

# SAFETY DATA SHEET

## Sikadur F 2000 Part A Formerly MBrace F 2000 PTA



|                |                              |                             |  |
|----------------|------------------------------|-----------------------------|--|
| Version<br>1.0 | Revision Date:<br>08/10/2020 | SDS Number:<br>000000260096 | Date of last issue: -<br>Date of first issue: 08/10/2020 |
|----------------|------------------------------|-----------------------------|--|

### SECTION 1. IDENTIFICATION

Product name : Sikadur F 2000 Part A Formerly MBrace F 2000 PTA

Product code : 000000000051683627

#### 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

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

Recommended use : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Inhalation - vapour) : 4

Skin corrosion/irritation : 2

Serious eye damage/eye irritation : Category 2A

Skin sensitization : Category 1

Carcinogenicity : 2

Short-term (acute) aquatic hazard : 2

Long-term (chronic) aquatic hazard : 2

#### GHS label elements

Hazard pictograms : 

Signal Word : Warning

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Hazard Statements : H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H332 Harmful if inhaled.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P271 Use only outdoors or in a well-ventilated area.  
P201 Obtain special instructions before use.  
P273 Avoid release to the environment.  
P260 Do not breathe dust or mist.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P202 Do not handle until all safety precautions have been read and understood.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash face, hands and any exposed skin thoroughly after handling.

**Response:**  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P303 + P361 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

**Storage:**  
P405 Store locked up.

**Disposal:**  
P501 Dispose of contents/container to appropriate hazardous waste collection point.

**Other hazards**  
No data available.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components

| Chemical name   | CAS-No.    | Concentration (% w/w) |
|---|------------|-----------------------|
| talc  | 14807-96-6 | >= 25 - < 50          |
| Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight <= 700) | 25068-38-6 | >= 25 - < 50          |
| furfuryl alcohol  | 98-00-0    | >= 7 - < 10           |
| Titanium dioxide  | 13463-67-7 | >= 1 - < 5            |

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful if inhaled.  
Suspected of causing cancer.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray

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- Foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- 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 : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- 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 : Product is not explosive.  
  
Normal measures for preventive fire protection.
- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not

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be employed in any process in which this mixture is being used.

Conditions for safe storage : 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.  
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.  
Protect from direct sunlight.

Materials to avoid : Observe VCI storage rules.

Recommended storage temperature : 41 °F / 5 °C

Further information on storage stability : Minimum storage temperature:

### 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                                |
|------------------|---------|----------------------------------|--|--------------------------------------|
| furfuryl alcohol | 98-00-0 | REL value                        | 10 ppm<br>40 mg/m <sup>3</sup>                 | NIOSH                                |
|                  |         | STEL value                       | 15 ppm<br>60 mg/m <sup>3</sup>                 | NIOSH                                |
|                  |         | PEL                              | 50 ppm<br>200 mg/m <sup>3</sup>                | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                  |         | TWA value                        | 10 ppm<br>40 mg/m <sup>3</sup>                 | 29 CFR<br>1910.1000<br>(Table Z-1-A) |
|                  |         | STEL value                       | 15 ppm<br>60 mg/m <sup>3</sup>                 | 29 CFR<br>1910.1000<br>(Table Z-1-A) |
|                  |         | TWA value                        | 0.2 ppm  | ACGIHTLV                             |
|                  |         | TWA                              | 0.2 ppm  | ACGIH                                |
|                  |         | TWA                              | 10 ppm<br>40 mg/m <sup>3</sup>                 | NIOSH REL                            |
|                  |         | ST                               | 15 ppm<br>60 mg/m <sup>3</sup>                 | NIOSH REL                            |
|                  |         | TWA                              | 50 ppm<br>200 mg/m <sup>3</sup>                | OSHA Z-1                             |
|                  |         | TWA                              | 10 ppm   | OSHA P0                              |

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|                  |            |                                     |                                     |                                |
|------------------|------------|-------------------------------------|-------------------------------------|--------------------------------|
|                  |            |                                     | 40 mg/m3                            |                                |
|                  |            | STEL                                | 15 ppm<br>60 mg/m3                  | OSHA P0                        |
| Titanium dioxide | 13463-67-7 | TWA value                           | 10 mg/m3                            | ACGIHTLV                       |
|                  |            | PEL (Total dust)                    | 15 mg/m3                            | 29 CFR 1910.1000 (Table Z-1)   |
|                  |            | TWA value (Total dust)              | 10 mg/m3                            | 29 CFR 1910.1000 (Table Z-1-A) |
|                  |            | TWA (total dust)                    | 15 mg/m3                            | OSHA Z-1                       |
|                  |            | TWA (Total dust)                    | 10 mg/m3                            | OSHA P0                        |
|                  |            | TWA                                 | 10 mg/m3 (Titanium dioxide)         | ACGIH                          |
| talc             | 14807-96-6 | TWA value (Respirable fraction)     | 2 mg/m3                             | ACGIHTLV                       |
|                  |            | TWA (Dust)                          | 20 Million particles per cubic foot | OSHA Z-3                       |
|                  |            | TWA (respirable dust fraction)      | 2 mg/m3                             | OSHA P0                        |
|                  |            | TWA (Respirable)                    | 2 mg/m3                             | NIOSH REL                      |
|                  |            | TWA                                 | 0.1 fibres per cubic centimeter     | ACGIH                          |
|                  |            | TWA (Respirable particulate matter) | 2 mg/m3                             | ACGIH                          |

**Engineering measures** : No applicable information available.

### Personal protective equipment

Respiratory protection : Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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|                     |   |
|---------------------|---|
| Protective measures | : Do not inhale gases/vapours/aerosols.<br>Avoid contact with the skin, eyes and clothing.<br>Avoid exposure - obtain special instructions before use.<br>Handle in accordance with good building materials hygiene and safety practice.<br>Wearing of closed work clothing is recommended. |
| Hygiene measures    | : When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.  |

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |   |
|--|---|
| Appearance                                       | : liquid  |
| Color  | : white   |
| Odor   | : mild  |
| Odor Threshold                                   | : No data available                             |
| pH   | : insoluble not applicable                      |
| Melting point                                    | : No applicable information available.          |
| boiling temperature                              | : approx. 640 °F / 338 °C                       |
| Flash point                                      | : approx. 392 °F / 200 °C                       |
| Evaporation rate                                 | : not determined                                |
| Flammability (solid, gas)                        | : not highly flammable                          |
| Upper explosion limit / Upper flammability limit | : 16.3 %(V)                                     |
| Lower explosion limit / Lower flammability limit | : 1.8 %(V)                                      |
| Vapor pressure                                   | : not applicable                                |
| Relative vapor density                           | : Heavier than air.                             |
| Density  | : approx. 1.5 g/cm <sup>3</sup> (68 °F / 20 °C) |
| Solubility(ies)                                  |   |
| Water solubility                                 | : emulsifiable (68 °F / 20 °C)                  |
| Solubility in other solvents                     | : No applicable information available.          |

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|  |   |  |
|--|---|--|
| Partition coefficient: n-octanol/water | : | not applicable   |
| Autoignition temperature               | : | No data available  |
| Decomposition temperature              | : | No decomposition if stored and handled as prescribed/indicated.                |
| Viscosity                              |   |  |
| Viscosity, dynamic                     | : | not determined   |
| Viscosity, kinematic                   | : | No applicable information available.   |
| Explosive properties                   | : | Not explosive<br>Not explosive   |
| Oxidizing properties                   | : | Based on its structural properties the product is not classified as oxidizing. |
| Sublimation point                      | : | No applicable information available.   |
| Molecular weight                       | : | No data available  |
| Metal corrosion rate                   | : | Corrosive effects to metal are not anticipated.                                |

### SECTION 10. STABILITY AND REACTIVITY

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

### SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**  
Harmful if inhaled.

**Product:**



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Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : ATE: 4.190000 mg/l  
Remarks: Determined for vapor

ATE: > 5.0000 mg/l  
Remarks: Determined for mist

Acute dermal toxicity : Remarks: No applicable information available.

### Skin corrosion/irritation

Causes skin irritation.

#### Product:

Remarks : May cause skin irritation and/or dermatitis.

### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Product:

Remarks : May cause irreversible eye damage.

### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified based on available information.

#### Product:

Remarks : Causes sensitization.

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Suspected of causing cancer.

### 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.

### Further information

#### Product:

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Remarks : Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Remarks : No data available

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

No data available

#### Persistence and degradability

No data available

#### Bioaccumulative potential

##### Product:

Bioaccumulation : Remarks: Because of the product's consistency and low water solubility, bioavailability is improbable.

##### Components:

##### talc:

Partition coefficient: n-octanol/water : Remarks: not applicable

##### Titanium dioxide:

Partition coefficient: n-octanol/water : Remarks: not applicable

#### Mobility in soil

No data available

#### Other adverse effects

##### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with national, state and local regulations.

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Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)  
Class : 9  
Subsidiary risk : EHSM  
Packing group : III  
Labels : 9 (EHSM)

##### IATA-DGR

UN/ID No. : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)  
Class : 9  
Subsidiary risk : EHSM  
Packing group : III  
Labels : Miscellaneous, Environmentally hazardous  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964

##### IMDG-Code

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)  
Class : 9  
Subsidiary risk : EHSM  
Packing group : III  
Labels : 9 (EHSM)  
EmS Code : F-A, S-F  
Marine pollutant : yes

#### 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

Not regulated as a dangerous good

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### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### US State Regulations

#### Pennsylvania Right To Know

|                  |            |
|------------------|------------|
| Titanium dioxide | 13463-67-7 |
| furfuryl alcohol | 98-00-0    |
| talc             | 14807-96-6 |
| listed           |            |

#### New Jersey Right To Know

|                  |            |
|------------------|------------|
| Titanium dioxide | 13463-67-7 |
| furfuryl alcohol | 98-00-0    |
| talc             | 14807-96-6 |
| listed           |            |

#### California Prop. 65

WARNING: This product can expose you to chemicals including furfuryl alcohol, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

TSCA : On the inventory, or in compliance with the inventory

## SECTION 16. OTHER INFORMATION

### Further information

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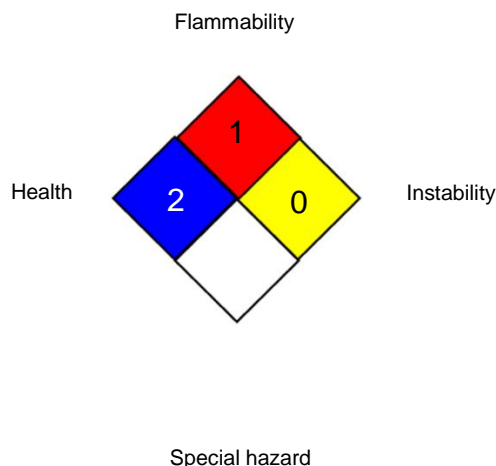
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### NFPA 704:



### 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

|   |   |
|---|---|
| 29 CFR 1910.1000 (Table Z-1-A)              | : OSHA - Table Z-1-A (29 CFR 1910.1000)   |
| 29 CFR 1910.1000 (Table Z-1)                | : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000                           |
| ACGIH                                       | : USA. ACGIH Threshold Limit Values (TLV)   |
| ACGIHTLV                                    | : American Conference of Governmental Industrial Hygienists - threshold limit values (US)   |
| NIOSH                                       | : NIOSH Pocket Guide to Chemical Hazards (US)   |
| NIOSH REL                                   | : USA. NIOSH Recommended Exposure Limits  |
| OSHA P0                                     | : USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000                             |
| OSHA Z-1                                    | : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants          |
| OSHA Z-3                                    | : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts                        |
| 29 CFR 1910.1000 (Table Z-1-A) / STEL value | : Short Term Exposure Limit (STEL):   |
| 29 CFR 1910.1000 (Table Z-1-A) / TWA value  | : Time Weighted Average (TWA):  |
| 29 CFR 1910.1000 (Table Z-1) / PEL          | : Permissible exposure limit  |
| ACGIH / TWA                                 | : 8-hour, time-weighted average   |
| ACGIHTLV / TWA value                        | : Time Weighted Average (TWA):  |
| NIOSH / REL value                           | : Recommended exposure limit (REL):   |
| NIOSH / STEL value                          | : Short Term Exposure Limit (STEL):   |
| NIOSH REL / TWA                             | : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek |
| NIOSH REL / ST                              | : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday    |
| OSHA P0 / TWA                               | : 8-hour time weighted average  |
| OSHA P0 / STEL                              | : Short-term exposure limit   |
| OSHA Z-1 / TWA                              | : 8-hour time weighted average  |

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OSHA Z-3 / TWA : 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; 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 Harmonized 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; 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

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# SAFETY DATA SHEET

## Sikadur F 2000 Part A Formerly MBrace F 2000 PTA



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