

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## SikaFlow-690 PTB

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: 09/15/2020  |
| 2.0     | 03/16/2024     | 000000261493 | Date of first issue: 09/15/2020 |

### SECTION 1. IDENTIFICATION

Product name : SikaFlow-690 PTB

Product code : 000000000059108058

#### Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE  
Lyndhurst NJ 07071

Emergency telephone : ChemTel: +1-813-248-0585

National Emergency Telephone Number : USA: +1-800-255-3924 ChemTel contract no. MIS9240420

#### Recommended use of the chemical and restrictions on use

Recommended use : Grouting applications

Restrictions on use : Reserved for industrial and professional use.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity (Oral) : Category 4

Acute toxicity (Dermal) : Category 4

Skin corrosion : Category 1B

Serious eye damage : Category 1

Skin sensitization : Category 1

Short-term (acute) aquatic hazard : Category 3

Long-term (chronic) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms :



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Signal Word : Danger

Hazard Statements : H302 + H312 Harmful if swallowed or in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P261 Avoid breathing mist or vapors.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
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.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.

**Storage:**  
P405 Store locked up.

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

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Amines

### Components

| Chemical name | CAS-No. | Concentration (% w/w) |
|---------------|---------|-----------------------|
|---------------|---------|-----------------------|

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|                                                            |             |                  |
|------------------------------------------------------------|-------------|------------------|
| triethylenetetramine                                       | 112-24-3    | $\geq 70 - < 90$ |
| 2,4,6-tris(dimethylaminomethyl)phenol                      | 90-72-2     | $\geq 10 - < 20$ |
| Bis[(dimethylamino)methyl]phenol                           | 71074-89-0  | $\geq 1 - < 5$   |
| Fatty acids, C18-unsatd., trimers, compds. with oleylamine | 147900-93-4 | $\geq 0.1 - < 1$ |

Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

- General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.
- If inhaled : If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.
- In case of skin contact : After contact with skin, wash immediately with plenty of water and soap.  
Under no circumstances should organic solvent be used.  
If irritation develops, seek medical attention.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
Seek medical advice.  
If eye irritation persists, consult a specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.  
Do not induce vomiting unless told to by a poison control center or doctor.
- Most important symptoms and effects, both acute and delayed : Harmful if swallowed or in contact with skin.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam  
Water spray  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : water jet
- Hazardous combustion products : nitrogen oxides  
fumes/smoke  
carbon black  
corrosive gases/vapours

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Further information : The degree of risk is governed by the burning substance and the fire conditions.  
Contaminated extinguishing water must be disposed of in accordance with official regulations.

Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective clothing.  
Do not breathe vapour/aerosol/spray mists.  
Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions : Contain contaminated water/firefighting water.  
Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up : Contain and collect mechanically and dispose of in accordance with local regulations.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Avoid contact with the skin, eyes and clothing.  
Avoid inhalation of mists/vapours.  
Ensure adequate ventilation.

Conditions for safe storage : Keep only in the original container in a cool, well-ventilated place.  
Protect from direct sunlight.  
Store protected against freezing.

### 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   |
|----------------------|----------|----------------------------------|------------------------------------------------|---------|
| triethylenetetramine | 112-24-3 | TWA                              | 1 ppm                                          | US WEEL |

Engineering measures : Ensure adequate ventilation.

#### Personal protective equipment

Respiratory protection : Wear appropriate certified respirator when exposure limits may be exceeded.

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Use NIOSH approved respiratory protection.

### Hand protection

Remarks : Wear chemical resistant protective gloves. Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection : Tightly fitting safety goggles (chemical goggles) and face shield.

Skin and body protection : Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

Protective measures : Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice.

Hygiene measures : When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : paste

Color : amber

Odor : ammonia-like

Odor Threshold : not determined

pH : substance/mixture is non-soluble (in water)

Melting point/freezing point : approx. 54 °F / 12 °C  
(for a component of this mixture)

Boiling point : approx. 511 - 513 °F / 266 - 267 °C  
(for a component of this mixture)

Flash point : > 244 °F / > 118 °C

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|                                                  |   |                                                                                |
|--------------------------------------------------|---|--------------------------------------------------------------------------------|
| Evaporation rate                                 | : | No data available                                                              |
| Flammability (liquids)                           | : | not highly flammable                                                           |
| Upper explosion limit / Upper flammability limit | : | No data available                                                              |
| Lower explosion limit / Lower flammability limit | : | No data available                                                              |
| Vapor pressure                                   | : | < 0.013 mbar (68 °F / 20 °C)                                                   |
| Relative vapor density                           | : | No data available                                                              |
| Relative density                                 | : | No data available                                                              |
| Density                                          | : | approx. 0.98 g/cm <sup>3</sup> (68 °F / 20 °C)                                 |
| Solubility(ies)                                  |   |                                                                                |
| Water solubility                                 | : | insoluble (68 °F / 20 °C)                                                      |
| Solubility in other solvents                     | : | No data available                                                              |
| Partition coefficient: n-octanol/water           | : | not applicable for mixtures                                                    |
| Autoignition temperature                         | : | 561 °F / 294 °C                                                                |
| Decomposition temperature                        | : | No decomposition if stored and handled as prescribed/indicated.                |
| Viscosity                                        |   |                                                                                |
| Viscosity, dynamic                               | : | No data available                                                              |
| Viscosity, kinematic                             | : | No data available                                                              |
| Explosive properties                             | : | Not explosive                                                                  |
| Oxidizing properties                             | : | Based on its structural properties the product is not classified as oxidizing. |
| Sublimation point                                | : | No data available                                                              |
| Molecular weight                                 | : | Not applicable                                                                 |

### SECTION 10. STABILITY AND REACTIVITY

|            |   |                                                                       |
|------------|---|-----------------------------------------------------------------------|
| Reactivity | : | No hazardous reactions if stored and handled as prescribed/indicated. |
|------------|---|-----------------------------------------------------------------------|

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|                                    |   |                                                                                    |
|------------------------------------|---|------------------------------------------------------------------------------------|
| Chemical stability                 | : | The product is stable if stored and handled as prescribed/indicated.               |
| Possibility of hazardous reactions | : | The product is stable if stored and handled as prescribed/indicated.               |
| Conditions to avoid                | : | See SDS section 7 - Handling and storage.                                          |
| Incompatible materials             | : | Strong acids<br>Strong bases<br>Strong oxidizing agents                            |
| Hazardous decomposition products   | : | No hazardous decomposition products if stored and handled as prescribed/indicated. |

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if swallowed or in contact with skin.

#### Product:

|                       |   |                                                                     |
|-----------------------|---|---------------------------------------------------------------------|
| Acute oral toxicity   | : | Acute toxicity estimate: 502.41 mg/kg<br>Method: Calculation method |
| Acute dermal toxicity | : | Acute toxicity estimate: 1,237 mg/kg<br>Method: Calculation method  |

#### Skin corrosion/irritation

Causes severe burns.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### STOT-single exposure

Not classified based on available information.

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### STOT-repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks : The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

#### 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 discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Dispose of container and any rinsate in an environmentally safe manner. Uncleaned empties should be disposed of in the same manner as the contents.

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

|                           |                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| UN number                 | : UN 2735                                                                                                |
| Proper shipping name      | : AMINES, LIQUID, CORROSIVE, N.O.S.<br>(TRIETHYLENETETRAMINE, 2,4,6-<br>TRIS(DIMETHYLAMINOMETHYL)PHENOL) |
| Class                     | : 8                                                                                                      |
| Packing group             | : II                                                                                                     |
| Labels                    | : 8                                                                                                      |
| Environmentally hazardous | : no                                                                                                     |

##### IATA-DGR

|                                          |                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------|
| UN/ID No.                                | : UN 2735                                                                                                |
| Proper shipping name                     | : Amines, liquid, corrosive, n.o.s.<br>(TRIETHYLENETETRAMINE, 2,4,6-<br>TRIS(DIMETHYLAMINOMETHYL)PHENOL) |
| Class                                    | : 8                                                                                                      |
| Packing group                            | : II                                                                                                     |
| Labels                                   | : Corrosive                                                                                              |
| Packing instruction (cargo aircraft)     | : 855                                                                                                    |
| Packing instruction (passenger aircraft) | : 851                                                                                                    |

##### IMDG-Code

|                      |                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------|
| UN number            | : UN 2735                                                                                                |
| Proper shipping name | : AMINES, LIQUID, CORROSIVE, N.O.S.<br>(TRIETHYLENETETRAMINE, 2,4,6-<br>TRIS(DIMETHYLAMINOMETHYL)PHENOL) |
| Class                | : 8                                                                                                      |
| Packing group        | : II                                                                                                     |
| Labels               | : 8                                                                                                      |
| EmS Code             | : F-A, S-B                                                                                               |
| Marine pollutant     | : no                                                                                                     |

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

Not applicable for product as supplied.

#### Domestic regulation

##### 49 CFR

|                      |                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------|
| UN/ID/NA number      | : UN 2735                                                                                                |
| Proper shipping name | : Amines, liquid, corrosive, n.o.s.<br>(TRIETHYLENETETRAMINE, 2,4,6-<br>TRIS(DIMETHYLAMINOMETHYL)PHENOL) |
| Class                | : 8                                                                                                      |
| Packing group        | : II                                                                                                     |
| Labels               | : CORROSIVE                                                                                              |
| ERG Code             | : 153                                                                                                    |
| Marine pollutant     | : no                                                                                                     |

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### SECTION 15. REGULATORY INFORMATION

#### US State Regulations

##### Pennsylvania Right To Know

triethylenetetramine 112-24-3

##### New Jersey Right To Know

triethylenetetramine 112-24-3

#### The ingredients of this product are reported in the following inventories:

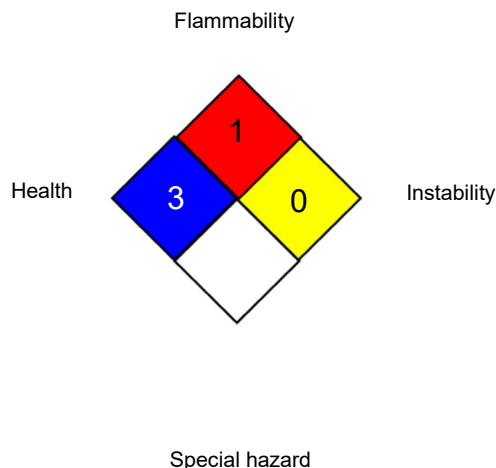
TSCA : All substances listed as active on the TSCA inventory

DSL : All components of this product are on the Canadian DSL

### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA 704:



##### HMIS® IV:

|                 |  |  |
|-----------------|--|--|
| HEALTH          |  |  |
| FLAMMABILITY    |  |  |
| PHYSICAL HAZARD |  |  |

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

#### Full text of other abbreviations

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
US WEEL / TWA : 8-hr TWA

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Har-

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monized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 03/16/2024

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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