

HOYER GTL

Revision date: 31.08.2022

Product code: 2560-1

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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UFI: 71AS-E29P-FX00-2EV1

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Product Categories [PC]: PC 13 Fuels.

1.3. Details of the supplier of the safety data sheet

Company name:	Hoyer Marine GmbH	
Street:	Palmaille 63	
Place:	D-22767 Hamburg	
Telephone:	+49 (40) 53798470	
e-mail:	sicherheitsdatenblatt@hoyer-energie.de	
Contact person:	Technical Service	Telephone: +49 (4262) 799603
Internet:	www.hoyer-energie.de	

1.4. Emergency telephone number:

+356 25456508

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**

C8-C26 branched and linear hydrocarbons – Distillates

Signal word: Danger**Pictograms:****Hazard statements**

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

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2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
848301-67-7	C8-C26 branched and linear hydrocarbons – Distillates			< 100 %
	481-740-5			
	Asp. Tox. 1; H304 EUH066			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
848301-67-7	481-740-5	C8-C26 branched and linear hydrocarbons – Distillates	< 100 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg		

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection!

Move victim out of danger zone.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If victim is at risk of losing consciousness, position and transport on their side.

In case of irregular breathing or respiratory arrest provide artificial respiration. Where appropriate artificial ventilation. Call a physician immediately.

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. After cleaning apply high-fat content skin care cream.

In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Provide fresh air. Rinse mouth immediately and drink plenty of water.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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Warning after ingestion: Caution if victim vomits: Risk of aspiration! Subsequent observance for pneumonia and lung oedema.

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing powder, Foam, Carbon dioxide (CO₂), Sand, Water fog.

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Vapours can form explosive mixtures with air.

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

In case of fire: Wear self-contained breathing apparatus.

Additional information

Move undamaged containers from immediate hazard area if it can be done safely.

Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove persons to safety. Do not breathe vapour/aerosol. Provide adequate ventilation.

In case of leakage, eliminate all ignition sources. Use non-sparking tools.

Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up**Other information**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Remove from the water surface (e.g. skimming, sucking).

High slip hazard because of leaking or spilled product.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Personal protection equipment: refer to chapter 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Do not breathe vapour/aerosol. Provide adequate ventilation as well as local exhaustion at critical locations.

Avoid contact with skin and eyes. Take off immediately all contaminated clothing. For industrial purposes only.

Advice on protection against fire and explosion

Flammable liquid and vapour.

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

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Vapours are heavier than air and will spread at floor level. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

Advice on general occupational hygiene

Do not eat, drink, smoke or sneeze at the workplace.
Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Take off contaminated clothing and wash it before reuse.
Protect skin by using skin protective cream.
Wash hands before breaks and after work.
After cleaning apply high-fat content skin care cream.
Do not put any product-impregnated cleaning rags into your trouser pockets.
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Further information on handling

Ground and bond container and receiving equipment.
Use non-sparking tools.
Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store in a place accessible by authorized persons only.
Only use containers specifically approved for the substance/product.
Keep container tightly closed in a cool, well-ventilated place.
Always close containers tightly after the removal of product.
Recommended storage temperature: 5 - 30 °C.

Hints on joint storage

Do not store together with: Oxidising agent,
Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against: Heat, Light, Frost, moisture. Protect from direct sunlight.

7.3. Specific end use(s)

Fuels.
Observe technical data sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses. (EN 166)

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN 420, EN ISO 374.
Suitable material: NBR (Nitrile rubber), FKM (fluoro rubber).
Unsuitable material: Textile material.
Required properties: liquid-tight.
penetration time (maximum wearing period): > 480 min.

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Thickness of glove material: 0,4 mm
Before using check leak tightness / impermeability.

Skin protection

Handling larger quantities: Wear suitable protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist generation.
Suitable respiratory protective equipment: A gas filtering equipment (EN 141). AP Combination filter device (DIN EN 141)..

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Test method**Changes in the physical state**

Melting point/freezing point:	No data available.
Boiling point or initial boiling point and boiling range:	approx. 150 - 350 °C
Flash point:	> 60 °C ISO 3680

Explosive properties

In use may form flammable/explosive vapour-air mixture.

Lower explosion limits:	approx. 5,0 vol. %
Upper explosion limits:	approx. 0,5 vol. %
Auto-ignition temperature:	210 °C
pH-Value:	not applicable
Viscosity / kinematic: (at 40 °C)	approx. 2 - 4,5 mm ² /s DIN EN ISO 3104
Vapour pressure: (at 38 °C)	< 10 hPa
Density (at 15 °C):	approx. 0,779 g/cm ³ DIN EN ISO 3675
Relative vapour density:	> 3

9.2. Other information**Information with regard to physical hazard classes**

Oxidizing properties
No data available.

Other safety characteristics**Further Information**

none

SECTION 10: Stability and reactivity**10.1. Reactivity**

Flammable liquid and vapour.
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

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The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

In use may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong acid, Strong alkali, Oxidising agent, strong.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
848301-67-7	C8-C26 branched and linear hydrocarbons – Distillates				
	oral	LD50 > 5000 mg/kg	Rat	ECHA	
	dermal	LD50 > 2000 mg/kg	Rat	ECHA	

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards**Endocrine disrupting properties**

There are no data available on the mixture itself.

SECTION 12: Ecological information**12.1. Toxicity**

There are no data available on the mixture itself.

12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

12.3. Bioaccumulative potential

On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term

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damage to the environment cannot be ruled out.

12.4. Mobility in soil

Physical state at 20 °C and 101.3 kPa: liquid.

If product enters soil, it will be mobile and may contaminate groundwater

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Discharge into the environment must be avoided.

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains.

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Dispose of waste according to applicable legislation.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Consult the local waste disposal expert about waste disposal.

List of Wastes Code - residues/unused products

130703 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); wastes of liquid fuels; other fuels (including mixtures); hazardous waste

List of Wastes Code - used product

130703 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); wastes of liquid fuels; other fuels (including mixtures); hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number: not relevant

14.3. Transport hazard class(es): not relevant

14.4. Packing group: not relevant



according to Regulation (EC) No 1907/2006

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Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)**14.1. UN number or ID number:** not relevant**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**14.3. Transport hazard class(es):** not relevant**14.4. Packing group:** not relevant**Other applicable information (inland waterways transport)**

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)**14.1. UN number or ID number:** not relevant**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.**14.3. Transport hazard class(es):** not relevant**Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number or ID number:** not relevant**14.3. Transport hazard class(es):** not relevant**Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Handling (Transport information): See protective measures under point 7 and 8.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

1 - slightly hazardous to water

Additional information

Restricted to professional users.

The receiver of our product is singularly responsible for adhering to existing laws and regulations. Observe in addition any national regulations!

15.2. Chemical safety assessment

For this mixture a chemical safety assessment has been carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,4,5,9,10,11,12,14,15.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

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Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)