


**SECTION 1. IDENTIFICATION**

|   |   |  |
|---|---|--|
| Product name  | : | Sika® Sigunit® L-50 AF   |
| Other means of identification                           | : | No data available  |
| Company name  | : | 601, avenue Delmar<br>Canada<br>Pointe-Claire, QC H9R 4A9<br>Sika Canada Inc.<br>www.sika.ca |
| Telephone   | : | (514) 697-2610 / 1 (800) 933-7452  |
| Telefax   | : | (514) 694-2792   |
| E-mail address  | : | ehs@ca.sika.com  |
| Emergency telephone                                     | : | CANUTEC (collect) (613) 996-6666 (24 hours)  |
| Recommended use of the chemical and restrictions on use | : | For further information, refer to product data sheet.  |

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

|                    |   |             |
|--------------------|---|-------------|
| Skin corrosion     | : | Category 1A |
| Serious eye damage | : | Category 1  |

**GHS label elements**

|                   |   |   |
|-------------------|---|---|
| Hazard pictograms | : |  |
|-------------------|---|---|

|                   |   |   |
|-------------------|---|---|
| Signal Word       | : | Danger  |
| Hazard Statements | : | H314 Causes severe skin burns and eye damage. |

|                          |   |   |
|--------------------------|---|---|
| Precautionary Statements | : | <b>Prevention:</b><br>P264 Wash skin thoroughly after handling.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br><b>Response:</b><br>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. |
|--------------------------|---|---|



P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 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/ doctor.

P363 Wash contaminated clothing before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Additional Labeling**

There are no ingredients with unknown acute toxicity used in a mixture at a concentration  $\geq 1\%$ .

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

| Chemical name      | CAS-No.    | Classification  | Concentration (% w/w) |
|--------------------|------------|---|-----------------------|
| aluminium sulphate | 10043-01-3 | Eye Dam. 1; H318  | $\geq 10 - < 30$      |
| formic acid        | 64-18-6    | Flam. Liq. 4; H227<br>Acute Tox. 4; H302<br>Acute Tox. 3; H331<br>Skin Corr. 1A; H314<br>Eye Dam. 1; H318 | $\geq 5 - < 10$       |

Actual concentration or concentration range is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.



- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.
  
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not induce vomiting without medical advice.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.
  
- Most important symptoms and effects, both acute and delayed : Health injuries may be delayed.  
corrosive effects  
Dermatitis  
Causes serious eye damage.  
Causes severe burns.
  
- Notes to physician : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
  
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
  
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Deny access to unprotected persons.
  
- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Local authorities should be advised if significant spillages cannot be contained.
  
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.



## SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Store in accordance with local regulations.
- Materials to avoid : Explosives  
Oxidizing agents  
Poisonous gases  
Dangerous when wet  
Flammable solids  
Organic peroxides  
Poisonous liquids  
Spontaneously Combustible Substances

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

| Components         | CAS-No.    | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis     |
|--------------------|------------|----------------------------------|--|-----------|
| aluminium sulphate | 10043-01-3 | TWA                              | 2 mg/m <sup>3</sup><br>(Aluminum)              | CA AB OEL |
|                    |            | TWAEV                            | 2 mg/m <sup>3</sup><br>(Aluminum)              | CA QC OEL |
| formic acid        | 64-18-6    | TWA                              | 5 ppm<br>9.4 mg/m <sup>3</sup>                 | CA AB OEL |
|                    |            | STEL                             | 10 ppm<br>19 mg/m <sup>3</sup>                 | CA AB OEL |
|                    |            | TWA                              | 5 ppm  | CA BC OEL |
|                    |            | STEL                             | 10 ppm   | CA BC OEL |
|                    |            | STEV                             | 10 ppm<br>19 mg/m <sup>3</sup>                 | CA QC OEL |
|                    |            | TWAEV                            | 5 ppm<br>9.4 mg/m <sup>3</sup>                 | CA QC OEL |



|  |  |      |        |       |
|--|--|------|--------|-------|
|  |  | TWA  | 5 ppm  | ACGIH |
|  |  | STEL | 10 ppm | ACGIH |

**Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Personal protective equipment**

**Respiratory protection** : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

**Skin and body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Hygiene measures** : Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Wash thoroughly after handling.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : various

Odor : odorless

Odor Threshold : No data available

pH : ca. 3.5

Melting point/range / Freezing point : No data available



|  |   |   |
|--|---|---|
| Boiling point/boiling range                      | : | No data available                         |
| Flash point                                      | : | > 101 °C (214 °F)<br>(Method: closed cup) |
| Evaporation rate                                 | : | No data available                         |
| Flammability (solid, gas)                        | : | No data available                         |
| Upper explosion limit / Upper flammability limit | : | No data available                         |
| Lower explosion limit / Lower flammability limit | : | No data available                         |
| Vapor pressure                                   | : | 44 hpa                                    |
| Relative vapor density                           | : | No data available                         |
| Density  | : | not determined                            |
| Solubility(ies)                                  |   |   |
| Water solubility                                 | : | soluble                                   |
| Solubility in other solvents                     | : | No data available                         |
| Partition coefficient: n-octanol/water           | : | No data available                         |
| Autoignition temperature                         | : | No data available                         |
| Decomposition temperature                        | : | No data available                         |
| Viscosity  |   |   |
| Viscosity, dynamic                               | : | No data available                         |
| Viscosity, kinematic                             | : | not determined                            |
| Explosive properties                             | : | No data available                         |
| Oxidizing properties                             | : | No data available                         |

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**SECTION 10. STABILITY AND REACTIVITY**

|                                    |   |   |
|------------------------------------|---|---|
| Reactivity                         | : | No dangerous reaction known under conditions of normal use. |
| Chemical stability                 | : | The product is chemically stable.                           |
| Possibility of hazardous reactions | : | Stable under recommended storage conditions.                |
| Conditions to avoid                | : | No data available   |
| Incompatible materials             | : | No data available   |



Hazardous decomposition products : No decomposition if stored and applied as directed.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Not classified based on available information.

**Components:**

**aluminium sulphate:**

Acute oral toxicity : LD50 Oral (Rat): 1,930 mg/kg

**formic acid:**

Acute oral toxicity : LD50 Oral (Rat): 730 mg/kg

Acute inhalation toxicity : LC50 (Rat): 7.4 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

**Skin corrosion/irritation**

Causes severe burns.

**Components:**

**aluminium sulphate:**

Result : Skin irritation

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

**Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC** Not applicable

**OSHA** Not applicable

**NTP** Not applicable



**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

Additional ecological information : Do not empty into drains; dispose of this material and its container in a safe way.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : Disposal of this product, solutions 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.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**SECTION 14. TRANSPORT INFORMATION**

**International Regulations**

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**





Not regulated as a dangerous good

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

Not applicable for product as supplied.

**Domestic regulation**

**TDG**

Not regulated as a dangerous good

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**SECTION 15. REGULATORY INFORMATION**

**Canadian lists**

No substances are subject to a Significant New Activity Notification.

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**SECTION 16. OTHER INFORMATION**

**Full text of other abbreviations**

|                   |   |   |
|-------------------|---|---|
| ACGIH             | : | USA. ACGIH Threshold Limit Values (TLV)   |
| CA AB OEL         | : | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)   |
| CA BC OEL         | : | Canada. British Columbia OEL  |
| CA QC OEL         | : | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| ACGIH / TWA       | : | 8-hour, time-weighted average   |
| ACGIH / STEL      | : | Short-term exposure limit   |
| CA AB OEL / TWA   | : | 8-hour Occupational exposure limit  |
| CA AB OEL / STEL  | : | 15-minute occupational exposure limit   |
| CA BC OEL / TWA   | : | 8-hour time weighted average  |
| CA BC OEL / STEL  | : | short-term exposure limit   |
| CA QC OEL / TWAEV | : | Time-weighted average exposure value  |
| CA QC OEL / STEV  | : | Short-term exposure value   |
| ADR               | : | Accord européen relatif au transport international des marchandises Dangereuses par Route   |
| CAS               | : | Chemical Abstracts Service  |
| DNEL              | : | Derived no-effect level   |
| EC50              | : | Half maximal effective concentration  |
| GHS               | : | Globally Harmonized System  |
| IATA              | : | International Air Transport Association   |
| IMDG              | : | International Maritime Code for Dangerous Goods   |
| LD50              | : | Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)   |
| LC50              | : | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)    |
| MARPOL            | : | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978                           |
| OEL               | : | Occupational Exposure Limit   |



|       |   |  |
|-------|---|--|
| PBT   | : | Persistent, bioaccumulative and toxic  |
| PNEC  | : | Predicted no effect concentration  |
| REACH | : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC  | : | Substances of Very High Concern  |
| vPvB  | : | Very persistent and very bioaccumulative   |

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|                 |   |                           |
|-----------------|---|---------------------------|
| Revision Date   | : | 07/13/2022                |
| Date format     | : | mm/dd/yyyy                |
| Prepared by     | : | R & D of Sika Canada Inc. |
| Material number | : | 534,047                   |

CA / Z8