

TourTurf® EPT Respond® Extreme Penetrator

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

1.1 - Product identifier

Trade name/designation TourTurf® EPT Respond® Extreme Penetrator
Chemical name
Product-type Mixture

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

E.Marker A/S
Okslundvej 8, DK-6330, Padborg, Denmark
Denmark
Telephone : +45 74 67 08 08 Fax +45 79 30 41 90
E.Marker A/S: info@emarker.dk

1.4 - Emergency telephone number

- National Poisons Information Service of England: <http://npis.org> -
NHS 111: dial 111 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
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2.2 - Label elements

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

Signal word : None
Pictograms : None
Hazard statements

H412	Harmful to aquatic life with long lasting effects.
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Precautionary statements

P273	Avoid release to the environment.
P501	Dispose of container/contents to an appropriate recycling or disposal facility in accordance with local regulation.
P280	Wear eye protection/protective gloves.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312	IF SWALLOWED: Call a doctor/a POISON CENTER if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P314	Get medical advice/attention if you feel unwell.

EUH-phrases : None

2.3 - Other hazards

PBT substances

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vPvB substances

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Information on the substance
3-(2-methoxyethoxy)propyl-methyl-bis(trimethylsilyloxy)silane	CAS No. : 27306-78-1 Index No. : EC No. : 608-078-3	>= 1 - < 5	Acute Tox. 4 Inhalation - H332 Aquatic Chronic 2 - H411 Eye Irrit. 2 - H319	(a)
Sodium salicylate	CAS No. : 54-21-7 Index No. : EC No. : 200-198-0 REACH No. : 01-2119918289-28-XXXX	>= 1 - < 5	Acute Tox. 4 Oral - H302 Eye Irrit. 2 - H319 Repr. 2 - H361	(a)

(a) Substance contributing to the classification

(b) Substance with exposure limite value

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following skin contact - After contact with skin, wash immediately with plenty of water and soap.

After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion - When in doubt or if symptoms are observed, get medical advice.

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

Symptoms and effects -
Following inhalation - No information available.

Symptoms and effects -
Following skin contact - No data available.

Symptoms and effects - After
eye contact - No information available.

Symptoms and effects - After
ingestion - No information available.

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

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media - ABC-powder
- Water mist
- Carbon dioxide (CO₂)

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Unsuitable extinguishing media - Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No data available.

Hazardous decomposition products - No data available.

5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.
- Isolate leaks provided that there is no additional risk for the people performing this task.
- Keep product away from drains, surface and ground water.
- It is recommended: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

For emergency responders

- Provide adequate ventilation.
- Use personal protection equipment.

6.2 - Environmental precautions

- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Ventilate affected area.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

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Recommendation

- A.- Precautions for safe manipulation: Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.
- B.- Technical recommendations for the prevention of fires and explosions: It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.
- C.- Technical recommendations to prevent ergonomic and toxicological risks: Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
- D.- Technical recommendations to prevent environmental risks: It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

Advices on general occupational hygiene

- No information available.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.
- Minimum storage temperature 5C
- Maximum storage temperature 30C
- Avoid sources of heat, radiation, static, electricity and contact with food.

7.3 - Specific end use(s)

- Observe technical data sheet.
- Except for the instructions already specified it is not necessary to provide any special recommendations regarding the uses of this product.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

- No data available.

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Spectacles.
- Protective gloves



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- Suitable protective clothing: lab coat



Environmental exposure controls - No data available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	clear	<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		7.13	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		Non Flammable (>60 C)	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		1.076 kg/l	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

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Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No data available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

10.5 - Incompatible materials

- No data available.

10.6 - Hazardous decomposition products

- No data available.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

ATE oral : 21583.35

ATE dermal : -

ATE Inhalation Dust/Mist : -

ATE Inhalation Vapor : 220

ATE Inhalation Gas : -

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No data available.

Skin corrosion/irritation

- Not classified

- No data available.

Serious eye damage/eye irritation

- Not classified

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	- No data available.
<u>Respiratory or skin sensitisation</u>	- Not classified
	- No data available.
<u>Germ cell mutagenicity</u>	- Not classified
	- No data available.
<u>Carcinogenicity</u>	- Not classified
	- No data available.
<u>Reproductive toxicity</u>	- Not classified
	- No data available.
<u>STOT-single exposure</u>	- Not classified
	- No data available.
<u>STOT-repeated exposure</u>	- Not classified
	- No data available.
<u>Aspiration hazard</u>	- Not classified
	- No information available.

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- Harmful to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No data available.

12.3 - Bioaccumulative potential

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Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No data available.

12.4 - Mobility in soil

- No data available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- No information available.

12.7 - Other adverse effects

- No data available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - No information available.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	No data available

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	18/02/2026		

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2

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Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Irrit. 2	Eye irritation - Category 2
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity - Category 2

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