



# SAFETY DATA SHEET

## 1. Identification

**Material name:** DURAL 50 LM 2:1 PART A  
**Material:** TA5333305

**Recommended use and restriction on use**

**Recommended use:** Sealant  
**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

EUCLID CHEMICAL COMPANY  
19218 REDWOOD ROAD  
CLEVELAND OH 44110  
US

**Contact person:** EH&S Department  
**Telephone:** 216-531-9222  
**Emergency telephone number:** 1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

|                                   |            |
|-----------------------------------|------------|
| Skin Corrosion/Irritation         | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2 |
| Skin sensitizer                   | Category 1 |
| Carcinogenicity                   | Category 2 |

#### Unknown toxicity - Health

|  |         |
|--|---------|
| Acute toxicity, dermal                   | 91.61 % |
| Acute toxicity, inhalation, vapor        | 34.09 % |
| Acute toxicity, inhalation, dust or mist | 34.09 % |

#### Environmental Hazards

|  |            |
|--|------------|
| Acute hazards to the aquatic environment   | Category 2 |
| Chronic hazards to the aquatic environment | Category 2 |

#### Unknown toxicity - Environment

|  |         |
|--|---------|
| Acute hazards to the aquatic environment   | 25.69 % |
| Chronic hazards to the aquatic environment | 25.69 % |

**Label Elements****Hazard Symbol:****Signal Word:**

Warning

**Hazard Statement:**

Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
Suspected of causing cancer.  
Toxic to aquatic life with long lasting effects.

**Precautionary Statements****Prevention:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. Use personal protective equipment as required.

**Response:**

IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing. Specific treatment (see supplemental first aid instructions on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Collect spillage.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Hazard(s) not otherwise classified (HNOC):**

None.

**3. Composition/information on ingredients****Mixtures**



| Chemical Identity                    | CAS number | Content in percent (%)* |
|--------------------------------------|------------|-------------------------|
| Bisphenol A Polyglycidyl Ether Resin | 25068-38-6 | 50 - <100%              |
| Aliphatic glycidyl ether             | 2461-15-6  | 20 - <50%               |
| Acrylate Ester                       | 15625-89-5 | 5 - <10%                |

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

#### 4. First-aid measures

##### Description of necessary first-aid measures

|  |   |
|--|---|
| <b>Inhalation:</b>                                   | Move to fresh air.  |
| <b>Skin Contact:</b>                                 | Get medical attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention. |
| <b>Eye contact:</b>                                  | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.  |
| <b>Ingestion:</b>                                    | Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  |
| <b>Personal Protection for First-aid Responders:</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |

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

|                  |   |
|------------------|---|
| <b>Symptoms:</b> | Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Extreme irritation of eyes and mucous membranes, including burning and tearing. |
| <b>Hazards:</b>  | No data available.  |

##### Indication of immediate medical attention and special treatment needed

|                   |                          |
|-------------------|--------------------------|
| <b>Treatment:</b> | Symptoms may be delayed. |
|-------------------|--------------------------|

#### 5. Fire-fighting measures

|                              |   |
|------------------------------|---|
| <b>General Fire Hazards:</b> | No unusual fire or explosion hazards noted. |
|------------------------------|---|

##### Suitable (and unsuitable) extinguishing media

|  |  |
|--|--|
| <b>Suitable extinguishing media:</b>   | Use fire-extinguishing media appropriate for surrounding materials.    |
| <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. |
|--|---|

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



|  |   |
|--|---|
| <b>Special fire-fighting procedures:</b>               | No data available.  |
| <b>Special protective equipment for fire-fighters:</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |

## 6. Accidental release measures

|   |   |
|---|---|
| <b>Personal precautions, protective equipment and emergency procedures:</b> | See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. |
| <b>Accidental release measures:</b>   | In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.   |
| <b>Methods and material for containment and cleaning up:</b>                | Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.               |
| <b>Environmental Precautions:</b>   | Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.  |

## 7. Handling and storage

### Handling

|   |   |
|---|---|
| <b>Technical measures (e.g. Local and general ventilation):</b> | Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.  |
| <b>Safe handling advice:</b>                                    | Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with skin. Avoid contact with eyes, skin, and clothing. |
| <b>Contact avoidance measures:</b>                              | No data available.  |
| <b>Hygiene measures:</b>  | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace.  |

### Storage

|                                  |                    |
|----------------------------------|--------------------|
| <b>Safe storage conditions:</b>  | Store locked up.   |
| <b>Safe packaging materials:</b> | No data available. |

## 8. Exposure controls/personal protection

### Control Parameters

**Occupational Exposure Limits**

None of the components have assigned exposure limits.  
None of the components have assigned exposure limits.  
None of the components have assigned exposure limits.

**Appropriate Engineering Controls**

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:** Additional Information: Use suitable protective gloves if risk of skin contact.

**Skin and Body Protection:** Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:** Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties****Appearance**

|  |   |
|--|---|
| <b>Physical state:</b>                                       | liquid                                  |
| <b>Form:</b>   | liquid                                  |
| <b>Color:</b>  | Colorless                               |
| <b>Odor:</b>   | Mild                                    |
| <b>Odor threshold:</b>                                       | No data available.                      |
| <b>pH:</b>   | No data available.                      |
| <b>Melting point/freezing point:</b>                         | No data available.                      |
| <b>Initial boiling point and boiling range:</b>              | No data available.                      |
| <b>Flash Point:</b>  | > 93 °C > 200 °F (Setaflash Closed Cup) |
| <b>Evaporation rate:</b>                                     | Slower than Ether                       |
| <b>Flammability (solid, gas):</b>                            | No                                      |
| <b>Upper/lower limit on flammability or explosive limits</b> |   |
| <b>Flammability limit - upper (%):</b>                       | No data available.                      |
| <b>Flammability limit - lower (%):</b>                       | No data available.                      |
| <b>Explosive limit - upper:</b>                              | No data available.                      |
| <b>Explosive limit - lower:</b>                              | No data available.                      |



|   |   |
|---|---|
| <b>Vapor pressure:</b>                          | No data available.  |
| <b>Vapor density:</b>                           | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| <b>Relative density:</b>                        | 1.13  |
| <b>Solubility(ies)</b>                          |   |
| <b>Solubility in water:</b>                     | Insoluble in water  |
| <b>Solubility (other):</b>                      | No data available.  |
| <b>Partition coefficient (n-octanol/water):</b> | No data available.  |
| <b>Auto-ignition temperature:</b>               | No data available.  |
| <b>Decomposition temperature:</b>               | No data available.  |
| <b>Viscosity:</b>                               | No data available.  |

## 10. Stability and reactivity

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No data available.  |
| <b>Chemical Stability:</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions:</b> | No data available.  |
| <b>Conditions to avoid:</b>                | Avoid heat or contamination.  |
| <b>Incompatible Materials:</b>             | No data available.  |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

## 11. Toxicological information

### Information on likely routes of exposure

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.     |
| <b>Skin Contact:</b> | May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. |
| <b>Eye contact:</b>  | Eye contact is possible and should be avoided.  |
| <b>Ingestion:</b>    | May be harmful if swallowed.  |

### Symptoms related to the physical, chemical and toxicological characteristics

|                      |                    |
|----------------------|--------------------|
| <b>Inhalation:</b>   | No data available. |
| <b>Skin Contact:</b> | No data available. |
| <b>Eye contact:</b>  | No data available. |
| <b>Ingestion:</b>    | No data available. |

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)****Oral****Product:** ATEmix: 3,034.22 mg/kg**Dermal****Product:** ATEmix: 2,000.6 mg/kg**Inhalation****Product:****Specified substance(s):**Bisphenol A Polyglycidyl Ether Resin  
LC 50: > 20 mg/l  
LC 50: > 5 mg/l**Repeated dose toxicity****Product:** No data available.**Skin Corrosion/Irritation****Product:** No data available.**Specified substance(s):**Bisphenol A Polyglycidyl Ether Resin  
in vivo (Rabbit): Moderately irritating , 24 h

Aliphatic glycidyl ether in vivo (Rabbit): Category 2 , 24 - 72 h

Acrylate Ester in vivo (Rabbit): severely irritant , 24 h

**Serious Eye Damage/Eye Irritation****Product:** No data available.**Specified substance(s):**

Aliphatic glycidyl ether Rabbit, 24 - 72 h: Not Classified

**Respiratory or Skin Sensitization****Product:** No data available.**Carcinogenicity****Product:** Suspected of causing cancer.



**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

Acrylate Ester Overall evaluation: Possibly carcinogenic to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended:**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Acrylate Ester LC 50 (Danio rerio, 96 h): 0.87 mg/l



**Aquatic Invertebrates****Product:** No data available.**Specified substance(s):**

Bisphenol A Polyglycidyl Ether Resin EC 50 (Daphnia magna, 48 h): 2 mg/l Experimental result, Key study

Acrylate Ester LC 50 (Daphnia magna, 48 h): 19.9 mg/l Experimental result, Key study

**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**Specified substance(s):**

Bisphenol A Polyglycidyl Ether Resin 82 % (28 d) Detected in water. Experimental result, Key study

Acrylate Ester 82 - 90 % (28 d) Detected in water. Experimental result, Key study

**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log Kow)****Product:** No data available.**Specified substance(s):**

Bisphenol A Polyglycidyl Ether Resin Log Kow: 2.64 - 3.78 25 °C Yes Experimental result, Key study

**Mobility in soil:**

No data available.

**Other adverse effects:**

Toxic to aquatic life with long lasting effects.



### 13. Disposal considerations

**Disposal methods:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** No data available.

### 14. Transport information

**TDG:**  
Not Regulated

**CFR / DOT:**  
Not Regulated

**IMDG:**  
Not Regulated

### 15. Regulatory information

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**  
None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended**  
None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**  
None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Immediate (Acute) Health Hazards
- Delayed (Chronic) Health Hazard
- Skin Corrosion or Irritation
- Respiratory or Skin Sensitization
- Carcinogenicity



**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

Not Regulated.

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

Not Regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**



**WARNING**

Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**International regulations**

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

**Kyoto protocol**

Not applicable

**VOC:** When appropriately mixed with the other part, product has a VOC less water and exempt solvent of: 82 g/l

Regulatory VOC (less water and exempt solvent) : < 5 g/l

VOC Method 310 : 0.00 %

**Inventory Status:**

|  |  |
|--|--|
| Canada DSL Inventory List:               | All components in this product are listed on or exempt from the Inventory.             |
| EC Inventory:                            | All components in this product are listed on or exempt from the Inventory.             |
| Japan (ENCS) List:                       | All components in this product are listed on or exempt from the Inventory.             |
| China Inv. Existing Chemical Substances: | All components in this product are listed on or exempt from the Inventory.             |
| Korea Existing Chemicals Inv. (KECI):    | All components in this product are listed on or exempt from the Inventory.             |
| Canada NDSL Inventory:                   | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS:                       | All components in this product are listed on or exempt from the Inventory.             |
| US TSCA Inventory:                       | All components in this product are listed on or exempt from the Inventory.             |
| New Zealand Inventory of Chemicals:      | All components in this product are listed on or exempt from the Inventory.             |
| Japan ISHL Listing:                      | All components in this product are listed on or exempt from the Inventory.             |
| Japan Pharmacopoeia Listing:             | One or more components in this product are not listed on or exempt from the Inventory. |
| Australia Industrial Chem. Act (AICC):   | One or more components in this product are not listed on or exempt from the Inventory. |
| Ontario Inventory:                       | One or more components in this   |



product are not listed on or exempt from the Inventory.

Mexico INSQ:

One or more components in this product are not listed on or exempt from the Inventory.

Taiwan Chemical Substance Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

Switzerland New Subs  
Notified/Registered:

One or more components in this product are not listed on or exempt from the Inventory.

Thailand DIW Existing Chemical Inv.  
List:

One or more components in this product are not listed on or exempt from the Inventory.

Vietnam National Chemical Inventory:

One or more components in this product are not listed on or exempt from the Inventory.

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

**Revision Date:** 05/30/2024

**Version #:** 3.0

**Further Information:** No data available.

**Disclaimer:** For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.