

# Safety Data Sheet

## Keropor® AP 205-15

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(30219523/SDS\_GEN\_MX/EN)

### 1. Identification

#### Product identifier used on the label

## Keropor® AP 205-15

#### Recommended use of the chemical and restriction on use

Recommended use\*: chemical for the petroleum industry

Recommended use\*: Chemical

Suitable for use in industrial sector: Petroleum industry

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Mexicana S.A. de C.V.

Av. Insurgentes Sur 975

Col. CD. De Los Deportes,

C.P. 03710 Ciudad de México

MÉXICO

Telephone: +52 55 5325 2600

#### Emergency telephone number

Tel.: +1-800-849-5204 or +1-833-229-1000

CHEMTREC Int.: +1-703-527-3887

#### Other means of identification

Chemical family: polyolefin

Synonyms: Polyisobutylenamine/Polyether/Hydrocarbon

### 2. Hazards Identification

#### According to Regulation NOM-018-STPS-2015

#### Classification of the product

Asp. Tox.	1	Aspiration hazard
Flam. Liq.	3	Flammable liquids
Skin Corr./Irrit.	2	Skin corrosion/irritation

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Eye Dam./Irrit.	2B	Serious eye damage/eye irritation
STOT RE	2	Specific target organ toxicity — repeated exposure
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic
Aquatic Acute	3	Hazardous to the aquatic environment - acute

### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H320	Causes eye irritation.
H315	Causes skin irritation.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs (Central nervous system, Kidney, Liver) through prolonged or repeated exposure.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves and eye/face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P260	Do not breathe dust/gas/mist/vapours.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P264	Wash with plenty of water and soap thoroughly after handling.
P233	Keep container tightly closed.
P242	Use only non-sparking tools.
P240	Ground and bond container and receiving equipment.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P314	Get medical advice/attention if you feel unwell.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P331	Do NOT induce vomiting.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use foam or dry powder for extinction.

Precautionary Statements (Storage):

P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

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P501 Dispose of contents/container in accordance with local regulations.

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## 3. Composition / Information on Ingredients

### According to Regulation NOM-018-STPS-2015

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
Trade Secret	>= 25.0 - < 50.0%	Methylated homopolymer
64771-72-8	>= 10.0 - < 25.0%	Paraffins (petroleum), normal C5-20
1330-20-7	>= 10.0 - < 15.0%	xylene
64742-48-9	>= 0.0 - < 15.0%	Naphtha (petroleum), hydrotreated heavy
100-41-4	>= 3.0 - < 5.0%	ethylbenzene

A subset of the components listed above have been tested as a mixture.

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Immediately remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

#### If on skin:

Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. If irritation develops, seek medical attention.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If irritation develops, seek medical attention.

#### If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No applicable information available.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no

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known specific antidote.

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
dry powder, foam

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Wear a self-contained breathing apparatus.

#### Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Can release flammable vapours. Wind direction should be noted. Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools. Use personal protective clothing. Breathing protection required.

#### Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

#### Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

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### 7. Handling and Storage

#### Precautions for safe handling

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

Sources of ignition should be kept well clear. Take precautionary measures against static discharges. If delivered in plastic packing, highest permissible emptying temperature is 5 Kelvin below the flash point.

#### Conditions for safe storage, including any incompatibilities

Segregate from acids and bases. Segregate from oxidizing agents.

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Further information on storage conditions: Keep container tightly closed and in a cool place.

### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

ethylbenzene	Exposure limits	TWA value 20 ppm ;
xylene	Exposure limits	TWA value 100 ppm ; STEL value 150 ppm ;

#### **Advice on system design:**

Provide local exhaust ventilation to control vapours/mists.

#### Personal protective equipment

##### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

##### **Hand protection:**

Wear impermeable chemical resistant protective gloves., butyl rubber (butyl) - 0.7 mm coating thickness, fluoroelastomer (FKM) - 0.7 mm coating thickness, Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374), nitrile rubber (NBR) - 0.4 mm coating thickness, Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing., Manufacturer's directions for use should be observed because of great diversity of types., When there is a risk of frostbite from escaping gas, use thermally insulated gloves (EN 511).

##### **Eye protection:**

Safety glasses with side-shields.

##### **Body protection:**

Body protection must be chosen based on level of activity and exposure., Protective coverall and/or impermeable apron and boots as necessary.

##### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

Form:	liquid	
Odour:	mild, amine-like	
Odour threshold:	No applicable information available.	
Colour:	colourless to slightly yellow	
pH value:	approx. 10.5	
Melting point:	No applicable information available.	
Boiling point:	approx. 175 °C ( 1 ATM)	
Sublimation point:	No applicable information available.	
Flash point:	approx. 43.27 °C	(ASTM D93)

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Flammability:	Flammable liquid	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	not determined	
<i>Information on: xylene</i>		
Autoignition:	approx. 488 °C Literature data.	
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Vapour pressure:	< 5 mmHg ( 20 °C)	
Density:	0.8679 g/cm3 ( 15.56 °C)	
Relative density:	No applicable information available.	
Bulk density:	850 - 900 kg/m3	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	Study scientifically not justified.	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	No decomposition if correctly stored and handled.	
Viscosity, dynamic:	not determined	
Viscosity, kinematic:	No applicable information available.	
Solubility in water:	insoluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

## 10. Stability and Reactivity

### Reactivity

No applicable information available.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

The product is chemically stable.

### Conditions to avoid

No data available.

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### Incompatible materials

strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if correctly stored and handled.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Of low toxicity after single ingestion. Aspiration may result in chemical pneumonitis, which may be fatal. May cause pulmonary edema.

#### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Literature data.

#### Inhalation

No applicable information available.

#### Dermal

No applicable information available.

#### Assessment other acute effects

No applicable information available.

#### Irritation / corrosion

Assessment of irritating effects: Irritating to eyes and skin.

#### Skin

Species: rabbit

Result: Irritant.

#### Eye

Species: rabbit

Result: Irritant.

#### Sensitization

Assessment of sensitization: Based on the ingredients, there is no suspicion of a skin-sensitizing potential.

#### Aspiration Hazard

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May be fatal if swallowed and enters airways.

### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral exposure may affect certain organs.

#### *Information on: xylene*

*Assessment of repeated dose toxicity: Overexposure may cause liver and kidney toxicity.*

*Repeated exposure may affect certain organs. Damages the central nerve system. The substance can cause changes in the following organs after repeated exposure to large quantities: Liver Kidney*

#### *Information on: ethylbenzene*

*Assessment of repeated dose toxicity: The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause deafness after repeated inhalation. The substance may cause deafness after repeated ingestion.*

#### Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

#### Carcinogenicity

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

#### *Information on: ethylbenzene*

*Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).*

#### Reproductive toxicity

Assessment of reproduction toxicity: No applicable information available.

#### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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### Toxicity to fish

LC50 (96 h) 10 - 100 mg/l, Fish

### **Microorganisms/Effect on activated sludge**

#### Toxicity to microorganisms

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

### **Persistence and degradability**

#### Assessment biodegradation and elimination (H2O)

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

### **Bioaccumulative potential**

#### Assessment bioaccumulation potential

The product contains components with potential for bioaccumulation

### **Mobility in soil**

#### Assessment transport between environmental compartments

No data available.

### **Additional information**

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations.

### **Container disposal:**

WARNING: Empty containers may still contain hazardous residue.

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## 14. Transport Information

### **Land transport**

TDG

Hazard class:	3
Packing group:	III
ID number:	UN 1993
Hazard label:	3
Proper shipping name:	FLAMMABLE LIQUID, N.O.S. (contains PETROLEUM DISTILLATES)

### **Sea transport**

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### IMDG

Hazard class: 3  
Packing group: III  
ID number: UN 1993  
Hazard label: 3  
Marine pollutant: NO  
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains PETROLEUM DISTILLATES)

### Air transport

#### IATA/ICAO

Hazard class: 3  
Packing group: III  
ID number: UN 1993  
Hazard label: 3  
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains PETROLEUM DISTILLATES)

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## 15. Regulatory Information

### Federal Regulations

Not applicable

### **NFPA Hazard codes:**

Health: 2      Fire: 2      Reactivity: 0      Special:

### **HMIS III rating**

Health: 2<sup>a</sup>      Flammability: 2      Physical hazard: 0

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## 16. Other Information

### **SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2018/10/12

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This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.

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