

# SAFETY DATA SHEET

## Sikadur SAT 4500 Part B Formerly MBrace SAT 4500 PTB



Version 1.0      Revision Date: 11/17/2020      SDS Number: 000000244196      Date of last issue: -  
Date of first issue: 11/17/2020

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### SECTION 1. IDENTIFICATION

Product name : Sikadur SAT 4500 Part B Formerly MBrace SAT 4500 PTB  
Product code : 000000000051683945

#### 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.

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### SECTION 2. HAZARDS IDENTIFICATION

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

Acute toxicity (Oral) : Category 4  
Acute toxicity (Dermal) : Category 4  
Skin corrosion/irritation : Category 1A  
Serious eye damage/eye irritation : Category 1  
Skin sensitization : Category 1A  
Reproductive toxicity : Category 1B  
Short-term (acute) aquatic hazard : Category 3  
Long-term (chronic) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms : Three GHS hazard pictograms are shown in red diamond shapes: a corrosive symbol (liquid dripping from test tubes onto a hand and a surface), an exclamation mark, and a health hazard symbol (silhouette of a person with a starburst on their chest).

Signal Word : Danger

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Hazard Statements : H312 Harmful in contact with skin.  
H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H360D May damage the unborn child.  
H314 Causes severe skin burns and eye damage.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P260 Do not breathe dust or mist.  
P273 Avoid release to the environment.  
P201 Obtain special instructions before use.  
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.  
P270 Do not eat, drink or smoke when using this product.  
P264 Wash face, hands and any exposed skin thoroughly after handling.

**Response:**  
P310 Immediately 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.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.

**Storage:**  
P405 Store locked up.

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

**Other hazards**  
None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : No data available.

**Components**

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Chemical name	CAS-No.	Concentration (% w/w)
alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethanediyl))	9046-10-0	>= 25 - < 50
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	>= 20 - < 25
Trimethylhexane-1,6-diamine	25620-58-0	>= 15 - < 20
Benzyl alcohol	100-51-6	>= 10 - < 15
Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight <= 700)	25068-38-6	>= 10 - < 15
imidazole	288-32-4	>= 1 - < 3

### 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.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
Take victim immediately to hospital.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- 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.  
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.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
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 : Harmful if swallowed or in contact with skin.  
May cause an allergic skin reaction.



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Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.  
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 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.  
Store protected against freezing.

Materials to avoid : Observe VCI storage rules.

Recommended storage temperature : 32 °F / 0 °C

Further information on storage stability : Minimum storage temperature:

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

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.

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- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Protective measures : Do not inhale gases/vapours/aerosols.  
Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good building materials hygiene and safety practice.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.
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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : yellow
- Odor : product specific, amine-like
- Odor Threshold : No data available
- pH : neutral to slightly alkaline
- Melting point : No applicable information available.
- boiling temperature : approx. 500 °F / 260 °C
- Flash point : > 212 °F / > 100 °C  
> 212 °F / > 100 °C  
Method: Flash-Point by Pensky-Martens Closed Cup Tester.
- Evaporation rate : not determined
- Self-ignition : not self-igniting
- Upper explosion limit / Upper flammability limit : No applicable information available.
- Lower explosion limit / Lower flammability limit : No applicable information available.
- Vapor pressure : < 24 hPa (68 °F / 20 °C)  
< 24 hPa (68 °F / 20 °C)
- Relative vapor density : not determined
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Relative density : No applicable information available.

Density : approx. 0.96 g/cm<sup>3</sup> (68 °F / 20 °C)  
8.011 g/cm<sup>3</sup> (77 °F / 25 °C)

Solubility(ies)  
Water solubility : emulsifiable

Solubility in other solvents : No applicable information available.

Autoignition temperature : No data available

Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity  
Viscosity, dynamic : approx. 800 mPa.s (77 °F / 25 °C)

Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive  
Not explosive

Oxidizing properties : not fire-propagating

Sublimation point : No applicable information available.

Molecular weight : No data available

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### 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 : Oxidizing agents  
strong alkalies  
Acids

Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed/indicated.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if swallowed or in contact with skin.

#### Product:

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

#### 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

May damage the unborn child.

##### 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.

#### Components:

##### imidazole:

Not applicable



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### 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

##### Product:

Biodegradability : Result: No data available.

#### Bioaccumulative potential

##### Product:

Bioaccumulation : Remarks: No data available.

#### Components:

##### **3-aminomethyl-3,5,5-trimethylcyclohexylamine:**

Partition coefficient: n-octanol/water : log Pow: 0.99 (73 °F / 23 °C)  
pH: 6.3  
Method: Partition coefficient  
GLP: no

##### **imidazole:**

Partition coefficient: n-octanol/water : log Pow: -0.02 (77 °F / 25 °C)  
Method: Partition coefficient (n-octanol/water), Shake-flask method  
GLP: no

#### 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.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- Waste from residues : Dispose of in accordance with national, state and local regulations.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
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.
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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

- UN number : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(POLYOXYPROPYLENEDIAMINE,  
ISOPHORONEDIAMNINE)  
Class : 8  
Packing group : III  
Labels : 8

##### IATA-DGR

- UN/ID No. : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(POLYOXYPROPYLENEDIAMINE,  
ISOPHORONEDIAMNINE)  
Class : 8  
Packing group : III  
Labels : Corrosive  
Packing instruction (cargo aircraft) : 856  
Packing instruction (passenger aircraft) : 852

##### IMDG-Code

- UN number : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(POLYOXYPROPYLENEDIAMINE,  
ISOPHORONEDIAMNINE)  
Class : 8  
Packing group : III  
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.

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### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(POLYOXYPROPYLENEDIAMINE,  
ISOPHORONEDIAMINE)  
Class : 8  
Packing group : III  
Labels : CORROSIVE  
ERG Code : 154  
Marine pollutant : no

#### 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.

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## SECTION 15. REGULATORY INFORMATION

### US State Regulations

#### Pennsylvania Right To Know

Benzyl alcohol 100-51-6

#### New Jersey Right To Know

3-aminomethyl-3,5,5-trimethylcyclohexylamine 2855-13-2  
Trimethylhexane-1,6-diamine 25620-58-0

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

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

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## SECTION 16. OTHER INFORMATION

### Further information

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## Sikadur SAT 4500 Part B Formerly MBrace SAT 4500 PTB



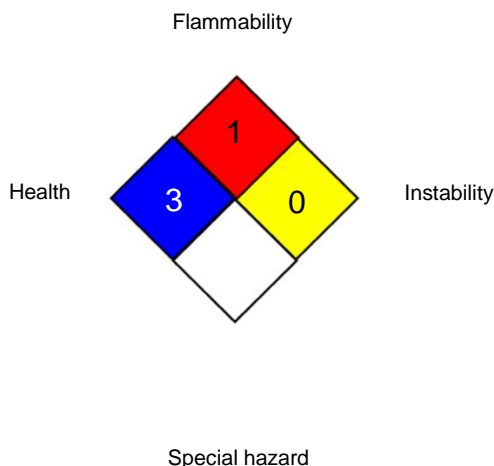
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### NFPA 704:



### 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

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;

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UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 11/17/2020

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