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## Sikadur ADH 1406 PTA Formerly MasterBrace **ADH 1406 PTA**

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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 PTA Formerly MasterBrace ADH 1406

PTA

Product code 000000000050374317

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

Use of the Sub-Product for construction chemicals

stance/Mixture

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

#### 1.4 Emergency telephone

ChemTel: +1-813-248-0585

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315: Causes skin irritation.

Serious eye damage/eye irritation, Cate-

gory 2

H319: Causes serious eye irritation.

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

Long-term (chronic) aquatic hazard, Cat-H411: Toxic to aquatic life with long lasting effects.

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egory 2

#### 2.2 Label elements

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

Hazard pictograms





Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : Prevention:

P273 Avoid release to the environment.

P260 Do not breathe dust or mist.

P272 Contaminated work clothing should not be allowed out

of the workplace.

P264 Wash face, hands and any exposed skin thoroughly

after handling.

P280 Wear protective gloves/ protective clothing/ eye protec-

tion/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P311 Call a POISON CENTER or doctor/ physician.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P362 + P364 Take off contaminated clothing and wash it

before reuse.

P332 + P313 If skin irritation occurs: Get medical advice/

attention.

P391 Collect spillage.

Disposal:

P501 Dispose of contents/container to appropriate hazard-

ous waste collection point.

#### **Additional Labeling:**

EUH205 Contains epoxy constituents. May produce an allergic reaction.

#### 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.

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#### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

Chemical nature : epoxy resin

### Components

Chemical name	CAS-No. EC-No. Index-No. Registration num- ber	Classification	Concentration (% w/w)
Reaction product: bisphenol-A- (epichlorhydrin)-Epoxy resin (number average molecular weight <= 700)	25068-38-6 500-033-5 603-074-00-8	Skin Irrit.2; H315 Eye Irrit.2; H319 Skin Sens.1; H317 Aquatic Chronic2; H411	>= 10 - < 50
BISPHENOL-F-EPICHLORHYDRINE	28064-14-4	Skin Sens.1; H317 Skin Irrit.2; H315 Eye Irrit.2; H319 Aquatic Chronic2; H411	>= 1 - < 7
1,6-Bis(2,3-epoxypropoxy)hexane	16096-31-4	Skin Irrit.2; H315 Eye Irrit.2; H319 Skin Sens.1; H317 Aquatic Chronic2; H412	>=1-<7

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.

Show this material safety data sheet to the doctor in attend-

ance.

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 : 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.

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If eye irritation persists, consult a specialist.

If swallowed : 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.

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 cen-

ter or doctor.

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

None known.

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

Treatment : Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media : Water spray

Dry powder Foam

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

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

Hazardous combustion prod: :

ucts

harmful vapours nitrogen oxides fumes/smoke carbon black

#### 5.3 Advice for firefighters

Special protective equipment :

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

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 equipment.

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).

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 : 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 ap-

plication area.

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

Product is not explosive.

Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday.

### 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. Electrical installations / working materials must comply with the technological

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safety standards.

Further information on stor-

age conditions

Keep only in the original container in a cool, dry, wellventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Advice on common storage : Observe TRGS 509/510 storage rules.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

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 : Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Hand protection

Remarks : Chemical resistant protective gloves (EN 374) Manufacturer's

directions for use should be observed because of great diversity of types. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time

determined through testing.

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): butyl rubber (butyl) - 0.7 mm coating thickness fluoroelastomer (FKM) - 0.7 mm

coating thickness

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374) polyvinylchloride (PVC) - 0.7 mm coating thickness chloroprene rubber (CR) - 0.5 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness

ness

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Skin and body protection : Body protection must be chosen depending on activity and

possible exposure, e.g. apron, protecting boots, chemicalprotection 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 : Do not inhale gases/vapours/aerosols.

Avoid contact with the skin, eyes and clothing.

Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene

and safety practice.

Wearing of closed work clothing is recommended.

#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Appearance : pasty

Color : white

Odor : resinous

pH : Not applicable

Melting point : Not applicable

boiling temperature : No data available

Flash point : does not flash

Evaporation rate : not determined

Flammability (solid, gas) : not determined

Lower explosion limit / Lower

flammability limit

dropped

Vapor pressure : No data available

Relative vapor density : not determined

Density : 2 g/cm3 (20 °C)

Method: Density of Liquid Coatings, Inks, and Related Prod-

ucts.

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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 pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : not determined

Explosive properties : Not explosive

Not explosive

Oxidizing properties : not fire-propagating

9.2 Other information

Metal corrosion rate : No corrosive effect on metal.

## **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 Strong reducing 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**

Not classified based on available information.

#### **Components:**

#### **BISPHENOL-F-EPICHLORHYDRINE:**

Acute oral toxicity : LD50 (Rat): approx. > 2.000 mg/kg

#### Skin corrosion/irritation

Causes skin irritation.

### **Components:**

#### **BISPHENOL-F-EPICHLORHYDRINE:**

Result : moderately irritating

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Components:

#### **BISPHENOL-F-EPICHLORHYDRINE:**

Result : Irritant

## Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

## Respiratory sensitization

Not classified based on available information.

#### **Components:**

#### **BISPHENOL-F-EPICHLORHYDRINE:**

Species : Guinea pig Result : Sensitizing

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

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#### 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.

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### **Product:**

### **Ecotoxicology Assessment**

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

## **Components:**

#### **BISPHENOL-F-EPICHLORHYDRINE:**

Toxicity to fish : LC50 (Fish): 1 - 10 mg/l

aquatic invertebrates

Toxicity to daphnia and other : EC50 (daphnia): 1 - 10 mg/l

EC50 (bacteria): 1 - 10 mg/l Toxicity to microorganisms

## 12.2 Persistence and degradability

#### **Product:**

Biodegradability Remarks: Taking into consideration the properties of several

ingredients, the product is estimated not to be readily biode-

gradable according to OECD classification.

Stability in water Remarks: The product is slightly soluble in water. It can be

eliminated from water by abiotic processes.

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#### **Components:**

#### **BISPHENOL-F-EPICHLORHYDRINE:**

Biodegradability : Result: Not readily biodegradable (by OECD criteria).

## 12.3 Bioaccumulative potential

#### **Product:**

Bioaccumulation : Remarks: Because of the product's consistency and low water

solubility, bioavailability is improbable.

#### 12.4 Mobility in soil

#### **Product:**

Distribution among environmental compartments

Remarks: The substance will not evaporate into the atmos-

phere from the water surface.

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not ex-

pected.

Following exposure to soil, adsorption to solid soil particles is unlikely, therefore contamination of groundwater is expected.

#### 12.5 Results of PBT and vPvB assessment

Not relevant

#### 12.6 Other adverse effects

## Product:

Additional ecological infor-

mation

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**

#### 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 chemi-

cal 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.

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#### **SECTION 14: Transport information**

#### 14.1 UN number

ADN : UN 3082
ADR : UN 3082
RID : UN 3082
IMDG : UN 3082
IATA : UN 3082

14.2 UN proper shipping name

**ADN** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

#### 14.3 Transport hazard class(es)

ADN : 9
ADR : 9
RID : 9
IMDG : 9
IATA : 9

## 14.4 Packing group

ADN

Packing group : III

Labels : 9 (EHSM)

**ADR** 

Packing group : III Hazard Identification Number : 90

Labels : 9 (EHSM)

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RID

Packing group : III Hazard Identification Number : 90

Labels : 9 (EHSM)

**IMDG** 

Packing group : III

Labels : 9 (EHSM) EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo : 964

aircraft)

Packing group : III

Labels : Miscellaneous, Environmentally hazardous

IATA (Passenger)

Packing instruction (passen: 964

ger aircraft)

Packing group : III

Labels : Miscellaneous, Environmentally hazardous

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.

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

Not applicable for product as supplied.

#### **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.

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

DSL :

TSCA :

#### 15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H319 : Causes serious eye irritation.

H411 : Toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Chronic : Hazardous to the aquatic environment - chronic hazard

Aquatic Chronic : Long-term (chronic) aquatic hazard

Eye Irrit. : Eye irritation
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 Substanc-

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es; (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

### **Further information**

Other information : In addition to the information given in the safety data sheet we

refer to the product specific 'Technical Information'.

#### **SDS Author**

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Email: <a href="mazli.ozer@mbcc-group.com">nazli.ozer@mbcc-group.com</a> Certificate no: KDU-A-0-0077 Certification Date: 29.07.2020 Certificate Expiry Date: 29.07.2025

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TR / EN