

Issuing Date 08-Jul-2021

Revision Date 08-Jul-2021

Revision Number 1.0

## 1. Identification

### Product identifier

**Product Name** Braskem Ezolem™ 6-7

### Other means of identification

**Product Code(s)** P802, P802E

**UN/ID no** UN1268

**Synonyms** Distillates (petroleum), C6-rich

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

**Recommended use** Professional use  
Industrial  
Use in production of formulations: Adhesives, Paint, Thinners  
Extraction of vegetable oils

**Uses advised against** No information available.

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

#### Supplier

Braskem S.A.  
Av. Presidente Costa e Silva, 1178 –  
Capuava  
Santo André, SP, CEP: 09270-001, Brasil  
Telephone: +55 (11) 4478-1777

**E-mail address** productsafety@braskem.com

### Emergency telephone number

**Emergency telephone** CHEMTREC Brazil (Rio De Janeiro): +(55)-2139581449 Portuguese  
CHEMTREC Brazil (São Paulo): +(55)-1143491359 Portuguese  
CHEMTREC Brazil: 0800 892 0479 Portuguese  
CHEMTREC International: +1 703-741-5970

## 2. Hazard(s) identification

### GHS Classification Most Important Hazards

Classification assessment completed in accordance with ABNT NBR 14725-2.

Aspiration hazard	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Hazardous to the Aquatic Environment - Chronic Hazard	Category 3
Flammable liquids	Category 2

**Label elements****Signal word**

Danger

**Hazard statements**

Highly flammable liquid and vapor

May cause genetic defects

May cause cancer

Harmful to aquatic life with long lasting effects

May be fatal if swallowed and enters airways

**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Avoid release to the environment

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Ground/bond container and receiving equipment

Use only non-sparking tools

Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

IF SWALLOWED: Immediately call a POISON CENTER or doctor

Do NOT induce vomiting

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

No information available.

**3. Composition/information on ingredients****Substance**

Chemical name	CAS No	Weight-%
Distillates (petroleum), C6-rich A complex combination of hydrocarbons obtained from the distillation of a petroleum feedstock. It consists predominantly of hydrocarbons having carbon numbers of C5	93165-19-6	100

## 4. First-aid measures

### Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required.
<b>Inhalation</b>	Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention. Delayed pulmonary edema may occur.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Ingestion</b>	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

<b>Symptoms</b>	Difficulty in breathing. Coughing and/ or wheezing. Dizziness.
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### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.
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## 5. Fire-fighting measures

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>Explosive properties</b>	
<b>Sensitivity to static discharge</b>	Yes.
<b>Sensitivity to mechanical impact</b>	None.
<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

**Incompatible materials** None known based on information supplied.

## 8. Exposure controls/personal protection

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection**                      Tight sealing safety goggles.

**Hand protection**                              Impervious gloves. Nitrile rubber. Polyvinyl chloride (PVC). Polyvinyl alcohol. For additional information, consult the PPE (Personal Protection Equipment) supplier.

**Skin and body protection**                      Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**Respiratory protection**                      In case of insufficient ventilation, wear suitable respiratory equipment. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

**General hygiene considerations**                      Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

**Environmental exposure controls**                      No information available.

## **9. Physical and chemical properties**

### Information on basic physical and chemical properties

**Appearance**                                      Clear liquid  
**Physical state**                                      Liquid  
**Color**    colorless  
**Odor**    Characteristic  
**Odor threshold**                                      No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		No data available
<b>Melting point / freezing point</b>		No data available
<b>Initial boiling point and boiling range</b>	58 - 72 °C	No data available
<b>Flash point</b>	-22 °C	No data available
<b>Evaporation rate</b>	7.9	No data available
<b>Flammability</b>		No data available
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	6.9 vol %	No data available
<b>Lower flammability or explosive limits</b>	1.2 vol %	No data available
<b>Vapor pressure</b>	40.8 (kPa a 37.8°C)	No data available
<b>Vapor density</b>		No data available
<b>Relative density</b>	0.69 - 0.71	(@ 20/4°C - g/cm <sup>3</sup> )
<b>Water solubility</b>	Insoluble in water	No data available
<b>Solubility(ies)</b>	Organic solvents	No data available
<b>Partition coefficient</b>	Log Pow: 3.90 (n-hexane)	No data available
<b>Autoignition temperature</b>		No data available

<b>Decomposition temperature</b>		No data available
<b>Kinematic viscosity</b>	0.250 - 0.450 (mPa/s)	No data available
<b>Dynamic viscosity</b>	0.475 - 0.600 (mm <sup>2</sup> /s)	No data available
<b>Explosive properties</b>	No information available.	
<b>Oxidizing properties</b>	No information available.	

**Other information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available

**10. Stability and reactivity****Reactivity**

<b>Reactivity</b>	None under normal use conditions.
<b>Sensitivity to static discharge</b>	Yes.
<b>Sensitivity to mechanical impact</b>	None.

**Chemical stability**

<b>Stability</b>	Stable under normal conditions.
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**Possibility of hazardous reactions**

<b>Possibility of hazardous reactions</b>	None under normal processing.
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**Conditions to avoid**

<b>Conditions to avoid</b>	Heat, flames and sparks.
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**Incompatible materials**

<b>Incompatible materials</b>	None known based on information supplied.
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**Hazardous decomposition products**

<b>Hazardous decomposition products</b>	None known based on information supplied.
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**11. Toxicological information****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. May cause irritation.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Potential for aspiration if

swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

**Acute toxicity**

**Numerical measures of toxicity**

No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target organ effects** No information available.

**Neurological effects** No information available.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Distillates (petroleum), C6-rich A complex combination of hydrocarbons obtained from the distillation of a petroleum feedstock. It consists predominantly of hydrocarbons having carbon numbers of C5	EC50: =56mg/L (72h, Pseudokirchneriella subcapitata)	-	-	-

**Persistence and degradability** No information available.

<b>Mobility in soil</b>	No information available.
<b>Bioaccumulation</b>	No information available.

### 13. Disposal considerations

<b>Waste from residues/unused products</b>	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

### 14. Transport information

#### LAND TRANSPORT - ANTT

<b>Proper shipping name</b>	PETROLEUM DISTILLATES, N.O.S. (Distillates (petroleum), C6-rich)
<b>UN number</b>	UN1268
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	II
<b>Hazard identification number</b>	33
<b>Environmental hazards</b>	No

#### MARITIME TRANSPORT - IMDG

<b>Proper shipping name</b>	PETROLEUM DISTILLATES, N.O.S. (Distillates (petroleum), C6-rich)
<b>UN Number</b>	UN1268
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	II
<b>Environmental hazards</b>	No
<b>Marine Pollutant</b>	No
<b>Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code:</b>	
<b>Product name</b>	Not applicable

#### AIR TRANSPORT - IATA

<b>Proper shipping name</b>	Petroleum distillates, n.o.s. (Distillates (petroleum), C6-rich)
<b>UN Number</b>	UN1268
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	II
<b>Environmental hazards</b>	No

This information does not intend to convey all specific regulatory or operational requirements/information relating to the product, therefore it cannot be considered exhaustive. Consult ANTT, IMO and ICAO regulations before transporting the product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

### 15. Regulatory information

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### Brazil

See section 8 for national exposure control parameters

##### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable



**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

Contact supplier for inventory compliance status

## 16. Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

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**Revision Note** Initial Release.

**This safety data sheet was created pursuant to the requirements of: ABNT NBR 14725-4:2014, ABNT NBR 14725-2:2009.**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**