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

1.1. Product identifier

Substance name: A119

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.]

Product form: Substance

EC Index-No.: 649-467-00-8

EC-No.: 265-157-1

CAS-No.: 64742-54-7

Product code: A119

Formula: (CH2)n 20 ≤ n ≤ 40

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

Relevant identified uses

Use of the substance/mixture: Oil for vacuum pumps

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

Emergency number: The emergency telephone number for France is the ORFILA (INRS) number; + 33 (0) 1 45 42 59 59. This number gives details of all the poison control centres in France. These poison control and toxicovigilance centres provide free medical care 24/7 (excluding the cost of the call). For the emergency telephone number for your own country, please contact the relevant local authorities and visit the ECHA (European Chemicals Agency) website: http://echa.europa.eu/help/nationalhelp_contact_en.asp
Safety Data Sheet
A119
Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Revision date: 02/06/2017  Supersedes: 04/03/2016  Version: 11

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Extra phrases
Substance name: A119 - 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.]
Product form: Substance
EC-No.: 265-157-1
CAS-No.: 64742-54-7
Listed in Annex VI: EC Index-No.: 649-467-00-8

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

SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>A119 Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified (Note L)</td>
<td>(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8</td>
</tr>
<tr>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Comments: Mineral oil-based product which need not be classed as a carcinogen as it can be shown that the substance contains less than 3% DMOS extract when measured using the IP 346 method.

Full text of H-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 or doctor/physician. If inhalation is suspected (occurrence of vomiting, for example), transfer immediately to hospital.

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

Chronic symptoms : See Sub Heading 2.1/2.3.

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

Treat symptomatically. Inhalation may cause chemically-induced pneumopathy. Prolonged or repeated contact with the skin may cause dermatitis.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

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 (NOx), phosphorous oxides, carbon monoxide, carbon dioxide, unburned hydrocarbons (smoke), hydrogen sulhide and unidentified organic and inorganic compounds. Inhalation is highly dangerous.
Hazardous decomposition products in the event of fire : The incomplete combustion and thermolysis produce more or less toxic gases, such as carbon oxides.

5.3. Advice for firefighters

Precautionary measures fire : Do not enter the danger zone without suitable chemical protection clothing and self-contained breathing apparatus.
Protection in the event of a fire : 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.

For non-emergency personnel

Protective equipment: Personal protection: see section 8.

Emergency procedures: Avoid contact with eyes and skin. Do not breathe vapour. To minimise the risk of exposure, wear gloves, goggles, boots and hydrocarbon-resistant clothes.

For emergency responders

Protective equipment: Personal protection: see section 8.

Emergency procedures: Avoid contact with eyes and skin. Do not breathe vapour. To minimise the risk of exposure, wear gloves, goggles, boots and hydrocarbon-resistant clothes.

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

For information on handling, see section 7. For information on personal protective equipment, see section 8. For information on disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Ensure adequate ventilation. Use in well ventilated place.

Precautions for safe handling: Do not breathe vapour. Avoid contact with skin and eyes. Do not eat or drink at point of use. Personal protection: see section 8.

Hygiene measures: Provide good ventilation in process area to prevent formation of vapour, aerosol. Keep packaging tightly closed and away from sources of heat, sparks and naked flames. To avoid the risk of fire, design facilities in order to prevent: - accidental spattering of the product (for example, due to a broken seal) on hot casings or electrical contacts. - accidental oil leaks from a pressurised circuit resulting in very fine flammable spray (the lower flammability limit for oil mist is reached at concentrations of about 45 g/m3). Cloths saturated with the product, paper or materials used to absorb spills are a fire hazard. Do not allow them to accumulate. Dispose of them immediately in a safe way after use.
### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures:** Store at room temperature away from water, humidity, heat and any ignition source. Keep containers closed when not in use.

**Storage conditions:** Storage - away from: strong oxidising agents; direct sunlight; sources of heat.

**Heat and ignition sources:** Keep away from heat and ignition sources.

**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.

### 7.3. Specific end use(s)

No data / information available. Refer to the product data sheet.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**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.] (64742-55-7)

<table>
<thead>
<tr>
<th>France</th>
</tr>
</thead>
<tbody>
<tr>
<td>In France, neither the Ministry of Labour responsible for defining the occupational exposure limits in France nor the Scientific Committee for Occupational Exposure Limits (SCOEL) in Europe has set any limit values concerning oil mists. Within the prevention institution (CRAM, INRS, etc.), it has been decided to retain the NIOSH value of 0.5 mg/m³ as an objective to be achieved in terms of sanitation of the workshops where the cutting fluids are used. SOURCE: CUTTING FLUID AEROSOL METROLOGY; ND 2267 - 207 - 07; INRS; Occupational health and safety - Documentary notes booklets - 2nd quarter 2007.</td>
</tr>
</tbody>
</table>

#### 8.2. Exposure controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station. Use only in well ventilated areas.

**Hand protection:** Due to the many possible conditions of exposure, the user should consider the actual period of use of a chemical protective glove to be significantly shorter than the period prior to permeation. You must follow the manufacturer's instructions, particularly concerning minimum thickness and minimum period prior to permeation. This information must not replace the compliance tests carried out by the final user. The protection provided by the glove depends on the conditions in which the substance/mix is used.

Use at minimum a pair of chemical-resistant, leak-proof gloves (compliant with the EN 374 standard). The use of this product means that the type of material and thickness of the gloves and the time taken to break down the material used to make the gloves cannot be decided until an in-depth study of the workstation has taken place, leading to a clear definition of the conditions of use and the most accurate possible evaluation. The gloves should therefore be chosen with the advice of the individual protective equipment manufacturer.

Wear waterproof, hydrocarbon-resistant gloves (Nitrile gloves recommended in accordance with the norm EN374).

**Eye protection:** Goggles with lateral protection (according to standard EN 166).
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 required under normal conditions of use.

If the mist or vapours cannot be controlled, a breathing apparatus fitted with a cartridge for organic vapours combined with a pre-filter is to be used (type A/P combined filter in accordance with EN141/EN143 standards).

Thermal hazard protection : Heated product causes burns.

Environmental exposure controls : Avoid release into natural bodies of water, waste water or the soil.

Other information : Ensure sufficient ventilation. Do not breathe smoke/gas/mists/vapours/aerosols. Wear protective gloves/protective clothes/eye protection/face protection. Do not touch the product without suitable protective equipment. Do not eat, drink or smoke in the workplace under any circumstances.

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

Relative evaporation rate (butylacetate=1) : No data available

Melting point : < -10 °C

Freezing point : No data available

Boiling point : 112° C ~ 0.01 Torr

Flash point : 213 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Explosive limits : No data available
Vapour pressure : < 0.0001 Torr
Relative vapour density at 20 °C : No data available
Relative density : ≈ 0.87
Solubility : Insoluble in water.
Log Pow : No data available
Viscosity, kinematic : 55 cSt - 40° C
                      : 8.1 cSt - 100°C
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity relating to the substances, containers and contaminants to which the substance or mixture may be exposed during their transport, storage and use : No data available.

10.2. Chemical stability
The product is stable in normal conditions of use. Stability of the substance or mixture under normal and predictable storage and handling room conditions in terms of temperature and pressure : Chemically stable under standard room conditions (room temperature).

10.3. Possibility of hazardous reactions
Reaction or polymerisation of the substance or mixture releasing excessive heat or pressure or generating other dangerous conditions : This product will not polymerise by releasing excessive heat or pressure or by generating other dangerous conditions. (See section 10.1 for reactivity which can generate risks by taking into account the substances, containers and contaminants to which the substance or mixture may be exposed during their transport, storage and use.).

10.4. Conditions to avoid
Listing of conditions such as temperature, pressure, light, shocks, electrostatic discharges, vibrations or other physical stresses which may lead to a dangerous situation : According to our knowledge, temperature, pressure, light, shocks, etc. do not lead to a dangerous situation. Keep away from open flames, hot surfaces and ignition sources.

10.5. Incompatible materials
Families of substances or mixtures, or specific substances, such as water, air, acids, bases, oxidising agents, with which the substance or mixture may react by generating a dangerous situation : Strong oxidising agents, strong acids and strong bases.
**10.6. Hazardous decomposition products**

Known dangerous decomposition products and products which may be reasonably predictable as such following use, storage, pouring and heating:
This product does not decompose under normal conditions. Decomposition products in case of fire: consult section 5.2.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.</td>
</tr>
</tbody>
</table>
STOT-single exposure : Not classified
To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

STOT-repeated exposure : Not classified
To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Aspiration hazard : Not classified
To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Potential adverse human health effects and symptoms : No data available.

Other information : Prolonged or repeated contact with products containing mineral oils may cause the skin's lipidic layer to be removed, especially at high temperatures. Such contact may lead to irritation and probably dermatosis, particularly when adequate personal hygiene is not practiced.

The oils used may contain harmful impurities that have accumulated during use. The concentration of impurities depends on usage, and may cause increasing irritation of the skin and eyes and may pose risks to safety and the environment during disposal. Any oil used is to be handled with caution so as to avoid skin contact if possible.

In France, neither the Ministry of Labour responsible for defining the occupational exposure limits in France nor the Scientific Committee for Occupational Exposure Limits (SCOEL) in Europe has set any limit values concerning oil mists. Within the prevention institution (CRAM, INRS, etc.), it has been decided to retain the NIOSH value of 0.5 mg/m3 as an objective to be achieved in terms of sanitation of the workshops where the cutting fluids are used. SOURCE: CUTTING FLUID AEROSOL METROLOGY; ND 2267 - 207 - 07; INRS; Occupational health and safety - Documentary notes booklets - 2nd quarter 2007.

Information on the likely routes of exposure:

Dermal contact : Can cause dermatosis by contact with the skin in the event of prolonged or repeated contact. Characteristic skin lesions (oil acne) may develop following prolonged and repeated exposure in contact with dirty clothes.

Eyes contact : In the event of contact with the eyes: irritation, in particular in the event of prolonged contact.

Inhalation : High concentrations of vapours or aerosol spray may irritate the respiratory system and mucus membranes.

Ingestion : Inhalation may cause chemically-induced pneumopathy.

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

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.] (64742-54-7)

Persistence and degradability

No data available.

12.3. Bioaccumulative potential

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.] (64742-54-7)

Bioaccumulative potential

No data / information available.

12.4. Mobility in soil

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.] (64742-54-7)

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. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of in accordance with the local/national safety regulations in force.
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 ADR / RID / IMDG / IATA / ADN

14.1. UN number
Not regulated for transport

14.2. UN proper shipping name
Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR): Not applicable

IMDG
Transport hazard class(es) (IMDG): Not applicable

IATA
Transport hazard class(es) (IATA): Not applicable

14.4. Packing group
Packing group (ADR): Not applicable
Packing group (IMDG): Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Special transport precautions : For information on handling, see section 7. For information on personal protective equipment, see section 8. For information on disposal, see section 13.

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

IBC code : No available data for bulk transport in accordance with annex II of the MARPOL 73/78 Convention and the IBC Code; if necessary, consult the supplier.

SECTION 15: Regulatory information

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

EU-Regulations

No REACH Annex XVII restrictions
A119

Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified is not on the REACH Candidate List
A119

Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified is not on the REACH Annex XIV List

National regulations

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

No additional information available
SECTION 16: Other information

Indication of changes:

Following major changes, the SAFETY DATA SHEET has been completely revised.

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.