Mortar Fix 480g (Comp. A)

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

1.1. Product identifier

Trade name/designation:

Mortar Fix 480g (Comp. A)

Article No.:
T602701

UFI:
1DSN-0C31-G20K-Y9AJ

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

Use of the substance/mixture:
Industrielle Verwendung, Gewerbliche Nutzung

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	

Additional information:
Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07
Exclamation mark

Signal word: Warning

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Hazard components for labelling:
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-; vinyltoluene

Hazard statements for health hazards	
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Supplemental hazard information	
EUH208	Contains REACTION MASS OF 2,2'-[(4-METHYLPHENYL)IMINO]BISETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4-METHYLPHENYL)AMINO]- (N/A) (13386-01151).. May produce an allergic reaction.

Precautionary statements Prevention	
P264	Wash hands, forearms and the face thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ .

Precautionary statements Response	
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.

2.3. Other hazards

Other adverse effects:
Contains no PBT/vPvB substances ≥ 0.1%, assessed according to REACH Annex XIII.
The mixture does not contain substances listed for endocrine disrupting properties according to REACH Article 59(1) or it has been determined according to the criteria of Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 that it does not contain substances with endocrine disrupting properties in a concentration equal to or greater than 0.1

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 25013-15-4 EC No.: 246-562-2 REACH No.: 01-2119622074-50	**vinyltoluene** Acute Tox. 4 (H332), Aquatic Chronic 3 (H412), Asp. Tox. 1 (H304), Eye Irrit. 2 (H319), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315)  Danger **Acute Toxicity Estimate** ATE (oral) 3,680 mg/kg ATE (dermal) 4,490 mg/kg ATE (inhalation, vapour) 11 mg/L ATE (inhalation, dust/mist) 1.5 mg/L	> 3 – < 10 %
EC No.: 911-490-9 REACH No.: 01-2119979579-10	**Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-** Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)  Danger **Acute Toxicity Estimate** ATE (oral) 619 mg/kg ATE (dermal) > 2,000 mg/kg	< 1 %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:
Remove person to fresh air and keep comfortable for breathing.

In case of skin contact:
Rinse skin with water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/ attention. After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:
Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Following skin contact: Skin irritation
After eye contact: Causes eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Dry extinguishing powder, Foam, Water spray jet

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition products in the event of fire: Possible release of toxic fumes.

5.3. Advice for firefighters
Do not attempt to operate without suitable protective equipment.Wear self-contained breathing apparatus.Full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Ventilate affected area. Avoid contact with eyes and skin.

6.1.2. For emergency responders
Personal protection equipment:
Do not attempt to operate without suitable protective equipment. Additional information SECTION 8: Exposure controls/personal protection.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For cleaning up:
Product Take up mechanically.

Other information:
Feed substances or residues in solid form to an approved facility.

6.4. Reference to other sections
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures
Advices on safe handling:
Ensure good ventilation/extraction at the workplace. Avoid contact with eyes and skin. Use personal protection equipment.

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Advices on general occupational hygiene
Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Store in a well-ventilated place. Keep cool.
Storage class (TRGS 510, Germany): 13 – Non-combustible solids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)
Recommendation:
Construction industry

SECTION 8: Exposure controls/personal protection

*
8.1. Control parameters
8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT) from 2 Jan 1900	**vinyltoluene** CAS No.: 25013-15-4 EC No.: 246-562-2	① 100 ppm (480 mg/m³) ② 100 ppm (480 mg/m³) ⑤ (Momentanwert)

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values
No data available

8.2. Exposure controls
8.2.1. Appropriate engineering controls
Ensure good ventilation/extraction at the workplace.

8.2.2. Personal protection equipment


Eye/face protection:
Safety goggles
Skin protection:
Skin and body protection: Wear suitable protective clothing when working.
Hand protection: Chemical protective gloves (according to European standard EN 374 or equivalent)
Type: Disposable gloves, Reusable gloves
Glove material:NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber), Viton® II
Breakthrough time: 6 (>480 min), Thickness of the glove material: 0,4; EN ISO 374
As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
Respiratory protection:
In case of inadequate ventilation wear respiratory protection. EN141

8.2.3. Environmental exposure controls
Avoid release to the environment.

SECTION 9: Physical and chemical properties

* **9.1. Information on basic physical and chemical properties**

Appearance

Physical state: solid
Colour: various
Odour: characteristic
flammability: No data available

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	*No data available*	
Melting point	*No data available*	
Freezing point	*No data available*	
Initial boiling point and boiling range	*No data available*	
Evaporation rate	*No data available*	
Vapour pressure	1.5 hPa	
Density	*No data available*	
Relative density	1.71	
Bulk density	*No data available*	
Water solubility	practically insoluble	
Dynamic viscosity	> 100,000 cP	

particle characteristics:
No data available

9.2. Other information

9.2.2. Other safety characteristics
VOC value: 160 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is not reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions are known under normal conditions of use.

10.4. Conditions to avoid
None under the recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
No hazardous decomposition products if stored and used as directed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

vinyltoluene CAS No.: 25013-15-4 EC No.: 246-562-2
LD_{50} oral: 3,680 mg/kg (Rat)
LD_{50} dermal: 4,490 mg/kg
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]- EC No.: 911-490-9
LD_{50} oral: 619 mg/kg (Rat) OECD 401
LD_{50} dermal: >2,000 mg/kg (Rat) OECD 402

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Causes skin irritation.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity:
Based on available data, the classification criteria are not met.

STOT-single exposure:
Based on available data, the classification criteria are not met.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

Additional information:
No data available

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity

vinyltoluene CAS No.: 25013-15-4 EC No.: 246-562-2
LC_{50}: 5.2 mg/L (fish, Pimephales promelas)
EC_{50}: 1.3 mg/L (crustaceans, Daphnia magna)
NOEC: 2.6 mg/L (fish)
ErC_{50}: 2.6 mg/L (Algae/water plant)
EC_{50}: 4.3 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]- EC No.: 911-490-9
LC_{50}: 100 mg/L (fish)
EC_{50}: 48 mg/L (crustaceans, Daphnia magna)
EC_{50}: >100 mg/L (Algae/water plant, Pseudokirchneriella subcapitata)
EC_{50}: 100 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential

vinyltoluene CAS No.: 25013-15-4 EC No.: 246-562-2
Log K_{OW}: 3.35

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

vinyltoluene CAS No.: 25013-15-4 EC No.: 246-562-2
Results of PBT and vPvB assessment: —
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]- EC No.: 911-490-9
Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose at an authorized site.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:
REACH Annex XVII (Restriction List): Does not contain any substance subject to the restrictions of Annex XVII of REACH.
REACH Annex XIV (Authorisation List): Does not contain any substance listed in REACH Annex XIV.
REACH Candidate List (SVHC): Does not contain a REACH candidate substance.
PIC Regulation (Prior Informed Consent): Does not contain any substances subject to Regulation (EU) 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals.
POPs Regulation (Persistent Organic Pollutants): Does not contain substances subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

Ozone Regulation (1005/2009): Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.
VOC (Directive 2004/42/EG): 160 g/L
Regulation on explosives precursors (EU 2019/1148): Does not contain substances on the list of explosives precursors (Regulation EU 2019/1148 on the marketing and use of explosives precursors).
Drug Precursors Regulation (273/2004): Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors).

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compounds (VOC) content in percent by weight: 160 g/L

15.1.2. National regulations
No data available

15.2. Chemical Safety Assessment
No data available

SECTION 16: Other information

* 16.1. Indication of changes

8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.7.	Additional information

Limit value / limit values updated: AT, DE, PL, RO, SK, SI

* 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
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
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
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.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice
No data available

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16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.