

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Trade Name: Type Pyrolysis Oil

Article number: N/A

Manufacture/Supplier:

ENCOGENIX SA (PTY) LTD

1001/B MADADENI ROAD, NEWSCASTLE

Fax No: N/A Tel No: 0790938888

Further information obtainable from:

ENCOGENIX SA (PTY) LTD

Information in case of emergency:

1001/B MADADENI ROAD, NEWSCASTLE

Fax No: N/A Tel No: 0790938888

E-mail: newscasings@gmail.com

Section 2 – Composition/Data on component

Chemical characterization

Description: Mixture of the substance listed below with nonhazardous additions.

Chemical Name	CAS No.	EC No.	Weight (%)
Gasoline Fraction	N/A	N/A	30.0
Diesel Fraction	N/A	N/A	30.0
Heavy Oil	N/A	N/A	40.0

Section 3 – Hazards Identification

Hazard description:

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**Information pertaining to particular dangers for man and environment:**

The product has to be labeled due to the calculation procedure of international guideline.

Flammable liquid. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0 - 4)

Health = 1

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 1

Fire = 1

Reactivity = 0

Section 4 – First Aid Measures**General information:**

Immediately remove any clothing soiled by the product.

After inhalation: In case of unconsciousness place patient stably in side position for transportation

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: If symptoms persist consult doctor

Section 5 – Fire Fighting Measures

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water with full jet

Protective equipment: Wear fully protective suit

Section 6 – Accidental Release Measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:



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Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to Section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

Additional information: See Section 7 for information on safe handling.

Section 7 – Handling and Storage

Handling:

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires:

Keep ignition sources away.

Protect against electrostatic charges.

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location. The temperature should be above 0°C.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from flammable substances.

Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Section 8 – Exposure Controls and Personal Protection

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory

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protective device that is independent of circulating air.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Section 9 – Physical and Chemical Properties

General Information

Form: Sticky liquid

Color: Black

Odor: Smelly

Change in condition

Melting point/Melting range: Not applicable

Boiling point/Boiling range: >100°C

Flash point: <60°C

Flammability (solid, gaseous): Flammable

Ignition temperature: Not applicable

Auto igniting: Not applicable

Danger of explosion: Formation of explosive air/vapor mixtures is impossible.

Explosion limits:

Lower: Not applicable

Upper: Not applicable

Oxidizing properties: Not applicable



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Vapor pressure: Not applicable

Density: 0.81 ~ 0.91g/ml

Partition coefficient (n-octanol/water): N/A

Viscosity: 2.46 mm²/s @50°C

Evaporation rate: > 1

Solubility in / Miscibility with

Water: Can not soluble in water

pH-value: Not applicable

Section 10 – Chemical Stability and Reactivity Information

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Materials to be avoided: Strong oxidizing agents, strong acid and strong base

Dangerous reactions: No dangerous reactions known.

Dangerous products of decomposition: CO, CO₂, nitrogen oxides if exposure to high temperature

Section 11 – Toxicological Information

No data

Section 12 – Ecological Information

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): low hazardous for water

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

Section 13 – Disposal Considerations

Product:

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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Section 14 – Transportation Information



DOT regulations:

- Hazard class: 3
- Identification number: 1992
- Packing group: III
- Proper shipping name (technical name): FLAMMABLE LIQUID, TOXIC, N.O.S.
- Label -

Land transport ADR/RID (cross-border):

- ADR/RID class: 3
- UN-Number: 1992
- Packaging group: III
- Label: -
- Description of goods: FLAMMABLE LIQUID, TOXIC, N.O.S.

Section 15 – Regulatory Information

Law information:

<<Technical Instructions for the Safe Transport of Dangerous Goods>>

<<Dangerous Goods Regulation>> (IATA)

<<International Maritime Dangerous Goods>>

OSHA Hazards

TSCA Status

DSL Status

SARA 302/311/312/313

In accordance with all Federal, State and Local laws

Product related hazard information:

- Hazard symbols:





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• **Risk phrases:**

Flammable liquid.

Causes serious eye irritation.

Toxic to aquatic life with long lasting effects.

• **Safety phrases:**

Keep out of the reach of children.

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed and in a well-ventilated place.

Ground/bond container and receiving equipment.

Avoid release to the environment.

Do not get in eyes, on skin, or on clothing.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

If swallowed, seek medical advice immediately and show this container or label.

Section 16 – Other Information

The contents and format of this MSDS/SDS are in accordance with 29 CFR 1910.1200(g)

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