

SECTION 1 Identification

1.1. Product identifier

Product form : Substance
 Trade name : GASOIL
 CAS-No. : 64741-82-8
 Formula : Unspecified

1.2. Other means of identification

Synonyms : Distillates (petroleum), light thermal cracked - cracked gas oil / Distillates (petroleum), light thermal cracked; Cracked gasoil / COKER LIGHT GAS OIL
 EC Index No. (Report) : 649-438-00-X
 EC-No. : 265-084-5

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Raw material
 Restrictions on use : No information available

1.4. Supplier's details

Braskem America, Inc.
 1735 Market Street
 Philadelphia, PA 19103-7583
 Tel: (800) 396 - 5251
 productsafety@braskem.com

1.5. Emergency phone number

Emergency number : CHEMTREC: +1 800 424 9300 (NORTH AMERICA)
 CHEMTREC International: +1 1-703-527-3887

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 3
 Acute toxicity (inhalation), Category 4
 Carcinogenicity, Category 1B

Flammable liquid and vapor.
 Harmful if inhaled.
 May cause cancer.

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
 Hazard statements (GHS US) : Flammable liquid and vapor
 Harmful if inhaled
 May cause cancer.

Precautionary statements (GHS US) : Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Keep container tightly closed.
 Ground/Bond container and receiving equipment.
 Use explosion-proof electrical, lighting, ventilating equipment.

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Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing vapors, spray, mist.
Use only outdoors or in a well-ventilated area.
Wear eye protection, protective gloves.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Get medical advice/attention.
Call a poison center or doctor if you feel unwell.
In case of fire: Use carbon dioxide (CO₂), dry extinguishing powder, foam to extinguish.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, national regulation.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Very toxic to aquatic life with long lasting effects.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Name	Product identifier	%	GHS US classification
Distillates (petroleum), light thermal cracked (Main constituent)	CAS-No.: 64741-82-8	100	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Carc. 1B, H350

3.2. Mixtures

Not applicable

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Get medical advice if skin irritation persists.
First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek immediate medical advice.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : May cause cancer.
Symptoms/effects after inhalation : Harmful if inhaled.

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Symptoms/effects after skin contact	: May cause slight irritation to the skin.
Symptoms/effects after eye contact	: May cause slight temporary irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause irritation to the digestive tract.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Note to physician : : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable liquid and vapor. Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.
Explosion hazard	: May form flammable/explosive vapor-air mixture. Flammable vapors can accumulate in head space of closed systems. Prolonged exposure to fire may cause containers to rupture/explode. Do not allow surface water to enter drains and sewers as this will create a potential explosive hazard. If this occurs inform local authorities immediately.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Cool closed containers exposed to fire with water spray. Exercise caution when fighting any chemical fire. Do not attempt to take action without suitable protective equipment. Fight fire from safe distance and protected location. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with spilled material. Evacuate unnecessary personnel. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.
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For non-emergency personnel

Protective equipment	: Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate spillage area. Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. No open flames, no sparks, and no smoking. Avoid breathing mist, spray, vapors. Avoid contact with skin and eyes.

For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Eliminate ignition sources. Stop leak if safe to do so.
Environmental precautions	: Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Stop leak, if possible without risk.
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Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Take precautionary measures against static discharge. Use only non-sparking tools. Notify authorities if product enters sewers or public waters.
Other information	: Dispose in a safe manner in accordance with local/national regulations.

For further information refer to section 13. For disposal of residues refer to section 13 : "Disposal considerations".

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing vapors, spray, mist. Avoid contact with skin and eyes.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety procedures.
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable. Handling this product may result in electrostatic accumulation. Use proper grounding procedures.

7.2. Conditions for safe storage, including incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools. Use explosion-proof electrical, lighting, ventilating equipment. Keep away from sources of ignition - No smoking.
Storage conditions	: Keep away from ignition sources (including static discharges). Keep container tightly closed. Store locked up. Keep in original containers closed. Store in dry, cool, well-ventilated area.
Incompatible materials	: Strong oxidizing agents.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Avoid the formation of mists in the atmosphere. Use only non-sparking tools. All equipment used when handling the product must be grounded. Use explosion-proof equipment.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Impermeable protective gloves. Wear suitable gloves tested to ISO 374-1. It is recommended that the glove supplier be consulted to ensure the protective gloves are resistant to chemicals in this product

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Eye protection:
Chemical goggles or safety glasses. Use eye protection according to ISO 16321-1. Use splash goggles when eye contact due to splashing is possible
Skin and body protection:
Wear suitable protective clothing. Wear protective clothing meeting ISO 13688:2013 standards
Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection. Approved organic vapor respirator. Use respiratory protective devices as per ISO 16975-1:2016 recommendations

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: viscous.
Color	: dark yellow
Odor	: Characteristics
Odor threshold	: No data available
pH	: No data available
Melting point	: 15 °C (1 atm)
Freezing point	: No data available
Boiling point	: 232 °C (1 atm)
Flash point	: 57 °C
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: > 1 (20°C)
Relative density	: No data available
Density	: 0.79 (20°C)
Solubility	: Water: < 0.1 % Insoluble Organic solvent:Soluble (10-99%)
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: 257 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 268 mm ² /s (40°C)
Explosion limits	: No data available
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor. Heavier than air, vapors may travel long distances along ground, ignite and flash back to source.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. No polymerization.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

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10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11 Toxicological information

Likely routes of exposure : Ingestion. Inhalation. Skin and eye contact.

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation) : Harmful if inhaled.

GASOIL (64741-82-8)	
LD50 oral rat	3200 mg/kg (Source: IUCLID)
LD50 dermal rabbit	> 2000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 434 (Acute Dermal Toxicity - Fixed Dose Procedure)
LC50 Inhalation - Rat	4.65 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 3,89 - 5,55

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

Respiratory or skin sensitization : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : May cause cancer.

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

GASOIL (64741-82-8)	
LOAEL (animal/female, F0/P)	1 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F0/P)	≥ 250 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F1)	50 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

GASOIL (64741-82-8)	
NOAEL (dermal,rat/rabbit,90 days)	500 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

GASOIL (64741-82-8)	
Viscosity, kinematic	268 mm ² /s (40°C)

Symptoms/effects : May cause cancer.

Symptoms/effects after inhalation : Harmful if inhaled.

Symptoms/effects after skin contact : May cause slight irritation to the skin.

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Symptoms/effects after eye contact : May cause slight temporary irritation.
Symptoms/effects after ingestion : May be harmful if swallowed. May cause irritation to the digestive tract.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not a OSHA HazCom 2024 hazard endpoint
Hazardous to the aquatic environment, long-term (chronic) : Not a OSHA HazCom 2024 hazard endpoint

12.2. Persistence and degradability

GASOIL (64741-82-8)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects





Ozone : Not a OSHA HazCom 2024 hazard endpoint
Effect on the ozone layer : No additional information available
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapors may accumulate in the container. Do not re-use empty containers. Handle empty containers with care because residual vapors are flammable.
Ecological waste information : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
UN1202	UN1202	1202	1202
14.2. Proper Shipping Name			
Gas oil	GAS OIL	GAS OIL	Gas oil
14.3. Transport hazard class(es)			
3	3	3	3
			
14.4. Packing group			
III	III	III	III

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DOT	TDG	IMDG	IATA
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

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

Product name: Diesel Oil

14.7. Special precautions for user

DOT

- UN-No. (DOT) : UN1202
- DOT Special Provisions (49 CFR 172.102) : 144 - If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter.
B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
- DOT Packaging Exceptions (49 CFR 173.xxx) : 150
- DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
- DOT Packaging Bulk (49 CFR 173.xxx) : 242
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L
- DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

TDG

- UN-No. (TDG) : UN1202
- TDG Special Provisions : 88 - Despite the quantity limits in column 9 of Schedule 1 for these dangerous goods, a road vehicle is not a passenger carrying road vehicle unless the passengers in it are transported for hire or reward, 150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan).
- Explosive Limit and Limited Quantity Index : 30 L
- Excepted quantities (TDG) : E1
- Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 60 L
- Emergency Response Guide (ERG) Number : 128

IMDG

- Special provision (IMDG) : 363

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Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Immiscible with water.
MFAG-No	: 128

IATA

Special provision (IATA)	: A3
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
ERG code (IATA)	: 3L

SECTION 15 Regulatory information

15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Distillates (petroleum), light thermal cracked	64741-82-8	Present	Active	

15.2. International regulations

No additional information available

15.3. State regulations

No additional information available

SECTION 16 Other information

according to US HazCom 2024

Revision date	: 10 November 2025
Issue date	: 9 September 2015
Data sources	: Data arise from reference works and literature.

Safety Data Sheet (SDS), USA - Braskem

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It warns that the handling of any chemical substance requires the previous knowledge of its hazards for the user. It is up to the user of the product company providing this SDS to and promote the training of its employees about possible risks come upon of the product. The information contained herein is not absolute, but only general information on the use of the chemical and indication of safety and security measures.