

MATERIAL SAFETY DATA SHEETS
 TileMaster – Colour Enhancer (Solvent)

Section 1 – Product Identification	
Product name	TileMaster Colour Enhancer (Solvent)
Product type	Liquid
Product description	Water-based solution to protect marble, granite, porous stone from water and oil
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Section 2 – Hazards Identification

2.1

Classification of the substance according to Regulation EC n. 1272/2008

The product is not classified as dangerous –

H226, H304, H319, H315

Dangers for human health: Skin and eyes irritating
 Causes severe damage to eyes

See section 16 for the complete text of sentence H

See section 11 for additional information on health effects

Hazardous indications:

H304 May be fatal if swallowed and enters airways
 EUH066 repeated exposure may cause skin dryness and cracks.

Prudence recommendations:

P101 Keep far from the reach of children
 P210 keep far from heating sources/sparks/free flames. Do not smoke
 P280 Wear gloves/protective clothes/protect eyes/face
 P301-P310 IN CASE OF INGESTION: immediately call a doctor
 P501 Collect the product/container according to Directives.
 P207 use only outside or in a well airy ambient.

Indications on precautions:

Prevention: Wear protective gloves
 Protection for eyes and face.
 Do not eat, drink or smoke during use.
 Wash hands well after use.

Disposal: Do not waste residues in the environment

2.2

Label indications:



Danger labelling in compliance with (CE) 1272/2008 (CLP) Regulation and following



modifications and adjustments

Danger: Irritant
Risk: H315 causes skin irritation
Risk: H226 Liquid and flammable vapors
Risk: H319 causes severe eye irritation
Safety: S24/S25 avoid contact with eyes and skin
S36/S37/S39 wear suitable protective clothes and gloves to protect eyes/face
P 210 keep far from heating, sparks, free flames. Do not smoke
P 270 do not eat, drink or smoke during use
P 280 wear protective clothes and gloves. Protect eyes/face
P 301-P310 IN CASE OF INGESTION immediately call a doctor

Section 3 – Composition / Information on the ingredients

3.1

Ingredient	Identifier CAS number	Identifier CAS number	% w/w	Classification according to Regulation 1272/2008
Toluene	108-88-3	203-625-9	<20%	H290 H315 H319
Naphtha	6774-2-48-9	265-150-3	60 – 90%	H226 H304 H336
Tetrachloroethylene	127-18-4	204-825-9	<0,05%	H290 H315 H319

Section 4 – First Aid Measures

4.1

First aid measured description:

In case of contact with the skin: Remove dirty shoes and clothes then safely dispose them. Wash the area with soap and water. Immediately call a doctor in case of irritation, swelling or redness persist. In case of contact with the eyes: Rinse well with water. Call the specialist doctor or local hospital if irritation persists.

4.2

Main symptoms and effects both acute and delayed, see chapter 11:

Skin contact: Redness, irritations

Eyes contact: Eyes irritation

4.3

Indication on the eventual necessity of contacting a doctor and special treatments - Follow doctor's instructions.

Section 5 – Anti-Fire Measures

5.1

Extinguisher means:

Carbon dioxide, foam, powder and nebulized water.

DO NOT USE WATER JETS.

May be used to cool closed containers exposed to flames and to prevent from explosions.

5.2

Dangers coming from substance or mixture:

DANGERS LINKED TO EXPOSURE IN CASE OF FIRE



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There might be over-pressure in the containers exposed to fire with consequent danger of explosion.
Avoid breathing burning substances (Carbone oxide, toxic products in pyrolysis)

5.3

Information for the staff extinguishing the fire.

GENERAL INFORMATION SAFETY DATA SHEET

Cool containers with water jets in order to avoid product decomposition and the formation of possible substances that would be health dangerous. Always wear the whole anti-fire equipment. Collect extinguishing water that won't be pour down drains. Collect dirty water and all the residues according to current rules.

EQUIPMENT

Protective cap with peak, fireproof clothes (jacket and trousers with bands around arms, legs and hips), suitable gloves (anti-fire, anti-cut), auto-breather (auto protector).

Section 6 – Accidental Release Measures

6.1

Personal precautions, protective equipment and procedures in case of emergency.

Remove any ignition or heating source (cigarettes, flames, sparks, etc.) in the concerned area. In case of solid product avoid the formation of powder, spraying some water unless there are specific notifications.

In case of powders dispersed in the air or vapours, use suitable breathing protection.

Stop the discharge if there's no danger. Do not handle damaged containers or the discharged product without wearing suitable protective clothes.

For any information regarding risks for environment and health, breathing protection, ventilation and individual protective means, please refer to other chapt. in this data sheet.

6.2

Environmental precautions

Do not let the product pour down drains, superficial waters, water-bearing stratum and border areas.

6.3

Methods and materials to collect and clean.

Absorb the discharged product using absorbing inert material. (sand, powder) Collect most of the residual product using collecting containers. Remove the residual using water jets if there are not opposite notifications. Good air the ambient concerned by the discharge. Product disposal must be performed according to chapt. 13.

Section 7 – Handling and Storage

7.1

Precautions for safe handle:

Wear gloves, apron, mask and boots.

7.2

Safe warehouse:



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Keep container well sealed in a dry place; protect from freeze and avoid temperatures higher than 40°C. Do not keep in warehouse together with acids and strong basis.

7.3

Specific end uses:

Anti-stain treatments

Section 8 – Exposure Control and Protection

8.1

Since the use of suitable technical measures should be first than personal protection equipment, it's necessary to ensure a proper ventilation through the use of a good aspiration device or the polluted air discharge. If these operations do not keep product concentration under minimum exposure values, it will be necessary to wear a suitable breathing apparatus protection. During use, refer to danger label for more details. Personal protective clothes must be in compliance with the rules here below indicated:

Hands Protection

Protect hands using working gloves, II category. (ref. Directive 89/686/CEE and Rule EN 374) like: PVC, neoprene, nitrile or equivalent.

The final choice of the gloves must consider: degradation, breaking time and permeability. In case of mixtures the gloves resistance must be checked before using, it is not foreseeable. Gloves have a wear and tear term that depends on exposure time.

Eyes Protection Wear sealing protective mask (ref. Rule EN 166)

Skin Protection Wear long sleeves working clothes and shoes for professional use, II category. (ref. Directive CEE and EN 344 rule). Wash with plenty of water after taking protective clothes off.

Breathing Protection

In case of overcoming of the limit value of one or more substances present in the product, wear a mask with filter A type or the universal type, whose class (1,2 or 3) will be chosen according to the use. (ref. EN 141 Rule). The use of breathing apparatus protections, like mask with filter for organic vapors and powders/fog, it's compulsory in absence of technical measures to limit the worker exposure. The protection given by the mask is limited anyway. If the substance is odourless or in case of emergency (unknown time of exposure or the oxygen level in the ambient is lower than 17%) wear a compressed air auto-breather at open circuit (ref. Rule EN 137) or a respirator with external air outlet for the use with whole mask, semi-mask or nozzle. (Ref. Rule EN 138). If there's the risk to get squirts or sprinkles due to the type of work performed, it's necessary to foresee a suitable mucous protection (mouth, nose, eyes) in order to avoid accidental absorptions.

8.2

Limits of exposure:

Tetrachloroethylene:

TWA 170 mg/m₃ - STEL 678 mg/m₃

Toluene:

TWA 75,4 mg/m₃

Naphtha:

TWA 500 mg/m₃

8.3

Exposure control, Technical controls:

Handle in well ventilated areas



8.4

Individual protection:

Wear gloves and mask, in normal use conditions no vapors is generated

8.5

Environmental protection:

Avoid discharge in sewers

Section 9 – Chemical and Physical Properties

9.1

Status:

Liquid

Color:

Opalescent

Odor:

Typical of hydrocarbons solvent

Smelling threshold:

Not determined

pH:

Not determined

Boiling point:

Not determined

Fusion point:

Not determined

Flashing point:

40°C

Ignition temperature:

not determined

Vapors:

Not determined

Viscosity:

Not determined

Solubility:

Not soluble in water

Section 10 – Stability and Reactivity

10.1

Reactivity:

No dangerous reaction in normal conditions of use

10.2

Chemical stability:

The product is chemically stable in normal conditions of use and storage

10.3

Possible dangerous reactions:

No dangerous reactions detected

10.4

Conditions to avoid:

Avoid overheating, electrostatic charges or any ignition source



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10.5

Hazardous decomposition products:

Due to thermic decomposition or in case of fire there could be possible releases of gas and vapors probably dangerous to health

Section 11 – Toxicological Information

Acute inhalation toxicity:

No relevant data

Acute oral toxicity:

None

Contact with the skin:

May cause irritation

Contact with the eyes:

May cause irritation

Carcinogenicità:

None

Mutagenicità:

None

Teratogenicità:

None

Ingestion:

No effect on human health linked to the product ingestion has been detected. Use the product according to the instruction.

Ingestion can cause:

Gastrointestinal irritation. Symptoms: pain, vomit, nausea and abdomen pain.

Additional toxic information:

No particular negative effect has been detected.

The introduction of little quantities of product in the breathing apparatus may cause vomit, bronco-pneumonia or pulmonary edema.

Due to continuous exposure the product may bring to a skin degreasing, causing cracks and dryness.

Section 12 – Ecological Information

There's no information on the product, so use it according to good working procedures, do not waste it in the environment. Absolutely avoid to waste product in the ground or drains. Call authorized companies if the product reaches water drains or in case of ground or flora pollution. Follow all the measures to reduce at the minimum level the effects on water drains.

12.1

Toxicity Information:

Not available

12.2

Persistence and degradability Information:

Not available

12.3

Potential bio-accumulative Information:

Not available



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12.4

Mobility in the ground Information:

Not available

12.5

Results of the PBT and vPvB evaluation Information:

Not available

12.6

Additional effects Information:

Not available

Section 13 – Disposal Considerations

13.1

Waste Handling:

Re-use, if possible the product. Product residues must be regarded as special dangerous waste. Waste danger that contain this product must be evaluated on the basis of current rules.

Disposal:

Must be performed by company authorized to waste handling, according to national and local current rules. Polluted Packages, Polluted packages must be recovered or wasted in compliance with National rules concerning waste management.

Section 14 - Transport

Transport must be performed by specific vehicles authorized to transport of dangerous goods, in compliance with current rules of the current ADR agreement and applicable disposition.

Transport must be performed in original containers and, anyway, use packages made of materials not attaching by the product inside.

Loading staff must be properly trained on possible risks and eventual procedures to follow in case of emergency.

Road or rail:

Class ADR/RID 3 UN 3295

Packing group III

Label



Nr. Kemler 30

Limited Quantity LQ07

Tunnel restriction code (D/E)

Technical name Hydrocarbons, liquid, N.A.S.



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By sea:
Class IMO 3 UN 3295
Packaging Group III
Label



EMS F-E S-E
Marine pollutant NO
Proper shipping Name Hydrocarbons, liquid N.O.S.

By air
IATA 3 UN:3295
Packing group III
Label



Cargo:
Packing instruction 310 quantity max:220l
Pass
Packing instruction 309 quantity max 60l
Particular instructions A3
Proper shipping name:
Hydrocarbons liquid N.O.S.

Section 15 – Regulatory Information

15.1

Regulation on health, safety and environment specific for the substance

Regulation CE n. 1907/2006 (REACH), Annex XIV list of substances subject to authorization-
substances SVHC: not present listed substances

- Annex XVII: listed substances are not present

- Sanitary checks

- The staff working with this kind of product must be subject to sanitary checks as foreseen in the Art. 41 of D.Lgs. 81 dtd April 9 2008, unless the risk for the worker is regarded as not relevant, as foreseen in the Art.224 comma 2.

15.2

Evaluation of chemical safety

No safety evaluation has been draft for mixture and substances contained.



Section 16 – Other Information

16.1

Classification according to Regulation CE 1272/2008

Hazard indications:

Flam. Liq.2 Flammable liquid, cat. 2

Acute tox.3 High toxicity, cat. 3

STOT SE 1 Specific toxicity for target - single exposure, Cat. 1

Flam.Liq.3 Flammable liquid, cat.3

STOT SE 3 Specific toxicity for target-single exposure, Cat.3

Carc. 1B Cancerogenicity, CAT 1 B

Muta , 1B Mutagenicity on stem cells, cat. 1 B

Asp. Tox.1 Danger in case of aspiration, cat. 1

Acute tox.4 High toxicity, cat. 4

STOT RE 1 Specific toxicity for target - repeated exposure, cat. 1

Eye Irrit. 2 Eyes irritation, cat.2

Aquatic Acute 1 Dangerous for fish fauna, high toxicity, cat.1

Aquatic Chronic 1 Dangerous for fish fauna, high toxicity, cat.1

H226 Liquid and flammable vapours

H304 may be fatal in case of ingestion and penetration to breathing system

H305 may be harmful if swallowed and by penetrating breathing ways

H315 causes eyes irritation

H319 causes severe eyes irritation

H304 may be fatal in case of ingestion and penetration to breathing system

EUH066 Continuous exposure may cause skin dryness and cracks.

R10 flammable

R11 easily flammable

R 23/24/25 toxic by inhalation, skin contact, ingestion

R36 eyes irritating

R48/25 toxic: serious healthy damages in

Case of long exposure by ingestion.

R50/53 high toxic for aquatic organism,

At long term it may cause negative effects for fish fauna

R65 harmful: if swallowed could cause serious damage to lungs.

R66 continuous exposure may cause skin dryness and cracks.

R67 vapours inhalation may cause sleepiness and giddiness.

R68 possibility of non-reversible effects.

General Bibliography

1. Directive 1999/45/CE and following modifications
2. Directive 67/548/CEE and following modifications
3. Regulation (CE) 1907/2006 of European Parliament (REACH)
4. Regulation (CE) 790/2009 of European Parliament (I Atp. CLP)
5. Regulation (CE) 453/2010 of European Parliament
6. The Merck Index Ed. 10
7. Handling Chemical Safety
8. Niosh- Registry of Toxic Effects of Chemicals Substances
9. INRS – Fiche Toxicologique



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10. Patty- Industrial Hygiene and Toxicology

11. N.I. Sax. – Dangerous properties of Industrial Materials – 7 Ed. 1989

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