

# Safety Data Sheet

## 【Section1.Identification】

Product name **Arcoparl FEHD 450**

Recommended Use Pigment (Cosmetic Use)

Manufacturer  
Company name NIHON KOKEN KOGYO CO., LTD.  
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Section Research & Development Center  
Responsibility General Manager of R&D

Information/emergency  
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Effective date Aug 7,2017  
Revisory date

## 【Section2.Hazards identification】

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

Emergency overview

CAUTION:

May cause cancer by inhalation.

Contact with powder or dusts may irritate the eyes, skin and respiratory tract.

Prolonged and repeated exposure of dust may cause lung damage.

## 【Section3.Composition / information on ingredients】

Chemical family : Pigment

Component	Content. %	CAS No.
Fluorophlogopite	ca.52.0	12003-38-2
Titanium Dioxide	ca.46.0	13463-67-7
Iron Oxide	ca.1.0	1309-37-1
Tin Oxide	ca.1.0	18282-10-5

#### 【Section4.First aid measures】

- Inhalation : Get medical attention when feeling sick by inhalation.
  - Skin : Remove excess material by cloth.
    - : Wash by copious amounts of water with soap or detergent for skin.
    - : Do not use solvent or thinner.
    - : Get medical attention when change in appearance or feeling pain.
  - Eyes : Flush with copious amounts of clean water for over 15 minutes.
    - : Flush well until behind the eyelids.
    - : Get medical attention as soon as possible.
  - Ingestion : Rinse a mouth well by water and get medical attention if necessary.
    - : Do not let vomit forcibly other than the instructions by the doctor.
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#### 【Section5.Fire-fighting measures】

- Extinguishing media : Select extinguishing media depending on situation in case of fire.
  - Specific digestion method : No need of specific digestion method as this material in itself is non-inflammable.
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#### 【Section6.Accidental release measures】

- : Wear a appropriate protective equipment (Protection gloves, Dust mask, Apron, Safety glasses, etc.) at the time of the work.
  - : The leakage should be collected into the container and sealed then moves it to the safe place.
  - : Accretion, waste, etc should be treated under the certain regulations.
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#### 【Section7.Handling and storage】

- Handling : Install regional ventilation device or wear dust mask in case of remarkable air-borne dust.
  - Storage : Keep out of direct sunlight.
    - : Store at dry room with ambient temperature.
    - : Eliminate from addition of foreign substances.
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## 【Section8.Exposure controls/personal protection】

Engineering controls : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.  
If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Exposure guidelines :	Component	OSHA PEL	ACGIH TLV
	Fluorophlogopite	TWA 2.5(F)mg/m <sup>3</sup> (a)	TWA 2.5(F)mg/m <sup>3</sup> (a)
	Titanium Dioxide	TWA 10mg/m <sup>3</sup> (a)	TWA 10mg/m <sup>3</sup> (a)
	Iron Oxide	TWA 10mg/m <sup>3</sup> (b)	TWA 5mg/m <sup>3</sup> (b)
	Tin Oxide	TWA 2(Sn)mg/m <sup>3</sup> (a)	TWA 2(Sn)mg/m <sup>3</sup> (a)

(a): Respirable Mass

(b): Fe, Fume

Personal protection : Respiratory

- Dust mask
- Use additional appropriate respiratory protection if there is the potential to exceed the exposure limit.

: Hands

- Recommended : Protection gloves

: Eyes

- Safety glasses

: Feet

- Recommended : High boots

: Body

- Recommended : Apron

## 【Section9.Physical and chemical properties】

Appearance : Golden powder  
Odour : Faint characteristic odor  
Odour threshold : No information were found.  
pH : Not applicable  
Melting point/freezing point : No information were found.  
Initial boiling point and  
boiling range : Not applicable  
Flash point : Not applicable  
Evaporation rate : Not applicable  
Flammability : Noncombustibility  
Upper/lower flammability or  
explosive limits : Not applicable  
Vapour pressure : Not applicable  
Vapour density : Not applicable  
Relative density : approx. 3.4  
Solubility : Insoluble  
Partition coefficient  
n-octanol/water : No information were found.  
Auto-ignition temperature : Not applicable  
Decomposition temperature : No information were found.  
Viscosity : Not applicable

## 【Section10.Stability and reactivity】

Stability and Reactivity : The product is stable (under normal operating condition).  
Possibility of hazardous reactions  
: No information were found.  
Conditons to avoid : No information were found.  
Incompatible materials : No information were found.  
Hazardous decomposition products  
: No information were found.

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【Section11.Toxicological information】

Acute toxicity : No information were found.  
Skin corrosion/irritation : No information were found.  
Serious eye damage/eye irritation : No information were found.  
Respiratory or skin sensitisation : No information were found.  
Carcinogenicity : No information were found.  
Information on Titanium dioxide IARC: 2B  
Reproductive toxicity : No information were found.  
Specific target organ systemic  
toxicity–Single exposure : No information were found.  
Specific target organ systemic  
toxicity–Repeated exposure : No information were found.  
Hazardous to the aquatic environment : No information were found.

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【Section12.Ecological information】

Ecotoxicity : No information were found.  
Persistent/degradable : No information were found.  
Bioaccumulation : No information were found.  
Mobility in soil : No information were found.  
Other harmful substance : No information were found.  
Harmful to the ozone layer : No information were found.

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【Section13.Disposal considerations】

: Make consignment contract with licensed industrial-waste disposer for waste disposal.  
: Waste which generated by effluent treatment, incineration, etc should be disposed or entrust licensed industrial-waste disposer in accordance with relevant law and regulation.

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【Section14.Transport information】

UN number : Not applicable  
UN proper shipping name : Not applicable  
Transport hazard classes : Not applicable  
Packing group, if applicable : Not applicable  
Marine pollutant : Not applicable

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

: Not applicable

Special precaution which a user needs to be aware of, or needs to comply with,  
in connection with transport or conveyance either within or outside their premises.

: Not applicable

Land transport

USDOT : Not classified as a dangerous good under transport regulations

Sea transport

IMDG : Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO : Not classified as a dangerous good under transport regulations

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**【Section15.Regulatory information】**

TSCA Inventory : Listed

TSCA Statement : The components of this material appear in the Toxic Substances Control Act (TSCA) Chemical Substances Inventory are available for commercial use.

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**【Section16.Other information】**

: The information contained here is based on the present state of our knowledge and is meant to describe the production in regard to the appropriate safety measures. They do not state any assurance of characteristics of the described product.

The above information refers to normal handling, in the case of special handling, please handle the material carefully taking safety measures. Since any chemical product is liable to have unknown harmful effects, very careful handling is always necessary.

Users are advised that it is their responsibility to establish safe conditions for handling the product.

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