according to 1907/2006/EC, Article 31

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

- Product identifier
- Trade name: PROTECT Primer
- Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

- Application of the substance / the mixture Concrete Protection
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

Ha-Be Middle East Oman LLC

P.O. Box 32 | Postal Code 118 | Muscat - Sultanate of Oman

Phone: +968 24181713

office.oman@ha-be.com | www.om.ha-be.com

Ha-Be Middle East FZE

SAIF Zone | P.O. Box 9583 | Sharjah - UAE Phone: +971 6 557 28 30 | Fax +971 6 55728 60

office.uae@ha-be.com | www.ha-be.ae

Ha-Be Qatar | Concrete Additives Company W.L.L

P.O. Box 500596 | Doha - Qatar

Phone: +974 44691210 | Fax: +974 44165280 office.qatar@ha-be.com | www.qa.ha-be.com

- Further information obtainable from: reach@ha-be.com
- Emergency telephone number: see above

2 Hazards identification

- Classification of the substance or mixture



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

- Label elements
- GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

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- Hazard pictograms







GHS02 GHS07 GHS08

- Signal word Danger
- Hazard-determining components of labelling:

xylene

- Hazard statements

Flammable liquid and vapour.

Harmful in contact with skin or if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

- Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterisation: Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.
- Dangerous components:

1330-20-7 xylene

50-100%

Flam. Liq. 3, H226;

Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Acute Tox. 5, H303

- Additional information: For the wording of the listed hazard phrases refer to section 16.

ΑE

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4 First aid measures

- Description of first aid measures
- General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:

Take-off and remove wetted clothing, shoes and stocking immediately. Wash any exposed body surfaces with soap and water.

For large-area skin contact severe poisoning possible.

Call a doctor immediately.

- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:

Rinse out mouth and then drink plenty of water.

Danger of aspiration. In case of spontaneous vomiing keep the head under the level of the hips to avoid aspiration.

Call a doctor immediately.

- Information for doctor:
- Most important symptoms and effects, both acute and delayed

visual defect

vomit

diarrhoe

respiratory complaints

Irritation

Coughing

Headache

Dizziness

Dizziness

Nausea

Breathing difficulty

Unconsciousness

- Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture

Vapors are heavier than air and spread on the floor.

Can form explosive gas-air mixtures.

Carbon monoxide, soot and tar will be released during incomplete combustion.

Carbon monoxide (CO)

hydro carbons

- Advice for firefighters
- Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

- Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

- AE

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6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation

Keep away from ignition sources.

- Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- Handling:

- Precautions for safe handling

Prevent formation of aerosols.

Ensure good ventilation/exhaustion at the workplace.

Store in cool, dry place in tightly closed receptacles.

No special precautions are necessary if used correctly.

- Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.

Flammable gas-air mixtures may form in empty receptacles.

Protect from heat.

Keep ignition sources away - Do not smoke.

No special measures required.

- Conditions for safe storage, including any incompatibilities

- Storage:
- Requirements to be met by storerooms and receptacles:

Store in a cool location.

Avoid temperatures above 40℃.

Store only in the original receptacle.

- Information about storage in one common storage facility: Store away from oxidising agents.
- Further information about storage conditions:

Keep container tightly sealed.

Store in well ventilated conditions with a temperature between 5 and 25°C.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Control parameters
- Ingredients with limit values that require monitoring at the workplace:

1330-20-7 xylene

PEL (USA) Long-term value: 435 mg/m³, 100 ppm

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| | (Contd. of page 4) |
|---|--|
| REL (USA) | Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm |
| TLV (USA) | Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI |
| IOELV (EU) | Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin |
| WEL (Great Britain) | Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV |
| - Ingredients with biological limit values: | |
| 1330-20-7 xylene | |
| BEI (USA) | 1.5 g/g creatinine Medium: urine |

Parameter: methyl hippuric acid

- Additional information: The lists valid during the making were used as basis.

Sampling time: post shift

Parameter: Methylhippuric acids

Time: end of shift

Medium: urine

- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:

BMGV (Great Britain) 650 mmol/mol creatinine

Do not eat, drink, smoke or sniff while working. Wash hands before breaks and at the end of work.

- Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Use suitable respiratory protective device only when aerosol or mist is formed.

Typ A

- Protection of hands:

To avoid skin problems reduce the wearing of gloves to the required minimum.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:



Tightly sealed goggles

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- Body protection: Protective work clothing

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9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Appearance:

Form: Fluid Colour: Colourless
- Odour: Characteristic
- Odour threshold: Not determined.
- pH-value: Not determined.

- Change in condition

Melting point/freezing point: Undetermined. Initial boiling point and boiling range: Undetermined.

- Flash point: 25 ℃

Not applicable.

- Flammability (solid, gas): Not applicable.

- Ignition temperature: $\sim 270~{}^{\circ}{}$

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

- Explosion limits:

Lower: 0,7 Vol % **Upper:** 12,0 Vol %

- Vapour pressure:

- Density at 20 ℃:

- Relative density

- Vapour density

- Evaporation rate

Not determined.

Not determined.

Not determined.

- Solubility in / Miscibility with

water: Partly miscible.- Partition coefficient: n-octanol/water: Not determined.

- Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

- Solvent content:

Organic solvents: ~ 79,0 %

- Other information No further relevant information available.

10 Stability and reactivity

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications. avoid the present of warmth, flares, sparks.

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- Possibility of hazardous reactions

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reacts violently with:

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oxidising agents, sulfuric acid, nitric acid, sulfur

- Conditions to avoid At elevated temperatures hazardous decomposition products may be evolved.
- Incompatible materials:

plastics

rubber

- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity
- LD/LC50 values relevant for classification:

1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat) Dermal LD50 2,000 mg/kg (rabbit)

- Primary irritant effect:
- Skin corrosion/irritation Irritant to skin and mucous membranes.
- Serious eye damage/irritation Strong irritant with the danger of severe eye injury.
- Respiratory or skin sensitisation No sensitising effects known.

12 Ecological information

- Toxicity
- Aquatic toxicity:

EC50 (24h) = 1.1 mg/L (Daphnia magna) (ECHA)

LC50 (96h) = 2,6 mg/L (Oncorhynchus mykiss) (ECHA)

- Persistence and degradability

The solvent is biodegradable.

theoretical oxygen requirement: 3,125 mg/g

theoretical carbon dioxid: 3,316 mg/mg

- Behaviour in environmental systems:
- Bioaccumulative potential Product is easily biodegradable
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation

After prior treatment product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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- Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number

- ADR, IMDG, IATA UN1993

- UN proper shipping name

- ADR 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES)
- IMDG, IATA 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES)

- Transport hazard class(es)

- ADR, IMDG, IATA



- Class 3 Flammable liquids.

- Label 3

- Packing group - ADR, IMDG, IATA

- Environmental hazards:

- Marine pollutant: No

Special precautions for user
 Warning: Flammable liquids.

- Danger code (Kemler): 33 - EMS Number: F-E,S-E - Stowage Category A

- Transport in bulk according to Annex II of Marpol

and the IBC Code Not applicable.

- **Transport/Additional information:** Not dangerous according to the above specifications.

- ADR

- Limited quantities (LQ) 1L

- Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

- Transport category 2
- Tunnel restriction code D/E

- IMDG

- Limited quantities (LQ) 5L - Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml UN 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES).

- UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S. (XYLENES),

3, II

15 Regulatory information

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

- GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

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Trade name: PROTECT Primer

- Hazard pictograms









GHS02 GHS07 GH

- Signal word Danger

- Hazard-determining components of labelling:

xylene

- Hazard statements

Flammable liquid and vapour.

Harmful in contact with skin or if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

- Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

H226 Flammable liquid and vapour.

H303 May be harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H332 Harmful if inhaled.

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- Abbreviations and acronyms:
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 5: Acute toxicity – Category 5
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

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