

Product Name : ARKIFLOOR EHS HARDENER
 MSDS REF NO. : 1491
 ISSUE DATE : 07.05.2025

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE

PRODUCT INFORMATION

TRADE NAME : ARKIFLOOR EHS HARDENER
PRODUCT DESCRIPTION : TWO-COMPONENT, SOLVENT FREE, EPOXY FLOOR COATING SYSTEM
COMPANY : PT. SKK KAKEN INDONESIA
ADDRESS : BEKASI INTERNATIONAL INDUSTRIAL ESTATE, BLOCK C-4, KAV. 5-7, SUKARESMI CIKARANG SELATAN, BEKASI, 17530
TEL NO. : +6221 8990 6608
EMERGENCY ASSISTANCE : AS MENTIONED ABOVE

2. HAZARD IDENTIFICATION

Physical Hazard

No classified

Health Hazard

Acute toxicity (Oral)	Category 4
Skin corrosion	Category 1C
Skin Sensitisation	Category 1
Specific target organ toxicity-repeated exposure	Category 2

Environmental Hazard

No classified

GHS Pictogram



Signal Word

Danger

Hazard Statements

H302 : Harmful if swallowed.
 H314 : Causes severe skin burns
 H317 : May cause an allergic skin reaction.
 H318 : Causes serious eye damage.

Precautionary Statements

P260 : Do not breathe fume / mist / vapours / spray.
 P264 : Wash hands thoroughly after handling.
 P270 : Do not eat, drink or smoke when using this product.
 P272 : Contaminated work clothing should not be allowed out of the workplace.
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.

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Response

P301 + P330 + P331 : **IF SWALLOWED:** Rinse mouth. Do **NOT** induce vomiting.

P303 + P361 + P353 : **IF ON SKIN**(or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 : **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 : **IF IN EYES** Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue Rinsing. Immediately call a posion center or doctor/physician.

P333 + P313: If skin or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

Storage

P403 + P235 : Store in a well ventilated place. Keep cool.

P235 + P405 : Keep Container tightly closed. Store locked up.

Disposal

P501 : Dispose of contents and container to appropriate waste site in accordance with local and national regulation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	CONC.
4,4 Methylenebis(cyclohexyl amine)	1761-71-3	>10%

4. FIRST AID MEASURES**Inhalation**

Supply to fresh air and call for medical assistance immediately. If not breathing, give artificial respiration, if breathing is difficult, give oxygen. Keep at rest.

Skin Contact

Wash skin with mild soap and water immediately. Remove all contaminated clothes and shoes. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Eye contact

In case of eye contact, immediately rinse with clean water for at least 15 minutes. Get medical attention if irritation persists.

Ingestion

Do not induce vomiting. Rinse mouth with plenty of water. Get immediate medical advice/attention immediately.

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5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA** : Dry Chemical, Dry Sand, Limestone Powder, alcohol resistant Foam or CO₂.
DO NOT use water jet.
- FIRE FIGHTING PROCEDURE** : Flammable liquid and vapors
Use water spray to cool fire-exposed surfaces and to protect personnel. If a leak or spill has not ignited, use water spray to disperse the vapours. Avoid spraying water directly into storage containers. Closed containers may explode when exposed to extreme heat. Avoid spreading burning liquid with water, isolate liquid. Do not allow runoff from fire fighting to enter drains or watercourses. If possible, isolate product from heat, electrical equipment, sparks and open flame.
- FIRE FIGHTING EQUIPMENT** : Fire-fighters should use protective clothing, eyes protection, and self-contained breathing apparatus. Respiratory & eye protection required for fire-fighting personnel. Full protective equipment and self-contained breathing apparatus (SCBA) should be. Used for all indoor fires and any significant outdoor fires.

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS : Carbon dioxide. Nitric oxide.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Avoid contact with Spilled material. Warm or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material.

ENVIRONMENTAL PRECAUTIONS:

Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Do not let product enter drains. Do not flush into surface water of sanitary sewer system. Collect contaminated fire extinguishing water separately, this must not discharged into drains.

CLEAN-UP-METHODS:

Transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely.

7. HANDLING AND STORAGE

HANDLING

Avoid breathing mist or vapors. Avoid contact with skin. Use non-sparking tools and explosion proof equipment. Use only with adequate ventilation. Use proper bonding and/or earthing procedures. Prevent small spills and leakage to avoid slip hazard.

STORAGE

Keep containers tightly closed. Store in a cool, dry and well - ventilated place and accordance with local regulations. Keep away from incompatible materials (oxidizing agents, strong acids,

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bases and amines), ignition sources and do not smoke. Keep out of the reach of children.
Protect containers against physical damage and check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS / OCCUPATIONAL LIMITS

No exposure limit value known but if this product contains ingredients with exposure limits, all personnel and workplace atmosphere must ensure work carry out in an adequate ventilated condition. Wear full protective clothing.

ENGINEERING CONTROLS

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.
Ensure eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTIVE EQUIPMENTS

For respiratory organs	: Wear self-contained breathing apparatus (SCBA).
For eyes	: Wear chemical safety goggles with side shield is recommended.
For skin and body	: Wear chemical resistant clothes, safety gloves and safety shoes when handling the product. Wash hands with soap and water after handling.
For protection clothing	: Wear safety helmet, full protective clothing, safety boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, FORM	: Liquid
COLOUR	: Light amber to dark amber tone
ODOR	: Ammoniacal
BOILING POINT	: 207 °C
MELTING POINT	: Not available
FLASH POINT	: 110 °C
AUTOIGNITION TEMP.	: Not Available
FLAMMABLE LIMIT	: Not Available
SPECIFIC GRAVITY	: 0.99 ± 0.05
VAPOUR PRESSURE	: < 13.786 hPa

10. STABILITY AND REACTIVITY

REACTIVITY

No dangerous reaction known under condition of normal use.

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STABILITY

Stable under ordinary conditions of use and storage.

HAZARDOUS REACTIONS

Under normal conditions of storage and use, hazardous reaction will not occur.

CONDITION TO AVOID

Heat, open flame and other ignition sources.

INCOMPATIBLE MATERIALS

Reactive metals (e.g. sodium, calcium, zinc etc.), material reactive with hydroxyl compounds, organic acids (i.e. acetic acid, citric acid etc.), mineral acids, sodium hypochlorite, product slowly corrodes copper, aluminium, zinc and galvanized surfaces.

Reaction with peroxide may result in violet decomposition of peroxide possibly creating an explosion. Oxidizing agent.

HAZARDOUS DECOMPOSITION PRODUCTS

Smoke / carbon dioxide / carbon monoxide.

11. TOXOLOGICAL INFORMATION

This product has not been tested and all the toxicological statements have been derived from the respective components' available toxicity information.

Acute Oral Toxicity

No data is available on the product itself.

Acute Dermal / Skin Toxicity

No data is available on the product itself.

Acute Inhalation Toxicity

No data is available on the product itself.

Skin Corrosion or Irritation

Corrosive in an in vitro test.

Serious Eye Damage or Irritation

Risk of serious damage to eyes.

Respiratory or Skin Sensitisation

May cause sensitisation of susceptible persons by skin contact.

Germ Cell Mutagenicity

No data is available on the product itself.

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Carcinogenicity

No data is available on the product itself.

Reproductive Toxicity

No data is available on the product itself.

Specific Target Organ Toxicity (STOT)- Single Exposure

No data is available on the product itself.

Specific Target Organ Toxicity (STOT)- Repeated Exposure

No data is available on the product itself.

Asphyxiation hazard

No data is available on the product itself.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself. The product should not be allowed to enter drains or watercourses or to be deposited where it can affect ground or surface waters.

13. DISPOSAL INFORMATION

Recycle wherever possible. Consult manufacturer for recycling options. Do not dispose into the environment, in drains or in water courses. Method of waste disposal are incineration or biological treatment in state/federal approved facility and must be accordance with local waste and environmental authority requirements. Empty containers should be recycled or disposed through an approved waste licensed contractor.

14. TRANSPORT INFORMATION

LAND TRANSPORT ADR,RID

Class	8
Packaging Group	III
UN NO.	UN 2735
Shipping Name	Amine, liquid, corrosive, N.O.S. (Cycloaliphatic amine)

SEA TRANSPORT IMDG

Class	8
Packaging Group	III
UN NO.	UN 2735
EmS Number	F-A-S-B
MARINE POLLUTANT	No

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AIR TRANSPORT ICAO/IATA

Class	8
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Packaging Group	III
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UN NO.	UN 2735
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Shipping Name	Amine, liquid, corrosive, N.O.S. (Cycloaliphatic amine)
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15. REGULATORY INFORMATION

Follow all regulations in your country.

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Due to the conditions of handling, storage, use and disposal of this product are beyond our control, we shall not be liable for any damages incurred by the use of this product. All materials may present unknown hazards and should be used with caution. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.