

# SAFETY DATA SHEET

According to 13 December 2014, No:29204, "Ministry of Environment and Urbanization; Regulation on Safety data sheets regarding hazardous substances and mixtures; Part I".



## Sikadur ADH 1406 PTB Formerly MasterBrace ADH 1406 PTB

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Sikadur ADH 1406 PTB Formerly MasterBrace ADH 1406 PTB

Product code : 00000000050374399

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Product for construction chemicals

Recommended restrictions on use : Industrial use, Professional use, Consumer use

#### 1.3 Details of the supplier of the safety data sheet

Company : Sika MBCC Turkey Yapı Kimyasalları  
Sanayi ve Ticaret Limited Şirketi  
Ataşehir Kuzey, C Kapısı 3E/ 5-12  
34746 İstanbul, Turkey

Telephone : +902162178800

Telefax : +902162178800

E-mail address of person responsible for the SDS : [mabas-eb@mbcc-group.com](mailto:mabas-eb@mbcc-group.com)

#### 1.4 Emergency telephone

ChemTel: +1-813-248-0585

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification T.R. SEA No 28848

Acute toxicity, Category 4	H332: Harmful if inhaled.
Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin corrosion/irritation, Category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	H318: Causes serious eye damage.

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Skin sensitization, Category 1B	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labeling T.R. SEA No 28848

Hazard pictograms :



Signal Word : Danger

Hazard Statements :

- H332 Harmful if inhaled.
- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H314 Causes severe skin burns and eye damage.
- 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.
- P273 Avoid release to the environment.
- P260 Do not breathe dust or mist.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 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.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P391 Collect spillage.

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### Storage:

P405 Store locked up.

### Disposal:

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

### 2.3 Other hazards

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : aliphatic polyamine

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Benzyl alcohol	100-51-6 202-859-9 603-057-00-5	Acute Tox.4; H302 Acute Tox.4; H332 Eye Irrit.2; H319	$\geq 10 - < 25$
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2 220-666-8 612-067-00-9	Acute Tox.4; H302 Acute Tox.4; H312 Skin Corr.1B; H314 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Chronic3; H412	$\geq 3 - < 15$
Paraformaldehyde, oligomeric reaction products with 4-tert-butylphenol and m-phenylenebis(methylamine)	Not Assigned	Acute Tox.4; H302 Acute Tox.4; H312 Skin Corr.1B; H314 Aquatic Chronic3; H412	$\geq 1 - < 5$
4-tert-butylphenol	98-54-4 202-679-0 604-090-00-8	Skin Irrit.2; H315 Eye Dam.1; H318 Repr.2; H361f Aquatic Chronic1; H410	$\geq 0,3 - < 3$
m-Phenylenebis(methylamine)	1477-55-0 216-032-5	Acute Tox.4; H302 Acute Tox.4; H332 Skin Corr.1B;	$\geq 0,3 - < 3$

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		H314 Eye Dam.1; H318 Skin Sens.1B; H317	
nonylphenol	25154-52-3 246-672-0 601-053-00-8	Acute Tox.4; H302 Skin Corr.1B; H314 Eye Dam.1; H318 Repr.2; H361f Repr.2; H361d Aquatic Acute1; H400 Aquatic Chronic1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	>= 0,2 - < 1

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of 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 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 : Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye 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.

#### 4.2 Most important symptoms and effects, both acute and delayed

None known.

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

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Foam  
Water spray  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : water jet

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : nitrogen oxides  
fumes/smoke  
carbon black  
corrosive gases/vapours

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

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.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

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

### 6.2 Environmental precautions

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

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

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Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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

### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : 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, well-ventilated place. Protect from direct sunlight. Store protected against freezing.
- Advice on common storage : Observe TRGS 509/510 storage rules.
- Further information on storage stability : No decomposition if stored and applied as directed.

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### 7.3 Specific end use(s)

Specific use(s) : For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Wear safety goggles at working overhead and danger of spluttering.  
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Hand protection

Remarks : Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types.

Skin and body protection : Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

Respiratory protection : Wear respiratory protection if ventilation is inadequate.  
Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : pasty

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Color	:	black
Odor	:	amine-like
pH	:	Not applicable
Melting point	:	Not applicable
boiling temperature	:	> 200 °C Based on data from similar materials
Flash point	:	> 93 °C
Evaporation rate	:	not determined
Flammability (solid, gas)	:	not highly flammable Method: derived from flash point
Lower explosion limit / Lower flammability limit	:	dropped
Vapor pressure	:	No data available
Relative vapor density	:	not determined
Density	:	1,38 - 1,5 g/cm <sup>3</sup> (20 °C) Method: Determination of density of paints, varnishes and similar coating materials.
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity Viscosity, dynamic	:	not determined
Explosive properties	:	Not explosive Not explosive
Oxidizing properties	:	not fire-propagating

### 9.2 Other information

Metal corrosion rate	:	Corrosive effect on metals.
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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

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

#### 10.4 Conditions to avoid

Conditions to avoid : See SDS section 7 - Handling and storage.

#### 10.5 Incompatible materials

Materials to avoid : Strong acids  
Strong bases  
Strong oxidizing agents

#### 10.6 Hazardous decomposition products

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

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Harmful if swallowed or if inhaled.

##### **Product:**

Acute oral toxicity : LD50 (Rat): 2.300 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2.800 mg/kg

##### 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.

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### **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.

### **STOT-repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

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.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### **Product:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 42 - 55 mg/l  
Exposure time: 24 h

#### **Ecotoxicology Assessment**

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

#### **Components:**

##### **nonylphenol:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

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### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

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

Partition coefficient: n-octanol/water : log Pow: 0,99 (23 °C)  
pH: 6,3  
Method: Partition coefficient  
GLP: no

#### **4-tert-butylphenol:**

Partition coefficient: n-octanol/water : log Pow: 3,0 (23 °C)  
pH: 5,7  
Method: Partition coefficient (n-octanol/water), HPLC method.  
GLP: no

#### **m-Phenylenebis(methylamine):**

Partition coefficient: n-octanol/water : log Pow: 0,18 (25 °C)  
pH: 10,3 - 10,4  
Method: Partition coefficient (n-octanol/water), Shake-flask method  
GLP: yes

#### **nonylphenol:**

Partition coefficient: n-octanol/water : log Pow: 4,48

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

#### Product:

Additional ecological information : Do not allow to enter soil, waterways or waste water channels. Do not discharge substance/product into sewer system. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

### SECTION 14: Transport information

#### 14.1 UN number

- ADN : UN 3267  
ADR : UN 3267  
RID : UN 3267  
IMDG : UN 3267  
IATA : UN 3267

#### 14.2 UN proper shipping name

- ADN : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(ISOPHORONEDIAMNINE, NONYLPHENOL)  
ADR : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(ISOPHORONEDIAMNINE, NONYLPHENOL)  
RID : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(ISOPHORONEDIAMNINE, NONYLPHENOL)  
IMDG : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(ISOPHORONEDIAMNINE, NONYLPHENOL)  
IATA : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(ISOPHORONEDIAMNINE, NONYLPHENOL)

#### 14.3 Transport hazard class(es)

- ADN : 8  
ADR : 8  
RID : 8  
IMDG : 8

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**IATA** : 8

### 14.4 Packing group

#### ADN

Packing group : III  
Labels : 8

#### ADR

Packing group : III  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

#### RID

Packing group : III  
Hazard Identification Number : 80  
Labels : 8

#### IMDG

Packing group : III  
Labels : 8  
EmS Code : F-A, S-B

#### IATA (Cargo)

Packing instruction (cargo aircraft) : 856  
Packing group : III  
Labels : Corrosive

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 852  
Packing group : III  
Labels : Corrosive

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : yes

#### ADR

Environmentally hazardous : yes

#### RID

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

### 14.6 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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### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other regulations:

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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

DSL :  
TSCA :

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

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## SECTION 16: Other information

#### Full text of H-Statements

H302 : Harmful if swallowed.  
H312 : Harmful in contact with skin.  
H314 : Causes severe skin burns and eye damage.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H361d : Suspected of damaging the unborn child.  
H361f : Suspected of damaging fertility.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H412 : Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Hazardous to the aquatic environment - acute hazard  
Aquatic Chronic : Hazardous to the aquatic environment - chronic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation

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Repr.	:	Reproductive toxicity
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitization

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; 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

According to 13 December 2014, No:29204, "Ministry of Environment and Urbanization; Regulation on Safety data sheets regarding hazardous substances and mixtures; Part I".



## Sikadur ADH 1406 PTB Formerly MasterBrace ADH 1406 PTB

Version	Revision Date:	SDS Number:	Date of last issue: -
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