

SAFETY DATA SHEET HZ-2T

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name HZ-2T

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

Identified uses Engine oil.

Uses advised against This product must not be used in applications other than those recommended in Section 1,

without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation

applications.

1.3. Details of the supplier of the safety data sheet

Contact person Customer Services: madeniyag@petrolofisi.com.tr

Manufacturer PETROL OFİSİ A.Ş.

Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ Istanbul

Tel: +90 850 339 1919 Fax: +90 216 275 3854 madeniyag@petrolofisi.com.tr

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Customer Services: 0850 339 1919 (working hours)

National emergency telephone Emergency Medical Services: 112 National Poison Consultance Center: 114

number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains C14-16-18 Alkyl phenol. May produce an allergic reaction.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Lubricating Oils, complex combination of hydrocarbons obtained from solvent extraction and dewaxing.(C15-C50)

95-100%

CAS number: 74869-22-0 EC number: 278-012-2

See Section 8 for occupational exposure limits.

ClassificationNot Classified

Mineral Oil 1-5%

CAS number: 64742-55-8

Classification
Not Classified

The full text for all hazard statements is displayed in Section 16.

Composition comments The DMSO contents of some substances are classified by the manufacturer as <3%

according to IP 346.

Ingredient notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Treat symptomatically.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Move affected person to fresh air at once. Remove affected person from source of contamination. Maintain an open airway. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist. Consult a physician for

specific advice.

Ingestion Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Place unconscious person on their side in the recovery position and ensure breathing can take place. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are

severe or persist.

Skin contact Brush off loose particles from skin. Rinse immediately contaminated clothing and skin with

plenty of water before removing clothes. Wash skin thoroughly with soap and water. Following contact with hot product, immediately immerse affected area in, or flush with, large amounts of cold water to dissipate heat and cover with clean cotton sheeting or gauze. Get medical attention if irritation persists after washing. Effects may be delayed. Show this Safety Data

Sheet to the medical personnel. Get medical attention if any discomfort continues.

Eye contact Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at

least 15 minutes and get medical attention. Do not rub eye. Consult a physician for specific

advice. Show this Safety Data Sheet to the medical personnel.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General informationNo specific symptoms known.InhalationNo specific symptoms known.IngestionNo specific symptoms known.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact No specific symptoms known.

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

Notes for the doctor No specific symptoms known. Contains . May produce an allergic reaction.

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Protection against nuisance dust must be used when the airborne concentration exceeds 10

mg/m3. Oxides of carbon. Oxides of nitrogen.

Hazardous combustion

products

Carbon dioxide (CO2). Carbon monoxide (CO). A complex mixture of airborne solids, liquids

and gases can be released.

5.3. Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. Use water to keep fire exposed containers cool and disperse

vapours.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing. Use air-supplied respirator, gloves and protective goggles.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots,

clothing or apron, as appropriate. No action shall be taken without appropriate training or involving any personal risk. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Avoid inhalation of dust

and contact with skin and eyes.

For non-emergency personnel Necessary precautions should be taken to ensure that non-educated personnel do not

intervene.

For emergency responders Wear protective clothing as shown in section 8 of this safety data sheet. Notification: In case

of spillage, notify the local authorities as appropriate or as necessary. Stop the leakage source if it can be done without risk.Limit spillage to prevent further contamination of soil, surface or ground water.Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection.Use suitable techniques such as non-flammable absorbent materials or pumping.When possible or appropriate, remove the contaminated soil from the area.Place contaminated products in disposable boxes and dispose of in accordance with regulations.If a heated material is spilled, allow it to cool

before handling with disposal methods.

6.2. Environmental precautions

Environmental precautions Contain spillage with sand, earth or other suitable non-combustible material. Inform the

relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water sources, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may be pose the same hazard as the spilled product.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 1 for emergency contact information. For waste disposal, see Section 13. See Section 7 for more information on safe handling. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Take precautionary measures against static discharges. Wear protective clothing as

described in Section 8 of this safety data sheet.

Advice on general occupational hygiene

Good personal hygiene procedures should be implemented. Avoid breathing vapors / mist. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store

away from incompatible materials (see Section 10). Bund storage facilities to prevent soil and water pollution in the event of spillage. Keep only in the original container. Protect from

freezing and direct sunlight.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description The product must be used as specified in the data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Lubricating Oils, complex combination of hydrocarbons obtained from solvent extraction and dewaxing.(C15-C50)

None of the components has assigned exposure limits.

Mineral Oil

Mineral oil - Inhalable fraction:TWA:5 mg/m3,US. ACGIH Threshold Limit Values (03 2014)

Ingredient comments No other information known.

Biological limit values No other information known.

DNEL No other information known.

DMEL No other information known.

PNEC No other information known.

Lubricating Oils, complex combination of hydrocarbons obtained from solvent extraction and dewaxing.(C15-C50) (CAS: 74869-22-0)

Ingredient comments There is no approximate limit value for this product. Steam, fog or smoke should be

controlled to the lowest possible level.

Biological limit values

No information available.

No information available.

DMEL

No information available.

PNEC No information available.

8.2. Exposure controls

Protective equipment













Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Personal protection

The following recommendations are made based on information available for the major chemical component.

Eye/face protection

Wear chemical splash goggles. Wear face protection.

Hand protection

Wear protective gloves. Frequent changes are recommended.

Other skin and body

protection

Avoid contact with skin. Wear apron or protective clothing in case of contact.

Hygiene measures

Good personal hygiene procedures should be implemented. Wash contaminated skin thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. Where airfiltering respirators are suitable, select an appropriate combination of mask and filter. All respiratory protection equipment and use must be in accordance with local regulations.

Thermal hazards

If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Reddish.

Odour Odorless or slightly petroleum oil

Odour threshold No specific test data are available.

pH Scientifically unjustified.

Melting point No specific test data are available.

Initial boiling point and range No specific test data are available.

Flash point ~ 220°C Cleveland open cup.

Evaporation rate No specific test data are available.

Evaporation factor No specific test data are available.

Flammability (solid, gas) No specific test data are available.

Upper/lower flammability or

explosive limits

No specific test data are available.

Other flammability No specific test data are available.

Vapour pressure No specific test data are available.

Vapour density No specific test data are available.

Relative density No specific test data are available.

Bulk density ~ 0,86610 g/ml

Solubility(ies) Insoluble in water.

Partition coefficient No specific test data are available.

Auto-ignition temperature No specific test data are available.

Decomposition Temperature No specific test data are available.

Viscosity 23,5 cSt @ 40°C

Explosive properties No specific test data are available.

Explosive under the influence

of a flame

No information available.

Oxidising properties Not known.

Comments No other information known.

9.2. Other information

Other information No information required.

Refractive index No specific test data are available.

Particle size No specific test data are available.

Molecular weight No specific test data are available.

Volatility No specific test data are available.

Saturation concentration No specific test data are available.

Critical temperature No specific test data are available.

Volatile organic compound No specific test data are available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity It can react with strong oxidizing chemicals such as strong acids or chlorate, nitrate, peroxide,

etc.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Keep away from heat, sparks and open flame.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. Inorganic halides.

10.6. Hazardous decomposition products

Hazardous decomposition

products

In the event of incomplete combustion, smoke, carbon dioxide and carbon monoxide are

formed. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Based on available data the classification criteria are not met.

Other health effects Based on available data the classification criteria are not met.

Acute toxicity - oral

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

Notes (oral LD∞) Based on available data the classification criteria are not met.

Acute toxicity - dermal

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

Notes (dermal LD₅₀) May produce an allergic reaction.

Acute toxicity - inhalation

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

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

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

Skin corrosion/irritation Based on available data the classification criteria are not met.

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

Human skin model testBased on available data the classification criteria are not met.

Extreme pH Based on available data the classification criteria are not met.

Serious eye damage/irritation

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

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

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

Respiratory sensitisationBased on available data the classification criteria are not met.

Skin sensitisation

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

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

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

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Genotoxicity - in vivoBased on available data the classification criteria are not met.

Carcinogenicity

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

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

Target organ for carcinogenicity

No specific target organs known.

IARC carcinogenicity Not listed.

NTP carcinogenicity Not listed.

Reproductive toxicity

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

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity -

development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

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

STOT - single exposure Based on available data the classification criteria are not met.

Target organs No specific target organs known.

Specific target organ toxicity - repeated exposure

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

STOT - repeated exposure Based on available data the classification criteria are not met.

Target organs No specific target organs known.

Aspiration hazard

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

Aspiration hazard Based on available data the classification criteria are not met.

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

General information No other information known.

Inhalation No other information known.

No other information known. Ingestion

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact Based on available data the classification criteria are not met.

Acute and chronic health

hazards

No other information known.

Route of exposure No other information known. **Target organs** No other information known. Medical symptoms No other information known.

Medical considerations No other information known.

SECTION 12: Ecological information

12.1. Toxicity

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

Acute aquatic toxicity

Summary No other information known. Acute toxicity - fish No other information known. Acute toxicity - aquatic No other information known.

invertebrates

Acute toxicity - aquatic plants No other information known. Acute toxicity -No other information known.

microorganisms

Acute toxicity - terrestrial No other information known.

Chronic aquatic toxicity

Summary No other information known.

Chronic toxicity - fish early life

stage

No other information known.

Short term toxicity - embryo

and sac fry stages

No other information known.

Chronic toxicity - aquatic

invertebrates

No other information known.

Toxicity to soil No other information known.

Toxicity to terrestrial plants No other information known.

12.2. Persistence and degradability

Persistence and degradability No other information known.

Phototransformation No other information known.

Stability (hydrolysis) No other information known.

Biodegradation No other information known.

Biological oxygen demand No other information known.

Chemical oxygen demand No other information known.

12.3. Bioaccumulative potential

Bioaccumulative potential No other information known.

Partition coefficient No specific test data are available.

12.4. Mobility in soil

Mobility No other information known.

Adsorption/desorption

coefficient

No other information known.

Henry's law constant

No other information known.

Surface tension

No other information known.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

No data available.

12.6. Other adverse effects

Other adverse effects No other information known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Waste, residues,

empty containers, discarded work clothes and contaminated cleaning materials should be

collected in designated containers, labelled with their contents.

Disposal methodsCollect and place in suitable waste disposal containers and seal securely. Dispose of waste to

licensed waste disposal site in accordance with the requirements of the local Waste Disposal

Authority.

Waste class

The waste code classification is to be carried out according to the European Waste Catalogue

(EWC).

SECTION 14: Transport information

General Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not relevant.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations

T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures

No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization.

According to Regulation (EC) No 1907/2006, Annex II, as amended.

Guidance Safety Data Sheets for Substances and Preparations.

Health and environmental

listings

Hazardous ingredients are listed.

15.2. Chemical safety assessment

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

DMSO: Dimethyl sulfoxide T.C.: Republic of Turkey

TWA: Workplace exposure limits

UZEM: National Poison Information Center

ATE: Acute Toxicity Estimate.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.

LC₅o: Lethal Concentration to 50 % of a test population. PBT: Persistent, Bioaccumulative and Toxic substance.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation

(EC) No 1907/2006.

vPvB: Very Persistent and Very Bioaccumulative.

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978.

BCF: Bioconcentration Factor.

BOD: Biochemical Oxygen Demand.

EC₅₀: 50% of maximal Effective Concentration. NOEC: No Observed Effect Concentration. DMEL: Derived Minimal Effect Level.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Asp. Tox. = Aspiration hazard

STOT SE = Specific target organ toxicity-single exposure

STOT RE = Specific target organ toxicity-repeated exposure Skin Corr. = Skin corrosion Skin Sens. = Skin sensitisation

Skin Irrit. = Skin irritation

Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation

Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

General information

Only trained personnel should use this material. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. MSDS Distribution: The information in this document should be made available to all who may handle the product. Uses and Restrictions: This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. Disclaimer: 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.

Key literature references and sources for data

This SDS is prepared based on the information received from raw material suppliers.

Classification procedures according to Regulation (EC) 1272/2008

EUH208: Calculation method., Supplier information

Training advice Untrained personnel should not use.

Issued by Ece Korkut Safety and Data Sheet Specialist (Certificate No: GBF01.54.04 26.06.2024)

Revision 0

Supersedes date 28/12/2021

SDS number 20824

Hazard statements in full EUH208 Contains C14-16-18 Alkyl phenol. May produce an allergic reaction.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.