

Dated December 13, 2014 and numbered 29204, "Ministry of Environment and Urbanization Regarding Hazardous Substances and Mixtures It has been arranged in accordance with the provisions of the "Regulation on Safety Data Sheets".

SECTION 1: Identity of the substance / mixture and company / distributor

1.1. Substance / Mixture identity

Name of the product MOLD OIL M 22

Item number 29194

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

Industrial oil

Uses not recommended Use only for the intended purpose.

1.3. Information of the safety data sheet supplier

Supplier PETROL OFISI 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 miningiyag@petrolofisi.com.tr

Contact person Customer Service: mineiyag@petrolofisi.com.tr

1.4. Emergency phone number

Emergency phone number Mineral Oil Customer Service: 0850 339 1919 (office hours)

National emergency phone National Poison Information Center (UZEM): 114 Emergency Health Services: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification TC 28848

Physical damages Not classified as harmful

Health hazards Kans. 1B- H350

Environmental damages Not classified as harmful

2.2. Label elements

Hazard sign



Warning word Danger

Hazard Statements H350 May cause cancer.

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Precautionary statements P201 Obtain special instructions before use.

P202 Do not handle before all precautionary statements have been read and understood.

P280 Wear protective gloves / protective clothing / eye protection / face protection. P308 + P313 IF

exposed or concerned: Get medical advice / attention. P405 Store locked up.

P501 Dispose of contents / container in accordance with national regulations.

Contents Extracts (petroleum), light paraffinic distillate solvent (C20-C30)

2.3. Other damages

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrogen treated heavy paraffinic

80-95%

CAS number: 64742-54-7

EC number: 265-157-1

REACH registration number:

012119484627-25-0033

Classification

Not classified as harmful

Extracts (petroleum), light paraffinic distillate solvent (C20-C30)

10-20%

CAS number: 64742-04-7

EC number: 265-103-7

Classification
Kans. 1B- H350
Aquatic Chronic 3 - H412

The full text of the hazard statements is given in Section 16.

Reviews on the composition DMSO contents of some substances are classified by the manufacturer as <3% according to IP 346.

Content notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures General

information If in doubt, seek medical advice immediately.

Bring the exposed person to fresh air and keep them warm and at rest in a position where they can breathe

comfortably. Place the unconscious person on his side in the first aid position and allow breathing to take place.

Loosen tight parts of clothing such as a collar, tie or belt. If in doubt, seek medical advice immediately.

Swallowing Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by

healthcare personnel. If in doubt, seek medical advice immediately.

Skin contact Clean the remaining parts of the skin. Wash skin thoroughly with soap and water. If symptoms are severe or persistent, seek medical attention.

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Eye contact Remove contact lenses, if present and easy to do. Rinse constantly. Do not rub your eyes. Seek medical help.

First aid workers First aid personnel should wear appropriate protective equipment during rescue.

preservation

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

information There are no specific symptoms known.

Breathing There are no specific symptoms known.

Swallowing There are no specific symptoms known.

Skin contact There are no specific symptoms known.

Eye contact There are no specific symptoms known.

4.3. Indication of any medical attention and special treatment needed Information to be

given to the doctor Treat symptomatically.

Special treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Fire extinguishers

Suitable extinguishing agents Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguisher

Do not use water jet to extinguish the fire, in case it spreads the fire.

substances

$\underline{\text{5.2. Special hazards arising from the substance or mixture Special hazards}}$

Not known.

Harmful combustion products Toxic gases are formed as a result of burning. It can burn at high temperatures. A complex mixture of airborne

solids, liquids and gases can be released. Carbon monoxide (CO). Sulfur oxides. Nitrogenous gases (NOx). Carbon

dioxide (CO2). Unidentified organic or inorganic compounds.

5.3. Advice for firefighters

During fire fighting

No action should be taken without proper training or any personal hazard.

preservative to be taken measures

For firefighters Positive pressure self-contained breathing apparatus and suitable protective clothing

special protective equipment get dressed. Wear special protective clothing.

SECTION 6: Accidental release measures

${\bf 6.1.\ Personal\ precautions,\ protective\ equipment\ and\ emergency\ procedures\ Personal\ precautions}$

Wear protective clothing as shown in Section 8 of this Safety Data Sheet.

Emergency personnel Necessary precautions should be taken so that personnel who do not have proper training do not interfere

for those who are not

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For emergency responders

Stop the source of the leak if it can be done without risk. Limit the spill to prevent further contamination of the soil, surface or underground water. Clean up the spilled material as soon as possible, following the precautions in the Exposure Controls / Personal Protection section. Use non-flammable absorbent materials or appropriate techniques such as pumping. Whenever possible or see fit, dig out the contaminated soil from the area. Place contaminated items in disposable containers and dispose of in accordance with regulations. In the event of a spill of heated substance, allow it to cool before handling by disposal methods.

6.2. Environmental measures

Environmental measures

The product contains a substance that is toxic to aquatic organisms and can cause long-term adverse effects in the aquatic environment. Apply appropriate protective measures to prevent spilled material from entering water sources, watercourses, drains, soil. The environmental authority must be notified for all significant spills. If the product has caused environmental pollution, inform the relevant authorities.

6.3. Methods and materials for containment and cleaning

Spill removal methods For small spills: Stop leak if not at risk. Leak sources

take away. Absorb with inert dry material and place in a suitable waste disposal container. Dispose through a licensed waste disposal contractor. Large spills: Stop leak if not at risk. Remove sources of leak from area. Approach with the wind behind you. Prevent from entering drains, water sources, basements or confined areas. Wash the spillage in a waste water treatment plant or proceed as follows. Collect spills with non-flammable, absorbent material and store in packaging according to legal regulations. Dispose of via a licensed waste disposer. Contaminated absorbent material may present hazard similar to spilled product.

6.4. Reference to other sections

Reference to other sections

For personal protection see section 8. For waste disposal, see Section 13. See Section 1 for emergency contact information. 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

Do not handle before all precautionary statements have been read and understood. Avoid exposure, obtain special instructions before use. Wear protective clothing as shown in Section 8 of this Safety Data Sheet. Avoid breathing its gas, fumes, vapors or spray. Protect from freezing and direct sunlight. Avoid release to the environment.

Advice on general occupational

hygiene

Do not eat, drink or smoke anything while using this product. Good personal hygiene procedures should be followed. Wash contaminated skin thoroughly after handling. Take off immediately all contaminated clothing and wash before reuse.

$\underline{\textbf{7.2. Conditions for safe storage, including any incompatibilities Storage}}$

measures

Store in accordance with national regulations. Protect from freezing and direct sunlight.

Storage class

Chemical storage

7.3. Specific end use (s)

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Specific end use (s)

The identified uses for this product are detailed in Section 1.2. It should be used as specified in the

Directions for use product data sheet.

SECTION 8: Exposure Controls / personal protection

8.1. Control parameters

Occupational exposure limits

Distillates (petroleum), hydrogen treated heavy paraffinic

Oil mist: TWA: 5 mg / m3 (ACGIH). In no case should this limit be exceeded or, if more restrictive, the local limit used.

Extracts (petroleum), light paraffinic distillate solvent (C20-C30)

ACGIH

TLV / TWA

5 mg / m3

TLV / STEL

10 mg / m3

Content notes No other information is available.

Biological limit values No other information is available.

DNEL No other information is available.

DMEL No other information is available.

PNEC No other information is available.

8.2. Exposure controls Protective

equipment













Personal protection

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. The effectiveness of personal protective equipment, inter alia, temperature and

It depends on the degree of ventilation. Depending on the specific situation in question, always seek professional support. Keep away from foodstuffs, food and drink. Instantly remove contaminated and impregnated clothing. Wash hands during breaks and after work. Store protective equipment separately.

Eye / Face protection Wear chemical splash goggles or a face shield that covers your face tightly.

Other skin and body protection Health clothing in case of contact.

measures Good personal hygiene procedures should be followed.

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Respiratory system Respiratory protection should be worn if the amount of pollution in the air exceeds the recommended occupational exposure

preservation limits

Thermal damages If there is danger of contact with hot product, all protective equipment suitable for use with high temperatures should be

used.

Environmental exposure Compliance of ventilation emissions and work process equipment with environmental protection legislation

controls requirements should be checked. Store in a confined area surrounded by a bund to prevent leakage into

drains and / or water sources.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties Appearance

Viscous liquid.

Color Brown.

Smell Characteristic.

Odor threshold Insufficient data.

pH Scientifically unjustified.

Melting point / freezing point - 9 $^{\circ}$ C

Initial boiling point and Insufficient data.

boiling range

Flash point ~ 248 ° C Cleveland open cup. Lack

Evaporation rate of data.

Evaporation factor Lack of data.

Flammability (solid, gas) Insufficient data.

Upper / Lower flammability or

Insufficient data.

explosive limits

Other flammability Insufficient data.

Vapor pressure Insufficient data.

Vapor density Insufficient data

Relative density Insufficient data

Volumetric density ~ 0.898 g / ml

Resolution (s) It is insoluble in water.

Partition coefficient Insufficient data.

Self ignition Insufficient data

temperature

Decomposition temperature Insufficient data

Viscosity Insufficient data

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It has been arranged in accordance with the provisions of the "Regulation on Safety Data Sheets".

Explosive properties Insufficient data.

Explosive under the influence

of flame

Insufficient data.

Oxidizing properties Insufficient data

Descriptions No other information is available.

9.2. Other informations

Other informations No other information is available.

Refractive index No other information is available.

Particle size No other information is available.

Molecular weight No other information is available.

Volatility No other information is available.

Saturation concentration No other information is available.

Critical temperature No other information is available.

Volatile organic compound No other information is available.

SECTION 10: Stability and reactivity

10.1. Reaction

Reaction The product is stable under normal conditions

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 Hazardous reaction will not occur under normal conditions of storage and use.

10.4. Conditions to avoid

Conditions to avoid High temperature, sparks and open flames. Exposed to high heat or direct sunlight avoid quitting. Static electricity and sparks must be prevented.

10.5. Incompatible materials Materials to avoid Strong oxidizing agents. Perchloric acid Aluminum. Chlorates. Nitrates. Peroxides.

10.6. Hazardous decomposition products

Hazardous decomposition products Hydrocarbons. Sulfur oxides Carbon oxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects Toxic

effects No other information is available.

Other health effects No other information is available.

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Acute toxicity - oral Summary

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

Notes (oral LD50) available data, the classification criteria are not met.

Acute toxicity - dermal Summary

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

Notes (dermal LD50) available data, the classification criteria are not met.

Acute toxicity - inhalation

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

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

Skin corrosion / irritation

Summary Based on available data, the classification criteria are not met. No other

Skin corrosion / irritation information is available.

Animal data No other information is available.

Human skin model test Extreme No other information is available.

No other information is available.

Serious eye damage / irritation

Based on available data, the classification criteria are not met. No other Summary

Serious eye damage / irritation information is available.

Respiratory sensitization

Based on available data, the classification criteria are not met. No other Summary

Respiratory tracts information is available.

sensitization

Skin sensitization

Summary Based on available data, the classification criteria are not met. No other

Skin sensitization information is available.

Germ cell mutagenicity

Based on available data, the classification criteria are not met. No other Summary

Genotoxicity - in vitro information is available.

Genotoxicity - in vivo No other information is available.

Carcinogenicity

Carcinogenicity Summary

Carcinogenicity It can cause cancer. Supplier information. No other

Target for carcinogenicity

information is available.

organs

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It has been arranged in accordance with the provisions of the "Regulation on Safety Data Sheets".

IARC carcinogenicity Not listed.

NTP carcinogenicity Not listed.

Reproductive toxicity

Summary Based on available data, the classification criteria are not met. No other

Reproductive system toxicity information is available.

fertility

Reproductive system toxicity

No other information is available.

developmental

Specific target organ toxicity - single exposure Summary

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

BHOT- single exposure No other information is available.

Target organs No other information is available.

Specific target organ toxicity - repeated exposure Summary

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

BHOT- repeated exposure No other information is available.

Target organs No other information is available.

Aspiration hazard

Summary Based on available data, the classification criteria are not met. No other

Aspiration hazard information is available.

Toxicokinetics No other information is available.

General information No other information is available.

Breathing No other information is available.

Swallowing No other information is available.

Contact with skin No other information is available.

Eye contact No other information is available.

Acute and chronic health hazards No other information is available.

Contact ways No other information is available.

 Target organs
 No other information is available.

Medical symptoms No other information is available.

Medical opinions No other information is available.

Toxicological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic

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Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀> 2000 mg / kg, Oral,

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀> 2000 mg / kg, Dermal,

Carcinogenicity

Summary The base oils in the product contain less than 3% DMSO according to IP 346.

SECTION 12: Ecological information

Ecotoxicity The product contains a substance that is toxic to aquatic organisms and can cause long-term adverse effects in the aquatic

environment

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic

Ecotoxicity May cause harm to aquatic organisms. Spillages create a film layer on the water surface and

prevent oxygen transfer.

12.1. Toxicity

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

Acute aquatic toxicity

Summary Based on available data, the classification criteria are not met. No other

Acute toxicity - fish information is available.

Acute toxicity - aquatic No other information is available.

invertebrates

Acute toxicity - aquatic plants

No other information is available.

Acute toxicity No other information is available.

microorganisms

Acute toxicity - terrestrial No other information is available.

organisms

Chronic aquatic toxicity

Summary Based on available data, the classification criteria are not met. No other

Chronic toxicity- in fish information is available.

early life stage

Short term toxicity - embryo No other information is available.

and early larval stages

Chronic toxicity- aquatic No other information is available.

invertebrates

Ecological information on ingredients

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| Toxicity to soil | No other information is available. |
|--|---|
| Toxicity to terrestrial plants | No other information is available. |
| 12.2. Persistence and degradability | |
| Persistence and degradability | No other information is available. |
| Phototransformation | No other information is available. |
| Stability (hydrolysis) | No other information is available. |
| Biodegradation | No other information is available. |
| Biological oxygen demand | No other information is available. |
| Chemical oxygen demand | No other information is available. |
| Ecological information on ingredients | _ |
| Distillates (petroleum), hydrogen treated heavy paraffinic | |
| Biodegradation | Not expected to be readily biodegradable. |
| | Tot oxposted to be readily blodegradable. |
| 12.3. Bioaccumulative potential | There is no appoints toot data qualible |
| Bioaccumulative potential | There is no specific test data available. |
| Partition coefficient | Insufficient data. |
| Ecological information on ingredients | _ |
| Distillates (petroleum), hydrogen treated heavy paraffinic | |
| Bioaccumulative potential | Potentially bioaccumulating. |
| 12.4. Mobility in soil | |
| Mobility | No other information is available. |
| Adsorption / desorption | No other information is available. |
| coefficient | |
| Henry's law constant | No other information is available. |
| Surface tension | No other information is available. |
| Ecological information on ingredients | _ |
| | Distillates (petroleum), hydrogen treated heavy paraffinic |
| Mobility | It is liquid in most environmental conditions. It floats on water. Groundwater may become contaminated if it spreads to the soil. |
| 12.5. Results of PBT and vPvB assessment | |
| | |
| PBT and vPvB results of the assessment | No other information is available. |

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PBT and vPvB of evaluation results Not applicable.

12.6. Other adverse effects Other

adverse effects No other information is available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods General

nformation Waste generation should be minimized or avoided wherever possible.

Waste treatment methods Reuse or recycle products wherever possible. Wastes, residues, empty containers, discarded work clothes and

contaminated cleaning materials should be collected in designated appropriate containers and labeled according to their contents. Collect waste and place it in suitable waste disposal containers and seal tightly. Store only in properly labeled containers. Dispose of waste in a licensed waste disposal facility in accordance with the requirements of the

local Waste Disposal Authorities.

Waste class Waste code classification should be carried out according to the European Waste Catalog (EWC).

SECTION 14: Transport information

General It was not edited.

Road shipment notes Not classified.

Railway shipment notes Not classified.

Sea shipment notes Air Not classified.

shipment notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class (es)

It was not edited.

14.4. Packing group

Not applicable.

14.5. Environmental damages

Environmentally harmful / marine pollutant

Not applicable.

14.6. Special precautions for user

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Not applicable.

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

MARPOL 73/78 Annex II and IBC

Not applicable.

pouring by code

transportation

SECTION 15: Regulatory information

 $\underline{\textbf{15.1. Safety, health and environmental legislation specific for the substance or mixture}\\$

National regulations Republic of Turkey Ministry of Environment and Urbanization, Regulation on Classification, Labeling and

Packaging of Substances and Mixtures, dated December 11, 2013, No.

TC Ministry of Environment and Urbanization Regulation on Safety Data Sheets Regarding Hazardous Substances and

Mixtures

Republic of Turkey Ministry of Environment and Urbanization Safe Storage Guide

Republic of Turkey Ministry of Labor and Social Security, Regulation on the Use of Personal Protective Equipment at

Workplaces, dated 2 July 2013 and numbered 28695

EU legislation https://echa.europa.eu

SECTION 16: Other information

used abbreviations and

In the safety data sheet EU: European Union DMSO:

Dimethyl sulfoxide

acronyms

PPE: Personal protective equipment STEL:

Short term exposure limit TC: Republic of Turkey

TWA: Workplace exposure limits UZEM: National

Poison Information Center

ADR: European Agreement on the International Carriage of Dangerous Goods by Road. CAS: Chemical

Abstracts Service.

GHS: Global Harmonized System.

IATA: International Air Transport Association. PBT: Persistent,

Bioaccumulative and Toxic substance.

REACH: EU Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorization and Restriction of

Chemicals.

vPvB: Very Persistent, Very Bioaccumulative.

MARPOL 73/78: International Convention for the Prevention of Pollution from Ships, 1973, as amended by the 1978

Protocol.

IARC: International Agency for Research on Cancer.

Abbreviations and acronyms Kans. = Carcinogenicity

Aquatic Chronic = Harmful to the aquatic environment (chronic)

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General information

Only trained personnel should use this material. This document contains important information for the safe storage, transport and use of this product. The information in this document should be brought to the attention of the person responsible for security issues in your organization. Material Safety Data Sheet Distribution: The information in this document should be made available to all persons who can handle this product. Uses and Restrictions: This product should not be used outside of the applications recommended in Section 1 without the prior recommendation of the supplier. This product is not used as a solvent or cleaning agent to set fire or to make it brighter and to clean the skin. Disclaimer: This information is based on our current knowledge and the product is described for the purpose of health, safety and environmental requirements only.

Main literature references and sources of

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

information

Dated December 11, 2013 and 28848 Kans, 1B- H350; Calculation method., Supplier information

According to the regulation numbered

classification conditions

Education advice Untrained personnel should not be used.

Revision comments by This is the first arrangement.

Sevda ŞAHAN Certified Safety Data Sheet Maker (Certificate No: GBF01.23.08; Date:

03.11.2018-03.11.2021)

How many regulations 0

Preparation date 01.10.2019

SDS No 20613

All of the hazard statements H350 May cause cancer.

H350 May cause cancer if swallowed. H412 Harmful to

aquatic life with long lasting effects.

This information relates only to a specific specific substance and should not be used in a composition or any process where the same substance is used in combination with other substances. This information is accurate and reliable as of the date specified, within the firm's high level of knowledge and opinion. However, no warranty or representation can be made for its accuracy, reliability and completeness. It is the user's own responsibility to be satisfied that this information is suitable for his own use.