/Av

Vapor pressure N/Av

Vapor density N/Av

Relative density 1.6

### Solubility(ies)

Other solubility(ies) N/Av

Solubility (water) Insoluble

Partition coefficient N/Av

(n-octanol/water)

Auto-ignition temperature N/Av

Decomposition temperature N/Av

Viscosity N/Av

### Other information

Explosive properties Not explosive

Oxidizing properties None known

Specific gravity 2.7

VOC N/Av

Volatilities % N/Av

### Other physical/chemical data

No additional information

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## 10. Stability and reactivity

Reactivity Not normally reactive.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.

Conditions to avoid Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact

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with incompatible materials.

**Incompatible materials** Strong oxidizing agents; Strong acids.

**Hazardous decomposition products** None known, refer to hazardous combustion products in Section 5.

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## 11. Toxicological information

**Effects from Eye Contact** Contact with the eyes during product use is not expected to result in significant irritation.

**Effects from Skin Contact** Contact with the skin during product use is not expected to result in significant irritation.

**Effects from Inhalation** No health effects are expected.

**Effects from Ingestion** No health effects are expected.

**Numerical Measures of Toxicity** No data available.

**Other Effects and Information** This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

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## 12. Ecological information

No specific ecological data for this material is available. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

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## 13. Disposal consideration

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations** Dispose in accordance with all applicable federal, state, territory and local regulations.

**Hazardous waste code** If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

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## 14. Transport information

**49CFR/DOT**

Not regulated as dangerous goods

**ICAO/IATA**

Not regulated as dangerous goods

**IMDG**

Not regulated as dangerous goods

**General information** Appropriate advice on safety must accompany the package.

This product does not meet the criteria for an environmentally hazardous mixture,

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according to the IMDG Code. See Section 12 for more environmental information.

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78 and the IBC Code**

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#### **15. Regulatory information**

SARA Section 302: Not listed

SARA Section 311, 312: Not listed

SARA Section 313: Not listed

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#### **16. Other information, including date of preparation or last revision**

**Issue date** 06/30/2026

**Version#** 1

**Disclaimer:** The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.