

# 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".

## MasterSeal NP 474 limestone TR

|         |                |              |                                 |
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| Version | Revision Date: | SDS Number:  | Date of last issue: -           |
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : MasterSeal NP 474 limestone TR  
Product code : 000000000050498452

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

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

Company : Master Builders Solutions  
Yapı Kimyasalları Sanayi ve Ticaret Ltd.  
Sti.,  
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

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Respiratory sensitization, Category 1

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### 2.2 Label elements

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

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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Precautionary Statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P284 In case of inadequate ventilation wear respiratory protection.  
**Response:**  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
**Disposal:**  
P501 Dispose of contents/container to appropriate hazardous waste collection point.

### Additional Labeling:

EUH204 Contains isocyanates. 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.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : isocyanate additives

### Components

| Chemical name                               | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification   | Concentration (% w/w) |
|---|---|--|-----------------------|
| xylene                                      | 1330-20-7   | Flam. Liq.3; H226<br>Acute Tox.4; H332<br>Acute Tox.4; H312<br>Skin Irrit.2; H315  | >= 1 - <= 5           |
| Diphenylmethane-4,4'-diisocyanate (MDI)     | 101-68-8<br>202-966-0<br>615-005-00-9                 | Acute Tox.4; H332<br>Skin Irrit.2; H315<br>Eye Irrit.2; H319<br>Resp. Sens.1;<br>H334<br>Skin Sens.1; H317<br>Carc.2; H351<br>STOT SE3; H335<br>STOT RE2; H373 | < 1                   |
| trimethoxy(3-(oxiranylmethoxy)propyl)silane | 2530-83-8<br>219-784-2                                | Eye Dam.1; H318<br>Aquatic Chronic3;<br>H412   | < 1                   |

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For explanation of abbreviations see section 16.

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### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- |                         |   |   |
|-------------------------|---|---|
| General advice          | : | Move out of dangerous area.<br>Show this material safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.   |
| If inhaled              | : | Call a physician or poison control center immediately.<br>If unconscious, place in recovery position and seek medical advice.   |
| In case of skin contact | : | After contact with skin, wash immediately with plenty of water and soap.<br>Under no circumstances should organic solvent be used.<br>If irritation develops, seek medical attention.                                 |
| In case of eye contact  | : | Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.                                   |
| If swallowed            | : | Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital. |

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

- |       |   |  |
|-------|---|--|
| Risks | : | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
|-------|---|--|

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

- |           |   |                        |
|-----------|---|------------------------|
| Treatment | : | Treat symptomatically. |
|-----------|---|------------------------|
- 

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- |                                |   |                       |
|--------------------------------|---|-----------------------|
| Unsuitable extinguishing media | : | High volume water jet |
|--------------------------------|---|-----------------------|

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

- |                               |   |                                    |
|-------------------------------|---|------------------------------------|
| Hazardous combustion products | : | harmful vapours<br>nitrogen oxides |
|-------------------------------|---|------------------------------------|

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fumes/smoke  
carbon black

### 5.3 Advice for firefighters

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

Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.

### 6.2 Environmental precautions

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.

### 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.

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

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Advice on protection against fire and explosion : Product is not explosive.

Normal measures for preventive fire protection.

Hygiene measures : 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. 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.

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

Further information on storage 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

#### Occupational Exposure Limits

| Components | CAS-No.   | Value type (Form of exposure)   | Control parameters               | Basis      |
|------------|-----------|---|----------------------------------|------------|
| xylene     | 1330-20-7 | TWA (8 Hour)  | 50 ppm<br>221 mg/m <sup>3</sup>  | TR OEL     |
|            |           | Further information: A skin notation assigned to the OEL identifies the possibility of significant uptake through the skin. |                                  |            |
|            |           | STEL 15 min   | 100 ppm<br>442 mg/m <sup>3</sup> | TR OEL     |
|            |           | TWA   | 50 ppm<br>221 mg/m <sup>3</sup>  | 2000/39/EC |
|            |           | Further information: Identifies the possibility of significant uptake through the skin, Indicative                          |                                  |            |
|            |           | STEL  | 100 ppm<br>442 mg/m <sup>3</sup> | 2000/39/EC |
|            |           | STEL value  | 100 ppm<br>442 mg/m <sup>3</sup> | OEL (TR)   |
|            |           | TWA value   | 50 ppm                           | OEL (TR)   |

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|  |  |  |           |  |
|--|--|--|-----------|--|
|  |  |  | 221 mg/m3 |  |
|--|--|--|-----------|--|

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection

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

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

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 : various

Odor : characteristic

pH : not determined

Melting temperature : not determined

boiling temperature : not determined

Flash point : does not flash

Flammability (solid, gas) : not flammable

Vapor pressure : No data available

Density : 1,17 - 1,23 g/cm<sup>3</sup> (20 °C)

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Solubility(ies)  
Water solubility : No data available

Autoignition temperature : not determined

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

Explosive properties : Not explosive  
Not explosive

Oxidizing properties : not determined

### 9.2 Other information

Self-ignition : not self-igniting

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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  
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.

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### **Skin corrosion/irritation**

Not classified based on available information.

### **Serious eye damage/eye irritation**

Not classified based on available information.

### **Product:**

Remarks : Vapors may cause irritation to the eyes, respiratory system and the skin.

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### **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.

### **Product:**

No aspiration hazard expected.

### **Further information**

### **Product:**

Remarks : No data available

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available



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### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 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 : No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
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.

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

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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.

## 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.

### 15.2 Chemical Safety Assessment

## SECTION 16: Other information

#### Full text of H-Statements

|      |   |  |
|------|---|--|
| H226 | : | Flammable liquid and vapour.   |
| H312 | : | Harmful in contact with skin.  |
| 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.  |
| H334 | : | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | : | May cause respiratory irritation.  |
| H351 | : | Suspected of causing cancer.   |
| H373 | : | May cause damage to organs through prolonged or repeated exposure.         |
| H412 | : | Harmful to aquatic life with long lasting effects.                         |

#### Full text of other abbreviations

|                 |   |  |
|-----------------|---|--|
| Acute Tox.      | : | Acute toxicity   |
| Aquatic Chronic | : | Hazardous to the aquatic environment - chronic hazard  |
| Carc.           | : | Carcinogenicity  |
| Eye Dam.        | : | Serious eye damage   |
| Eye Irrit.      | : | Eye irritation   |
| Flam. Liq.      | : | Flammable liquids  |
| Resp. Sens.     | : | Respiratory sensitization  |
| Skin Irrit.     | : | Skin irritation  |
| Skin Sens.      | : | Skin sensitization   |
| STOT RE         | : | Specific target organ toxicity - repeated exposure   |
| STOT SE         | : | Specific target organ toxicity - single exposure   |
| 2000/39/EC      | : | Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| OEL (TR)        | : | Regulation on Protection of Health & Safety Measures from Risks related to Chemical Agents at Work (Turkey)        |
| TR OEL          | : | Turkey. Chemical Agents at Work - Annex I: Indicative occu-  |

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2000/39/EC / TWA : occupational exposure limit values  
2000/39/EC / STEL : Limit Value - eight hours  
OEL (TR) / STEL value : Short term exposure limit  
OEL (TR) / TWA value : Short Term Exposure Limit (STEL):  
TR OEL / TWA (8 Hour) : Time Weighted Average (TWA):  
TR OEL / STEL 15 min : Measured or calculated in relation to a reference period of eight-hour time-weighted average  
TR OEL / STEL 15 min : A limit value above which exposure should not occur and is related to a 15-minute period, unless otherwise specified

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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