



Safety Data Sheet

according to Regulation (EC) No. 453/2010

POWERTEX HARDENER

Date of issue: 10/09/2002

Revision date: 17/12/2014

Version:2.0

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

1.1. Product identifier

Product form : Mixture
Trade name : POWERTEX HARDENER
Synonyms : POWERTEX TRANSPARANT, TERRACOTTA, BLACK, GREEN, RED, BLUE, OCHRE, BRASS, IVORY, CHIME
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Professional use, Consumer uses
Industrial/Professional use spec : Waterbased hardener

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Powertex International
Strombeeksesteenweg 205
1800 VILVOORDE - BELGIË
T +3223106090 - F +3223106699

1.4. Emergency telephone number

Emergency number : Belgian poison control centre : 00 32 (0)70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC.

2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
H2O	(CAS No) 7732-18-5	40 - 60	Not classified
Dispersion of high performance polymers		40 - 60	Not classified
dye stuffs and pigments		<= 8	Not classified
Rest monomers		< 0,2	Not classified

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Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person.
- First-aid measures after inhalation : Not applicable.
- First-aid measures after skin contact : Remove clothing before washing. Wash with water and soap.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Take victim to an ophtalmologist if irritation persists.
- First-aid measures after ingestion : (If swallowed, rinse mouth, noose and throat with water (only if the person is conscious)). Drink plenty of water. When there is no quick recovery : consult a doctor/medical service.

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

- Symptoms/injuries after skin contact : Irritating in extreme situations.
- Symptoms/injuries after eye contact : Irritating in extreme situations.
- Symptoms/injuries after ingestion : Nausea.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : All extinguishing media allowed.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : The product itself does not burn. In dry state: combustible.
- Explosion hazard : No direct explosion hazard.
- Reactivity : Upon combustion CO and CO2 are formed.

5.3. Advice for firefighters

- Precautionary measures fire : Evacuate all personnel that isn't necessary. Shut off leaks if without risks.
- Firefighting instructions : Prevent fire-fighting water from entering environment.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.
- Other information : The product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Not applicable.

6.1.1. For non-emergency personnel

- Protective equipment : Use protective clothing. See Heading 8.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing and gloves. Equip cleanup crew with proper protection.
- Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Shut off leaks if without risks. Contain released substance, pump into suitable containers. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.
- Methods for cleaning up : Wash down leftovers with plenty of water.

6.4. Reference to other sections

See also sections (8, 13).



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Observe normal hygiene standards. Avoid contact with skin and eyes.
Handling temperature : 5 - 35 °C
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry place.
Storage temperature : 5 - 40 °C
Storage area : Keep out of direct sunlight. Protect against frost.

7.3. Specific end use(s)

Waterbased hardener.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Gloves.



Hand protection : Wear rubber gloves or PVC gloves.
Skin and body protection : Standard working clothes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Odour : characteristic odour.
pH : 3,5 - 4,5
Flash point : > 100 °C
Auto-ignition temperature : Not applicable
Density : 1,1 kg/lit
Solubility : Water: completely soluble
Viscosity, dynamic : 2500 - 5000 mPa.s (20°C Spindle 6 10 rpm)
Explosive properties : Not applicable.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion CO and CO₂ are formed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

To avoid strong acids and materials that react with water.

10.6. Hazardous decomposition products

No additional information available



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: 3,5 - 4,5
Serious eye damage/irritation	: Not classified pH: 3,5 - 4,5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Prevent soil and water pollution.
Ecology - water	: Miscible with water.

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

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Ecology - soil	Biodegradability in soil: no data available.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Remove to an authorized waste treatment plant. Disposal must be done according to official regulations.
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SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

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

Other information	: No supplementary information available.
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14.6. Special precautions for user

14.6.1. Overland transport

Transport regulations (ADR) Not subject

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances.

15.1.2. National regulations

Regional legislation : This product is according to EEC directive 1999/45, 67/548 and following adjustments not classified as hazardous.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty.