

Product Name : ARKIFLOOR SLE 1M BASE
 MSDS REF NO. : 1437
 ISSUE DATE : 30.08.2022

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE

PRODUCT INFORMATION

TRADE NAME : ARKIFLOOR SLE 1M BASE

PRODUCT DESCRIPTION : Two-component, solvent free, self-leveling epoxy floor coating system.
It is used as a protective coating for floors.

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

Skin Irritation	Category 2
Eye Irritation	Category 2
Skin Sensitisation	Category 1
Chronic aquatic toxicity	Category 2

Environmental Hazard

Toxic to Aquatic Life with long lasting effect (H411)

GHS Pictogram



Signal Word

Warning

Hazard Statements

H315 : Causes skin irritation.
 H319 : Causes serious eye irritation.
 H317 : May cause an allergic skin reaction.
 H411 : Toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 : Avoid breathing dust/fumes/gas/mist/spray/vapors.
 P264 : Wash hands thoroughly after handling.
 P272 : Contaminated work clothing should not be allowed out of the workplace.
 P273 : Avoid release to the environment.

Product Name : ARKIFLOOR SLE 1M BASE
MSDS REF NO. : 1437
ISSUE DATE : 30.08.2022

P280 : Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P352 : IF ON SKIN: Wash with plenty of soap and water.

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

P363 : Take off contaminated clothing and wash before reuse.

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 poison center or doctor/ph

P337 + P313: If eye irritation persists: Get medical advice/attention.

P391: Collect spillage.

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.
Liquid epoxy resin	Undisclosed/ Proprietary	Undisclosed/ Proprietary

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.

5. Fire Fighting Measures

Suitable extinguishing media : Carbon dioxide, bubble, powder extinguisher, and dry sand.

Unsuitable extinguishing media : Straight stream of water.

Specific hazards arising from the mixture : No additional information available

Special Protective Actions for Fire Fighter:

- Wear full protective clothing and NIOSH – approved self-contained breathing apparatus.

Product Name	: ARKIFLOOR SLE 1M BASE
MSDS REF NO.	: 1437
ISSUE DATE	: 30.08.2022

- 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 equipments, sparks and open flames.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with Spilled material. Warn 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 be discharged into drains.

Methods and materials for containments and cleaning up

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 & Storage

Precautions for safe 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.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store in a cool, dry and well - ventilated place and accordance with local regulations.

Keep away from incompatible materials, ignition sources and do not smoke. Keep out of the reach of children.

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.

Appropriate engineering control measures

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.

Product Name	: ARKIFLOOR SLE 1M BASE
MSDS REF NO.	: 1437
ISSUE DATE	: 30.08.2022

Personal protective equipment

Eye protection : Use of safety glasses with side shield is recommended.

Hand protection : Chemical resistance gloves are recommended.

Skin and body protection : Wear chemical resistant clothes and safety shoes when handling product.

Respiratory protection :Wear suitable breathing apparatus.
Long sleeved shirts and trousers are recommended when handling chemicals. Wash hands with soap and water after handling.

9. Physical And Chemical Properties

Form	: Liquid
Color	: Depends on specified colours
Odour	: None
Melting point/Freezing point	: No data available
Boiling point/boiling range	: 204.4 °C
Flash point	: 266.6 °C
Specific gravity Range	: Approx. 1.70
Lower and upper flammability limit	: No data available
Vapour pressure	: 4.6 x 10 ⁻⁸ Pa (at 25°C)
Auto ignition temperature	: No data available

10.Stability And Reacitivity**Reactivity**

No dangerous reaction known under condition of normal use

Chemical stability

Stable under ordinary conditions of use and storage

Possibility of hazardous reactions

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

Conditions to avoid

Heat, open flame and other ignition sources

Incompatible materials

Oxidizing agents, strongly alkaline and strongly acid materials.

Hazardous decomposition products

None under normal use. Carbon Dioxide, Carbon Monoxide and non-combusted hydrocarbons(smoke) may be liberated when product is involved in fire.

Product Name	: ARKIFLOOR SLE 1M BASE
MSDS REF NO.	: 1437
ISSUE DATE	: 30.08.2022

11. Toxicological 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

Experimental/calculated data

LD50, oral: > 5,000 mg/kg (the product is non-harmful/non-toxic if ingested)

Acute dermal/Skin toxicity

LD50, dermal: > 5,000 mg/kg (the product is non-harmful/non-toxic in contact with skin)

Acute inhalation toxicity

LC50, inhalation: > 20 mg/L (the product is non-harmful/non-toxic if inhaled)

Skin corrosion or irritation

May cause skin irritation

Serious eye damage or irritation

May be an eye irritant

Respiratory or skin sensitisation

The product's components may cause an allergic skin reaction. This product is not expected to cause allergy or asthma symptoms or breathing difficulties if accidentally inhaled.

Germ cell mutagenicity

No information available on the product

Carcinogenicity

Titanium Dioxide

Titanium Dioxide is being classified by The International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). This is being based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

Reproductive toxicity

No information available on the product

Specific Target Organ Toxicity (STOT)- Single exposure

No information available on the product

Specific Target Organ Toxicity (STOT)- Repeated exposure

No information available on the product

Product Name	: ARKIFLOOR SLE 1M BASE
MSDS REF NO.	: 1437
ISSUE DATE	: 30.08.2022

Asphyxiation hazard

No information available on the product

12. Ecological InformationToxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Result of PBT and vPvB assessment

No data available

Other adverse effects**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)**

Proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S., Mixture (contains epoxy resin, liquid)
UN Number	3082
Class	9
Packing Group	III

SEA TRANSPORT (IMDG)

Proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S., Mixture (contains epoxy resin, liquid)
UN Number	3082
Class	9
Packing Group	III
EmS Number	F-A S-F
Marine pollutant	Yes

AIR TRANSPORT (IATA)

Proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S., Mixture
----------------------	--

Product Name	: ARKIFLOOR SLE 1M BASE
MSDS REF NO.	: 1437
ISSUE DATE	: 30.08.2022

	(contains epoxy resin, liquid)
UN Number	3082
Class	9
Packing Group	III

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this product.

Applicable national regulations:

Standard on hazard communication for hazardous chemicals and dangerous goods

SS-586: Part 1: 2014- Transport and storage of dangerous goods

SS-586: Part 2 :2014 – GHS of classification and labelling of chemicals

SS-586: Part 3: 2008(2014)- Preparation of safety data sheet

MOM : Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations

NEA: Environmental Protection and Management Act & Environmental Protection and management (Hazardous Substances) Regulations

SCDF : Fire Safety Act & Fire Safety(Petroleum and Flammable Materials) Regulations

SPF : The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate and the source of information which we have obtained is believed to be reliable. However, we cannot assume any liability for the accuracy or completeness of this information. 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 always 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.