

# SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

**GHS Product identifier:** NEOPELEX FS

**Other means of identification**

**SDS number:** B0007960

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

**Supplier's details**

**Manufacturer**

Company Name: PT. Kao Indonesia Chemicals  
 Address: Jl. Harapan Raya Lot LL-3B, Kawasan Industri KIIC, Karawang 41361  
 West Java, Indonesia  
 Telephone: +62-267-8634844  
 Fax: +62-267-8634845  
 Contact division: Marketing Department  
 E-mail: -

**Emergency telephone number:** +62-21-29369954 (Ext. 1502) (For chemical emergencies only)

## 2. Hazard(s) identification

**GHS classification**

**Physical Hazards**

Corrosive to metal Category 1

**Health Hazards**

Acute toxicity (Oral) Category 4

Skin Corrosion/Irritation Category 1

Serious Eye Damage/Eye Irritation Category 1

**Unknown toxicity - Health**

Acute toxicity, dermal 1.2 %

Acute toxicity, inhalation, vapor 1.2 %

**Environmental Hazards**

Chronic hazards to the aquatic environment Category 3

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

**Label Elements**

## Pictograms:



## Signal Word:

Danger

## Hazard Statement:

May be corrosive to metals.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.  
Harmful to aquatic life with long lasting effects.

## Precautionary Statements

### Prevention:

Keep only in original packaging. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

### Storage:

Store locked up. Store in corrosive resistant container with a resistant inner liner.

### Disposal:

Passed to a licensed waste contractor.

**Other hazards which do not result in GHS classification:** None.

## 3. Composition/information on ingredients

### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
Alkyl(C10-16) benzene sulfonic acids	-	68584-22-5	
Sulfuric acid	-	7664-93-9	

## 4. First-aid measures

### Description of first aid measures

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
<b>Skin Contact:</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER/doctor if you feel unwell. Wash contaminated clothing before reuse.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
<b>Personal Protection for First-aid Responders:</b>	No data available.
<b>Most important symptoms and effects, both acute and delayed Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.
<b>Indication of immediate medical attention and special treatment needed</b>	
<b>Treatment:</b>	Get medical attention if symptoms occur.

## 5. Fire-fighting measures

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Powder, alcohol-resistant foam, water spray, carbon dioxide, sand

**Unsuitable extinguishing media:** No data available.

**Special hazards arising from the substance or mixture:** Produce irritating or toxic gases in a fire.

### Special protective equipment and precautions for fire-fighters

**Special fire-fighting procedures:** Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.

**Special protective equipment for fire-fighters:** Use goggles in combination with dust mask, and other protections as appropriate to situation. Risk of producing harmful gases such as carbon monoxide and sulfur oxides. Avoid inhalation of smoke or gases.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.

<b>Accidental release measures:</b>	Keep away from sources of ignition and prepare extinguishing media.
<b>Methods and material for containment and cleaning up:</b>	Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth. Large spills: Dike spills and dispose of in safe area. If necessary, after dilution with water, cautiously neutralize with slaked lime or soda ash, and sweep or vacuum spills to containers, then flush with plenty of water.
<b>Environmental Precautions:</b>	Avoid release to the environment.

## 7. Handling and storage

### Handling

<b>Technical measures:</b>	Iron is apt to rust. Plant equipment should be treated with rust-resist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Local/Total ventilation:</b>	Use an adequate ventilation.
<b>Safe handling advice:</b>	Keep away from source of ignition. Avoid contact with skin and eyes. Avoid contact with bases. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using the product. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Store locked up. Keep away from source of ignition. Do not store with alkalies. Keep container tightly closed. Store in a well-ventilated place. Store in corrosive resistant container with a resistant inner liner.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Sulfuric acid - Thoracic fraction.	TWA	0.2 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended (2008)

<b>Appropriate Engineering Controls:</b>	Iron is apt to rust. Plant equipment should be treated with rust-resist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.
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### Individual protection measures, such as personal protective equipment

<b>Eye/face protection:</b>	Safety goggles or Face shield
<b>Hand Protection:</b>	Gloves (acid-resistant)
<b>Other:</b>	Acid-resistant protective clothing
<b>Respiratory Protection:</b>	Use chemical cartridge respirator for acids, as appropriate to situation.
<b>Hygiene measures:</b>	No data available.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	Liquid
<b>Form:</b>	Viscous liquid
<b>Color:</b>	Brown
<b>Odor:</b>	Pungent odour
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	< 68 °F/20 °C
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.

#### Upper/lower limit on flammability or explosive limits

<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	412 °F/211 °C (Cleveland open cup)
<b>Self Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	0.6 10% solution

#### Viscosity

<b>Dynamic viscosity:</b>	815 mPa.s (86 °F/30 °C) 444 mPa.s (104 °F/40 °C) 230 mPa.s (122 °F/50 °C)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.

#### Solubility(ies)

<b>Solubility in Water:</b>	Soluble
<b>Solubility (other):</b>	No data available.

**Partition coefficient (n-octanol/water):** No data available.

**Vapor pressure:** No data available.

**Relative density:** No data available.

**Density:** 1.056 g/ml (86 °F/30 °C)  
1.049 g/ml (104 °F/40 °C)  
1.042 g/ml (122 °F/50 °C)

<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	Has no self-reactivity.
<b>Conditions to avoid:</b>	Avoid contact with bases.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

#### Oral

<b>Product:</b>	LD 50 (Rat): < 2,000 mg/kg (Data on similar product)
	LD 50 (Rat): > 300 mg/kg (Data on similar product)

#### Dermal

<b>Product:</b>	Classification not possible due to insufficient data.
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#### Inhalation

<b>Product:</b>	Dusts, mists and fumes: Classification not possible due to insufficient data. Vapour: Classification not possible due to insufficient data.
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#### Components:

Sulfuric acid	Category 2: Inhalation - dust and mist: (8)
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### Skin Corrosion/Irritation

<b>Product:</b>	No data available.
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#### Components:

Alkyl(C10-16) benzene sulfonic acids	Category 1C: (21)
Sulfuric acid	Category 1A: (87)

### Serious Eye Damage/Eye Irritation

<b>Product:</b>	No data available.
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#### Components:

Alkyl(C10-16) benzene sulfonic acids	Category 1: (21)
Sulfuric acid	Category 1: (87)

#### **Respiratory or Skin Sensitization**

**Product:** Skin: No data available.  
 Not classified based on available data of component(s).  
 Respiratory: Classification not possible due to insufficient data.

#### **Carcinogenicity**

**Product:** Classification not possible due to insufficient data.

#### **IARC:**

No carcinogens present or none present in regulated quantities

#### **Germ Cell Mutagenicity**

##### **In vitro**

**Product:** Ames test (TA98, TA100): Negative (Data on similar product)  
 Classification not possible due to insufficient data.

##### **In vivo**

**Product:** Classification not possible due to insufficient data.

#### **Reproductive toxicity**

**Product:** No data available.  
 Not classified based on available data of component(s).

#### **Specific Target Organ Toxicity - Single Exposure**

**Product:** Classification not possible due to insufficient data.

#### **Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Classification not possible due to insufficient data.

#### **Aspiration Hazard**

**Product:** No data available.

#### **Other effects:**

No data available.

<b>12. Ecological information</b>
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#### **Ecotoxicity:**

##### **Acute hazards to the aquatic environment:**

##### **Fish**

**Product:** No data available.

##### **Aquatic Invertebrates**

**Product:** No data available.

##### **Toxicity to Aquatic Plants**

**Product:** No data available.

##### **Chronic hazards to the aquatic environment**

##### **Fish**

**Product:** No data available.

#### Aquatic Invertebrates

**Product:** No data available.

#### Toxicity to Aquatic Plants

**Product:** No data available.

#### Components:

Alkyl(C10-16) benzene sulfonic acids Category 3 (21)

#### Persistence and Degradability

##### Biodegradation

**Product:** No data available.

##### BOD/COD Ratio

**Product:** No data available.

##### Bioaccumulative potential

##### Bioconcentration Factor (BCF)

**Product:** No data available.

##### Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

### 13. Disposal considerations

**Disposal methods:** Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and sulfur oxides.

**Contaminated Packaging:** No data available.

### 14. Transport information

#### IMDG

UN Number:	UN 2586
UN Proper Shipping Name:	ARYLSULPHONIC ACIDS, LIQUID
Transport Hazard Class(es)	
Class:	8
Label(s):	8
EmS No.:	F-A, S-B
Packing Group:	III
Limited quantity	5.00L

Excepted quantity	E1
Environmentally Hazardous:	No



Marine Pollutant: No  
 Special precautions for user: Not Regulated

#### IATA

UN Number: UN 2586  
 UN Proper Shipping Name: Arylsulphonic acids, liquid  
 Transport Hazard Class(es):  
   Class: 8  
   Label(s): 8  
 Packing Group: III  
 Excepted quantity: E1  
 Environmentally Hazardous: No  
 Marine Pollutant: No  
 Special precautions for user: Not Regulated  
 Other information  
   Passenger and cargo aircraft: Allowed. 852  
   Cargo aircraft only: Allowed. 856

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

**Domestic Standard:** In compliance with domestic law.

**Emergency Response Guide Number:** 153

### 15. Regulatory information

#### Federal regulations

**Indonesia. Dangerous Substances that Must be Registered (Regulation of the Minister of Health of the Republic of Indonesia)**

Not Regulated

**Indonesia. Prohibited Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 1)**

Not Regulated

**Indonesia. Restricted Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 2)**

Not Regulated

**Indonesia. Precursor Chemicals (Ministry of Industry and Trade Decree No. 647/MPP/Kep/10/2004 concerning Regulation on Import of Precursors, Attachment 1)**

Sulfuric acid Listed.Listed.

**Indonesia. CWC (Law of RI No. 9 of 2008 re: Prohibition on the Use of Chemicals as Chemical Weapon)**

Not Regulated

**Indonesia. Ozone Depleting Substances (ODS) (Regulation of the Minister of Trade No. 83/M-DAG/PER/1/2012, Ann. I, II & III, as amended)**

Not Regulated

#### Inventory Status:

##### US TSCA Inventory:

On or in compliance with the inventory

<b>Canada DSL Inventory List:</b>	On or in compliance with the inventory
<b>Australia AICS:</b>	On or in compliance with the inventory
<b>Korea Existing Chemicals Inv. (KECI):</b>	Contact us for information
<b>Japan (ENCS) List:</b>	On or in compliance with the inventory
<b>Japan ISHL Listing:</b>	On or in compliance with the inventory
<b>Philippines PICCS:</b>	On or in compliance with the inventory
<b>China Inv. Existing Chemical Substances:</b>	On or in compliance with the inventory
<b>REACH (EU):</b>	Contact us for information
<b>Taiwan Chemical Substance Inventory:</b>	On or in compliance with the inventory

## 16. Other information, including date of preparation or last revision

**Issue Date:** 16.11.2022

**Version #:** 1.0

**Source of information:** No data available.

**Further Information:** No data available.

**Disclaimer:**

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

**Reference:**

- (8): OECD SIDS
- (21): Estimation
- (87): EU CLP Regulation Annex VI