
SAFETY DATA SHEET

1. Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

Product Name: FOT CATALYST

1.2 Relevant identified uses of the substance or mixture and uses advised against
Fuel treatment

1.3 Details of the supplier of the safety data sheet

Company:

Unimarine Services Inc.
60 Market Square,
PO Box 364, Belize City

Contact your nearest Unimarine sales office

Representative office in Greece:

Email: info@unimarine.gr
Tel: +30 210 9957279

1.4 Emergency Telephone Number

Emergency Telephone: Only to be used in case of incident
Tel: 00357 25 662068

2. Hazards identification

2.1 Classification of the substance or mixture

- Counsil Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

2.2 Label elements



Harmful

- Contains:Naphtha (petroleum), hydrodesulfurized heavy

Risk Phrases

- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)

Safety Phrases

- Do not breathe spray/mists (S23)

2. Hazards identification

- Do not breathe vapour/fumes (S23)
- Do not breathe fumes (S23)
- Avoid contact with skin (S24)
- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)

2.3 Other hazards

- Odour: Characteristic odour, Smells of hydrocarbon
- Appearance: Liquid, white, immiscible with water
- Contact with eyes: Causes redness and irritation
- Contact with skin: Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Inhalation: In cases of severe exposure, dizziness, confusion, headache or stupor may develop

3. Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Naphtha (petroleum), hydrodesulfurized heavy	60-100%	64742-82-1	265-185-4	65, 66	Xn

*See Section 16

4. First aid measures

4.1 Description of first aid measures

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Contaminated clothing should be laundered before reuse
- When in doubt or symptoms persist, seek medical attention
-
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Irrigate eyes thoroughly whilst lifting eyelids
- When in doubt or symptoms persist, seek medical attention
-
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention
- Give plenty of water to drink
- Obtain immediate medical attention
-
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- In cases of severe exposure, nausea/vomiting may develop

4. First aid measures

- In cases of severe exposure, headache may develop
- In cases of severe exposure, dizziness may develop
- Possible redness and irritation of affected areas
- The ingestion of significant quantities may cause damage to lungs

4.3 Indication of immediate medical attention and special treatment needed

-

5. Fire-fighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

5.3 Advice for firefighters

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Prevent run off water from entering drains if possible
- Wear Breathing Apparatus

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- None

7. Handling and storage

7.1 Precautions for safe handling

- See Section 8
- Do not get in eyes, on skin, or on clothing.
- Do not breathe vapours excessively
- Eyewash bottles should be available
- Keep away from heat and sources of ignition

7.2 Conditions for safe storage, including any incompatibilities

- Keep away from open flames, hot surfaces and sources of ignition.
- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.

7. Handling and storage

- Keep only in original container.

7.3 Specific end use(s)

8. Exposure controls/personal protection

8.1 Control parameters

- Naphtha (petroleum),hydrodesulfurized heavy
TLV (TWA) 275 mg/m³ (Naphtha (petroleum) hydrodesulfurized heavy)

8.2 Exposure controls

- The undiluted product must not be used in a confined space without good ventilation
- No special ventilation is required unless the product is used in a spray form

Occupational exposure controls

- No respiratory protection is required unless subject to contact with substance mist
- Where an air-purifying respirator is suitable, use EN141 or EN405, type A
- Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)



Gloves



Suit



Goggles



No Smoking

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Smells of hydrocarbon
- Appearance: Liquid, white, immiscible with water
- pH - not applicable
- Boiling point 176 °C to 217 °C at 760 mm /Hg
- Vapour pressure 0,05 kPa @ 25 °C
- Freezing point <-20 °C
- Melting point - not known
- Density 0,81 g/cm³ at 15 deg C
- Flash point >62 deg C (CC)
- Auto-ignition point >200 deg C at 760 mm Hg
- Lower explosive limit 0.6 % (in air) Upper explosive limit 7 % (in air)
- Viscosity 1,54 cST @ 25 deg C

9.2 Other information

- None
-

10. Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10. Stability and reactivity

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Avoid overheating
- Keep away from naked flames, incandescent or hot surfaces

10.5 Incompatible materials

- None

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
-

11. Toxicological information

11.1 Information on toxicological effects

Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Contact with skin

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Causes redness and irritation

Contact with eyes

- Causes redness and irritation

Ingestion

- The ingestion of significant quantities may cause damage to lungs

Carcinogenicity

- No evidence of carcinogenic effects
-

12. Ecological information

12.1 Toxicity

- LC50 96 hours fish 10-100 mg/l (Naphtha)

12.2 Persistence and degradability

- BOD 28 >60%

12.3 Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.

12.4 Mobility in soil

- Insoluble in water
-

12. Ecological information

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
-

13. Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation
- This material and/or its container must be disposed of as hazardous waste

Classification

- EU Waste class: 07.01
-

14. Transport information

14.1 UN Number

-

14.2 UN Proper Shipping Name

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

- Presents little or no hazard to the environment

14.6 Special precautions for user

- Not classified as hazardous for transport

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

15. Regulatory information

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

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

15.2 Chemical Safety Assessment

None

16. Other information

The information contained herein relates only to the specific material identified. Unimarine Services Inc. Believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Unimarine Services Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application