

A 200 - Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
 Issue date: 11/29/2018 Revision date: 12/6/2023 Supersedes: 11/29/2018 Version: 2.0

SECTION 1: Identification

1.1. Identification

| | |
|-------------------------------|--|
| Product form | : Substance |
| Trade name | : A 200 - Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified |
| Chemical name | : Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] |
| CAS-No. | : 64742-54-7 |
| Product code | : A 200 |
| Other means of identification | : Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] |

1.2. Recommended use and restrictions on use

| | |
|------------------------------|---|
| Use of the substance/mixture | : Oil for vacuum pumps Reserved for professional users |
|------------------------------|---|

1.3. Supplier

Pfeiffer Vacuum SAS
 98, avenue de Brogny - BP 2069
 Annecy Cedex, 74009
 FRANCE
 T +(33) 04 50 65 77 77
support.service@pfeiffer-vacuum.com

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|--|---|------------------|---------|
| USA | American Association of Poison Control Centers | 515 King Street, Suite 510 VA 22314 Alexandria | 1-800-222-1222 | |

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labelling

No labelling applicable

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2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Inhalation may cause chemically-induced pneumopathy. In the event of contact with the eyes: irritation, in particular in the event of prolonged contact. Prolonged or repeated contact with the skin may cause dermatitis. The oil used may contain harmful impurities. Not categorised as flammable but is combustible.

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

| Name | Product identifier | % | GHS US classification |
|---|---------------------|-----|-----------------------|
| A 200 - Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified (Main constituent) | CAS-No.: 64742-54-7 | 100 | Not classified |

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

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.
First-aid measures after inhalation : In case of dizziness or nausea, expose the person to fresh air. If symptoms persist, seek medical attention or admit the person to hospital.
First-aid measures after skin contact : Remove contaminated clothing. Wash with water and soap. Should skin come into contact with high-pressure spray, there is a risk of entry into the body. The injured person should be taken to hospital even if there is no apparent wound.
First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Consult an ophthalmologist if irritation, redness, pain or persistent visual discomfort.
First-aid measures after ingestion : If the person is conscious, rinse mouth with water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If inhalation is suspected (occurrence of vomiting, for example), transfer immediately to hospital.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Prolonged or repeated contact with the skin may cause dermatitis.
Symptoms/effects after eye contact : In the event of contact with the eyes: irritation, in particular in the event of prolonged contact.
Symptoms/effects after ingestion : Aspiration of this material may cause chemical pneumonia.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Sprayed water with additive, chemical powder, chemical foam, carbon dioxide extinguisher.

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Unsuitable extinguishing media : Solid water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.
Reactivity in case of fire : Combustion probably produces a complex mixture of solid and liquid particles suspended in the air and gases including: metal oxides, nitrogen oxides (NO_x), phosphorous oxides, carbon monoxide, carbon dioxide, unburned hydrocarbons (smoke), hydrogen sulphide and unidentified organic and inorganic compounds. Inhalation is highly dangerous.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂). Nitrogen oxides. Phosphorus oxides. Hydrocarbons.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire : Do not enter the danger zone without suitable chemical protection clothing and self-contained breathing apparatus.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
Other information : Packaging exposed to heat or open flames should be cooled with a fine water spray. Prevent fire-fighting water from entering drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate area. Ensure adequate ventilation. Avoid contact with eyes and skin. Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

6.2. Environmental precautions

Avoid discharge or leakage into drains, trenches or rivers by using sand, soil or other appropriate barrier. In the event of spreading, alert the competent authorities if the situation cannot be quickly and efficiently managed.

6.3. Methods and material for containment and cleaning up

For containment : Limited spillage: Absorb the liquid with sand or soil. Gather up and place in an appropriate container, clearly marked, for disposal in accordance with regulations.
Major spillage: Prevent any spreading by using a barrier of sand, soil or other material to contain the product. Gather up the product directly or with absorbent material. Dispose of as for limited spillage. Do not discharge the recovered product as is into the Environment.
Methods for cleaning up : Wash soiled surfaces taking care not to contaminate the natural environment.

6.4. Reference to other sections

Concerning personal protective equipment to use, see item 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe vapour. Avoid contact with skin and eyes.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Keep away from heat. Protect from moisture.
Incompatible materials : Strong oxidizing agents. Strong acids. Strong bases.
Storage area : Store away from heat. Store in a well-ventilated place.
Special rules on packaging : Only use hydrocarbon-resistant containers, seals, pipes, etc.
Packaging materials : Keep in original containers closed. Empty packaging may contain flammable or explosive vapours.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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USA - ACGIH - Occupational Exposure Limits

| | |
|----------------------|---------------------|
| Local name | Oil mist (Mineral) |
| ACGIH OEL TWA | 5 mg/m ³ |
| Regulatory reference | ACGIH |

USA - OSHA - Occupational Exposure Limits

| | |
|--------------------------------|--------------------------|
| Local name | Oil mist, mineral |
| OSHA PEL TWA [1] | 5 mg/m ³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Use only in well-ventilated areas.
Environmental exposure controls : Avoid release into natural bodies of water, waste water or the soil.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Chemically resistant protective gloves. Breakthrough time : refer to the recommendations of the supplier

Eye protection:

Goggles with lateral protection.

Skin and body protection:

Avoid any skin contact. Depending on the conditions, face shields, hydrocarbon-resistant boots and clothing, or protective footwear should be worn.

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment

Thermal hazard protection:

Heated product causes burns.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--------------------------------|
| Physical state | : Liquid |
| Appearance | : Clear liquid. |
| Colour | : Light brown |
| Odour | : Hydrocarbon compound |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : < -10 °C |
| Freezing point | : No data available |
| Boiling point | : 127° C ~ 0.01 Torr |
| Flash point | : 220 °C |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas) | : Not flammable. |
| Vapour pressure | : < 0.0001 Torr |
| Relative vapour density at 20°C | : No data available |
| Relative density | : ≈ 0.87 |
| Solubility | : Insoluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : 58 mm ² /s (40°C) |
| Viscosity, dynamic | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : Not explosive. |
| Oxidising properties | : Non oxidizing. |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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 oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-------------------------------------|---|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : 58 mm ² /s (40°C) |
| Symptoms/effects after skin contact | : Prolonged or repeated contact with the skin may cause dermatitis. |
| Symptoms/effects after eye contact | : In the event of contact with the eyes: irritation, in particular in the event of prolonged contact. |
| Symptoms/effects after ingestion | : Aspiration of this material may cause chemical pneumonia. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Water-insoluble mixture. May settle in deposits and physically ensnare aquatic organisms.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

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| | |
|----------------|--|
| Ecology - soil | Largely insoluble, floats and tends to drift from water to land. Susceptible to disperse into sediment and the solid phase of waste-water. |
|----------------|--|

12.5. Other adverse effects

Other information : Regulations forbid the disposal of oils and lubricants in the natural environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

| | |
|---------------------------|---|
| Regional waste regulation | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of in accordance with the local/national safety regulations in force. |

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Additional information

: Regulations forbid the disposal of oils and lubricants in the natural environment. It is recommended to avoid or reduce waste production as much as possible.

The disposal of this product, solutions and by-products shall comply with the legal requirements for environmental protection and waste disposal and the requirements of all local authorities at all times.

A licensed waste disposal contractor will be in charge of the disposal of surplus and non-recyclable products. Do not evacuate untreated waste into the sewers.

Only dispose of this product and its container by taking all standard precautions. Handle non-cleaned and non-rinsed containers with care. Empty containers or liners may retain product residues. Avoid dispersing spilled materials, as well as their leakage, and any contact with the soil, waterways, drains and sewers.

Ecology - waste materials

: Unused residues of the product must be considered as dangerous waste.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|---------------|---------------|---------------|
| 14.1. UN number | | | |
| Not regulated for transport | | | |
| 14.2. Proper Shipping Name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |

14.6. Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

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

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

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| | |
|-------------------------------------|----------------|
| SARA Section 311/312 Hazard Classes | Not applicable |
|-------------------------------------|----------------|

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|---|------------|---------|-------------------|-------|
| A 200 - Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified | 64742-54-7 | Present | Active | |

15.2. International regulations

CANADA

A 200 - Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

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Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Revision date : 12/6/2023

| Abbreviations and acronyms | |
|----------------------------|---|
| BCF | Bioconcentration factor |
| IARC | International Agency for Research on Cancer |
| LC50 | Median lethal concentration |
| EC50 | Median effective concentration |
| ATE | Acute Toxicity Estimate |
| SDS | Safety Data Sheet |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |

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| Abbreviations and acronyms | |
|----------------------------|--|
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| STP | Sewage treatment plant |
| TLM | Median Tolerance Limit |
| vPvB | Very Persistent and Very Bioaccumulative |

Safety Data Sheet (SDS), USA

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.