

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **ESTOCRETE HF - BASE**
 Application: Binder for flooring material
 Use advised against: No additional information available
 Company: **PT. HISSAN TRADING INDONESIA**
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2: HAZARDS IDENTIFICATION

Type of product: Mixture

A. Hazard Risk Classification

Classification (1272/2008/CE):
 No classification in accordance with the Directive (EC) No. 1272/2008.

Classification (2006/121/EC, 1999/45/EC):
 No classification according to EC Directives 2006/121/EC or 1999/45/EC.

B. Label elements including precaution statements.

Labelling (1272/2008/CE):
 No labelling necessary according to the Directive (EC) No. 1272/2008.

Labelling (2006/121/EC, 1999/45/EC):
 No labelling is required for this material by the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4), in accordance with EC Directives

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Content, %
Poly alcohol emulsion	Confidential	-
Oil in water	Confidential	-
Contains no phtalates	Confidential	-

No dangerous ingredients according to Regulation (EC) No. 1907/2006

4: FIRST AID MEASURES

Description of first aid measure,

General Advice: Remove contaminated clothing
 Eyes: Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.
 Skin: In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction.
 Inhalation: If there is difficulty in breathing, medical attention should be obtained. If symptoms are severe or persistent, seek medical attention

Swallowed: DO NOT induce the patient to vomit, medical advice is required.

5: FIRE FIGHTING MEASURES

This is a non-flammable aqueous substance. However, its dry content is approx. 70 %, in case of large fire, water could evaporate and dry matters ignite. In such case water spray mist, fire extinguishing powder is recommended.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Put on protective equipment (see section 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

Environment related measures: Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up: Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.

Reference to other sections: For further disposal measures see section 13.

7: HANDLING AND STORAGE

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.

Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated or soaked clothing.

Conditions for safe storage, including any incompatibilities:

Keep container dry and tightly closed in a cool and well-ventilate place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

VCI storage class (VCI = German Association of the Chemical Industry): 10

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

No information on Exposure Limit Values necessary according to EC directive 2006/121/EG

Exposure controls

Hand protection:

Protective gloves are recommended.

Conditionally suitable materials for protective gloves; EN 374:

Nitrile rubber - NBR (≥ 0.35 mm)

Breakthrough time not tested; dispose of immediately after contamination.

Eye protection:

Wear eye/face protection.

Skin and body protection:

Wear suitable protective clothing.

9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	liquid	
Colour:	white	
Odour:	almost odourless	
Odour Threshold:	not established	
pH:	8.9	
Pour point:	not established	
Initial boiling point:	approx. 100 °C	DIN 53171
Flash point:	ca. 127 °C	DIN EN 22719
Evaporation rate:	not established	
Flammability (solid, gas):	not applicable	
Burning number:	not applicable	
Vapour pressure:	ca. 3 hPa at 20 °C	EG A4
	ca. 11 hPa at 50 °C	EG A4
	ca. 13 hPa at 55 °C	EG A4
Vapour density:	not established	
Density:	ca. 1.01 g/cm ³ at 20 °C	DIN 51757
Solubility in water:	emulsifiable	
Surface tension:	not established	
Partition coefficient (n-octanol/water):	not established	
Autoignition temperature:	not applicable	
Ignition temperature:	not established	DIN 51794
Decomposition temperature:	not established	
Viscosity, dynamic:	ca. 850 mPa.s at 20 °C	ISO 2431
Explosive properties:	not established	
Dust explosion class:	not applicable	
Oxidising properties:	not established	
Other information:	The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data	

10: STABILITY AND REACTIVITY

Chemical stability:	No decomposition below initial flash point
Possibility of hazardous reactions:	No hazardous reactions observed.
Hazardous decomposition products:	No hazardous decomposition products when stored and handled correctly.

11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity, oral:

LD50 rat: > 5,000 mg/kg

Primary skin irritation:

Species: rabbit

Result: non-irritant

Primary mucosae irritation:

Species: rabbit

Result: non-irritant

Sensitisation:

Skin sensitization (local lymph node assay (LLNA)):

Species: mouse

Result: negative

Method: OECD Test Guideline 429

Toxicological studies at the solvent-free product

Genotoxicity in vitro:

Test type: Salmonella/microsome test (Ames test)

Result: No indication of mutagenic effects.

Method: OECD Test Guideline 471

12: ECOLOGICAL INFORMATION

Do not allow to escape into waterways, wastewater or soil.

Toxicity

Acute Fish toxicity:

LC50 > 100 mg/l

Species: Danio rerio (zebra fish)

Exposure duration: 96 h

Method: OECD Test Guideline 203

Acute toxicity for daphnia:

EC50 > 100 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 48 h

Method: OECD Test Guideline 202

Acute toxicity for algae:

IC50 > 100 mg/l

Species: scenedesmus subspicatus

Exposure duration: 72 h

Method: OECD Test Guideline 201

Acute bacterial toxicity:

EC50 > 1,000 mg/l

Species: activated sludge

Method: OECD Test Guideline 209

Persistence and degradability

Biodegradability:

Biodegradation: 12 %, i.e. not readily degradable

Method: OECD Test Guideline 301 D

13: DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations. None disposal into waste water.

14: TRANSPORT INFORMATION

ADR/RID Not dangerous goods

ADN Not dangerous goods

This classification data does not apply to transportation by tanker. If required, additional information can be requested from the manufacturer.

IATA Not dangerous goods

IMDG Not dangerous goods

Special precautions for user: Not dangerous cargo.

Keep dry.

Keep separated from foodstuffs.

15: REGULATORY INFORMATION

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

Water contaminating class (Germany): 1 slightly water endangering (in accordance with Annex 3 to the Directive on Water-Hazardous Substances)

16: OTHER INFORMATION

Also refer to the Safety Data Sheet (s) for information on other components of this product.

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used than for the stated application or applications without seeking advice from PT. Hissan Trading Indonesia.

If this product has been purchased to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described to this sheet and of any precautions which should be taken. This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from PT. Hissan Trading Indonesia.

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