

Safety Data Sheet

according to P.U.(A) 310/2013

Printing date 16.08.2021

Version number 1

Revision: 16.08.2021

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name:** Kosflor FC-260 Part B
- **Article number:** FC-260 (B)
- **Recommended use of the chemical and restrictions on use** No further relevant information available.
- **Application of the substance / the mixture** Coating material
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
KOSSAN PAINT (M) SDN. BHD.
1, Jalan Koporat 1/KU9, Taman
Perindustrian Meru, 42200 Kapar,
Selangor Darul Ehsan, Malaysia.
- **Further information obtainable from:**
Product safety department.
lsk@kossanpaint.com.my
- **Emergency telephone number:**
Manufacturer/supplier
603-33922799

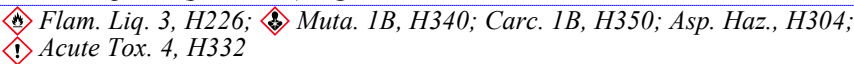
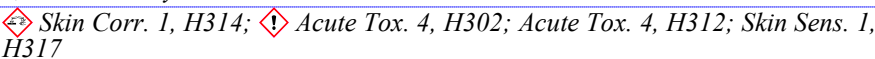
2 Hazard identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard-determining components of labelling:**
Solvent naphtha (petroleum), light arom.
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition and information of the ingredients of the hazardous chemical

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

· **Dangerous components:**

64742-95-6	Solvent naphtha (petroleum), light arom.	≥0.1-<0.9%
	<div>  </div>	
111-40-0	2,2'-iminodiethylamine	≥0.1-<0.3%
	<div>  </div>	

(Contd. on page 2)

Trade name: Kosflor FC-260 Part B

		(Contd. of page 1)
112-57-2	3,6,9-triazaundecamethylenediamine <div> <div> <div>↗</div> <div>Skin Corr. 1, H314; </div> <div> <div>↘</div> <div>Aquatic Chronic 2, H411; </div> <div> <div>⚠</div> <div>Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317</div> </div> </div> </div></div>	≥0.1-<0.25%
4067-16-7	3,6,9,12-tetra-azatetradecamethylenediamine <div> <div> <div>↗</div> <div>Skin Corr. 1, H314; </div> <div> <div>↘</div> <div>Aquatic Acute 1, H400; Aquatic Chronic 1, H410; </div> <div> <div>⚠</div> <div>Skin Sens. 1, H317</div> </div> </div> </div></div>	≥0.1-<0.25%

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

4 First-aid measures

Description of first aid measures

• **General information:**

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

No special measures required.

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· *After eye contact:*

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

· *Extinguishing media*

· **Suitable extinguishing agents:**

CO2, sand, extinguishing powder. Do not use water.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

• **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

• **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

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

Dilute with plenty of water.

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).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Reference to other sections

See Section 7 for information on safe handling.

(Contd. on page 3)

Safety Data Sheet

according to P.U.(A) 310/2013

Printing date 16.08.2021

Version number 1

Revision: 16.08.2021

Trade name: Kosflor FC-260 Part B

(Contd. of page 2)

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and 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:	
7727-43-7 barium sulphate, natural (<7.5%)	
PEL (Malaysia)	Long-term value: 10 mg/m ³
112926-00-8 Precipitated silica (Silica-Amorphous) (<2.0%)	
PEL (Malaysia)	Long-term value: 10 mg/m ³
111-40-0 2,2'-iminodiethylamine (≥0.1-<0.3%)	
PEL (Malaysia)	Long-term value: 4.2 mg/m ³ , 1 ppm (kulit)

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

(Contd. on page 4)

Safety Data Sheet

according to P.U.(A) 310/2013

Printing date 16.08.2021

Version number 1

Revision: 16.08.2021

Trade name: Kosflor FC-260 Part B

(Contd. of page 3)

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

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Liquid
Colour:	Wide Colour Range
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:** >100 °C

· **Flammability (solid, gas)** Not applicable.

· **Decomposition temperature:** Not determined.

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

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

· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

Density at 20 °C:	1.32 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.

· **Solubility in / Miscibility with water:** Fully miscible.

· **Partition coefficient: n-octanol/water** Not determined.

(Contd. on page 5)

MY

Safety Data Sheet

according to P.U.(A) 310/2013

Printing date 16.08.2021

Version number 1

Revision: 16.08.2021

Trade name: Kosflor FC-260 Part B

(Contd. of page 4)

- | | |
|--|-----------------|
| · Viscosity: | |
| Dynamic at 20 °C: | 2,500 mPas |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 1.3 % |
| Water: | 38.4 % |
| VOC (EC) | 1.28 % |
| Solids content: | 60.0 % |
| · 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 according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion or irritation** Irritant to skin and mucous membranes.
- **Serious eye damage or eye irritation** Irritating effect.
- **Respiratory / skin sensitization** No sensitising effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Toxic

Irritant

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.

(Contd. on page 6)

-MY-

Safety Data Sheet

according to P.U.(A) 310/2013

Printing date 16.08.2021

Version number 1

Revision: 16.08.2021

Trade name: Kosflor FC-260 Part B


(Contd. of page 5)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal information

- **Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transportation information

· UN-Number	
· ADR, IMDG, IATA	UN1263
· UN proper shipping name	
· ADR	1263 PAINT
· IMDG, IATA	PAINT
· Transport hazard class(es)	
· ADR, IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· Packing group	
· ADR, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

(Contd. on page 7)

MY

Safety Data Sheet

according to P.U.(A) 310/2013

Printing date 16.08.2021

Version number 1

Revision: 16.08.2021

Trade name: Kosflor FC-260 Part B

(Contd. of page 6)

· **UN "Model Regulation":**

UN 1263 PAINT, 3, III

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **EHS reference list**

64742-95-6	Solvent naphtha (petroleum), light arom.
111-40-0	2,2'-iminodiethylamine
112-57-2	3,6,9-triazaundecamethylenediamine
4067-16-7	3,6,9,12-tetra-azatetradecamethylenediamine

· **GHS label elements** Void· **Hazard pictograms** Void· **Signal word** Void· **Hazard-determining components of labelling:**

Solvent naphtha (petroleum), light arom.

· **Hazard statements** Void· **Directive 2012/18/EU**· **Named dangerous substances - ANNEX I** None of the ingredients is listed.· **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.

· **Department issuing SDS:** Product safety department.· **Contact:** Mr. S.K. Lim· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Corr. 1: Skin corrosion or irritation – Category 1

Skin Sens. 1: Skin sensitization – Category 1

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1B: Carcinogenicity – Category 1B

Asp. Haz.: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - chronic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - chronic hazard – Category 2

· *** Data compared to the previous version altered.**