



**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 2 of 11

**2. Hazard identification**

**Classification of the substance or mixture**

**Regulation (EC) No 1272/2008**

Carc. 1B; H350  
Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

**Label elements**

**Regulation (EC) No 1272/2008**

**Hazard components for labelling**

"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"  
"Distillates (petroleum), hydrotreated middle; Gasoil - unspecified"

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

H304 May be fatal if swallowed and enters airways.  
H350 May cause cancer.

**Precautionary statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P281 Use personal protective equipment as required.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P331 Do NOT induce vomiting.  
P405 Store locked up.  
P501 Dispose of contents/container to an appropriate recycling or disposal facility.

**Special labelling**

Restricted to professional users.

**Other hazards**

No data available

**3. Composition/information on ingredients**

**Mixtures**

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 3 of 11

**Relevant ingredients**

| CAS No     | Chemical name  |              |          | Quantity    |
|------------|--|--------------|----------|-------------|
|            | EC No  | Index No     | REACH No |             |
|            | Classification (Regulation (EC) No 1272/2008)                          |              |          |             |
| 64742-47-8 | "Distillates (petroleum), hydro-treated light; Kerosine - unspecified" |              |          | 50 - < 55 % |
|            | 265-149-8  | 649-422-00-2 |          |             |
|            | Asp. Tox. 1; H304  |              |          |             |
| 64742-46-7 | "Distillates (petroleum), hydrotreated middle; Gasoil - unspecified"   |              |          | 50 - < 55 % |
|            | 265-148-2  | 649-221-00-X |          |             |
|            | Carc. 1B; H350   |              |          |             |

Full text of H statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

| CAS No     | EC No  | Chemical name  | Quantity    |
|------------|--|--|-------------|
|            | Specific Conc. Limits, M-factors and ATE   |  |             |
| 64742-47-8 | 265-149-8  | "Distillates (petroleum), hydro-treated light; Kerosine - unspecified" | 50 - < 55 % |
|            | inhalation: LC50 = > 5,28 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg |  |             |

**Further Information**

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

**4. First-aid measures**
**Description of first aid measures**
**General information**

Do not breathe vapour/aerosol.

**After inhalation**

Provide fresh air. Call a doctor if you feel unwell.

If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

**After contact with skin**

Wash immediately with: Water, Soap

Take off immediately all contaminated clothing and wash it before reuse.

In case of skin irritation, consult a physician.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

In case of eye irritation consult an ophthalmologist.

**After ingestion**

Observe risk of aspiration if vomiting occurs.

Call a physician immediately.

**Most important symptoms and effects, whether acute or delayed**

Pneumonia

Gastrointestinal complaints

**Indication of immediate medical attention and special treatment needed**

No data available

**5. Fire-fighting measures**
**Extinguishing media**

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 4 of 11

**Suitable extinguishing media**

- Foam
- Carbon dioxide (CO<sub>2</sub>)
- Extinguishing powder
- Water

**Unsuitable extinguishing media**

no restriction

**Specific hazards arising from the hazardous product**

- Combustible liquids
- Hazardous combustion products
- In case of fire may be liberated:
- Carbon dioxide (CO<sub>2</sub>)
- Carbon monoxide
- Nitrogen oxides (NO<sub>x</sub>)
- Sulphur oxides
- In case of warming:
- Vapours are heavier than air, spread along floors and form explosive mixtures with air.

**Special protective equipment and precautions for fire-fighters**

- In case of fire: Wear self-contained breathing apparatus.
- Wear full chemical protective clothing.

**Additional information**

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Use water spray jet to protect personnel and to cool endangered containers.
- Move undamaged containers from immediate hazard area if it can be done safely.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**General advice**

- In case of warming:
- Vapours are heavier than air, spread along floors and form explosive mixtures with air.
- Take precautionary measures against static discharges.

**For non-emergency personnel**

- Provide adequate ventilation.
- Use personal protection equipment.
- Avoid contact with skin, eyes and clothes.
- Remove persons to safety.
- Emergency procedures
- Consult an expert
- Do not breathe dust/fume/gas/mist/vapours/spray.

**For emergency responders**

Precautionary statements For emergency responders : Personal protection equipment: see section 8

**Environmental precautions**

Do not allow to enter into surface water or drains.

**Methods and material for containment and cleaning up**

**For containment**

- Cover drains.
- Prevent spread over a wide area (e.g. by containment or oil barriers).
- Collect in closed and suitable containers for disposal.
- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 5 of 11

**For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

**Other information**

- Provide adequate ventilation.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**Reference to other sections**

- Safe handling: see section 7
- Personal protection equipment: see section 8
- Disposal: see section 13

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

- Read label before use. Handle and open container with care.
- When using do not eat, drink, smoke, sniff. Keep container tightly closed.
- Use personal protection equipment.
- Do not breathe vapour/aerosol.
- Provide adequate ventilation.
- Use extractor hood (laboratory).

**Advice on protection against fire and explosion**

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Take precautionary measures against static discharges.
- In case of warming:  
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

**Advice on general occupational hygiene**

- Keep away from food, drink and animal feedingstuffs.
- The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

**Further information on handling**

- Take off immediately all contaminated clothing and wash it before reuse.
- Draw up and observe skin protection programme.
- Wash hands and face before breaks and after work and take a shower if necessary.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

- Store in a place accessible by authorized persons only.
- Store in a well-ventilated place.
- Keep container tightly closed.

**Hints on joint storage**

TRGS 510

**Further information on storage conditions**

- Keep cool. Protect from sunlight.

**Specific end use(s)**

Laboratory chemicals

**8. Exposure controls/Personal protection**

**Control parameters**

**Exposure controls**

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 6 of 11

**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

goggles

Face protection umbrella

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Take off immediately all contaminated clothing and wash it before reuse.

Wash hands and face before breaks and after work and take a shower if necessary.

Draw up and observe skin protection programme.

**Respiratory protection**

Respiratory protection necessary at: aerosol or mist formation

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Thermal hazards**

No data available

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

|   |                    |                   |
|---|--------------------|-------------------|
| Physical state:   | Liquid             |                   |
| Colour:   | colourless         |                   |
| Odour:  | like: Hydrocarbons |                   |
| Odour threshold:  | No data available  |                   |
| Melting point/freezing point:                             |                    | No data available |
| Boiling point or initial boiling point and boiling range: |                    | 227-288 °C        |
| Flammability:   |                    | No data available |
| Lower explosive limits:                                   |                    | No data available |
| Upper explosive limits:                                   |                    | No data available |
| Flash point:  |                    | No data available |
| Auto-ignition temperature:                                |                    | No data available |
| Decomposition temperature:                                |                    | No data available |
| pH-Value:   |                    | No data available |
| Viscosity / kinematic:                                    |                    | No data available |
| Water solubility:   |                    | No data available |
| Solubility in other solvents                              |                    |                   |
| No data available   |                    |                   |
| Dissolution rate:   |                    | No data available |
| Partition coefficient n-octanol/water:                    |                    | No data available |

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 7 of 11

|                           |                   |
|---------------------------|-------------------|
| Dispersion stability:     | No data available |
| Vapour pressure:          | No data available |
| Vapour pressure:          | No data available |
| Density:                  | 0,81-0,83 g/cm³   |
| Relative density:         | No data available |
| Bulk density:             | No data available |
| Relative vapour density:  | No data available |
| Particle characteristics: | No data available |

**Other information**

**Information with regard to physical hazard classes**

**Explosive properties**

In case of warming:

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Sustained combustibility: No data available

**Self-ignition temperature**

Solid:

No data available

Gas:

No data available

**Oxidizing properties**

No data available

**Other safety characteristics**

Evaporation rate: No data available

Solvent separation test: No data available

Solvent content: 100%

Solid content: No data available

Sublimation point: No data available

Softening point: No data available

Pour point: No data available

Viscosity / dynamic: No data available

Flow time: No data available

**Further Information**

No data available

**10. Stability and reactivity**

**Reactivity**

In case of warming:

Vapours may form explosive mixtures with air.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

Oxidising agent

**Conditions to avoid**

Heat

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Incompatible materials**

No data available

**Hazardous decomposition products**

in case of fire, see:

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 8 of 11

SECTION 5: Firefighting measures

**Further information**

No data available

**11. Toxicological information**
**Information on toxicological effects**
**Toxicokinetics, metabolism and distribution**

No data available

**Acute toxicity**

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

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

| CAS No     | Chemical name  |                   |         |                     |                    |
|------------|--|-------------------|---------|---------------------|--------------------|
|            | Route of exposure  | Dose              | Species | Source              | Method             |
| 64742-47-8 | "Distillates (petroleum), hydro-treated light; Kerosine - unspecified" |                   |         |                     |                    |
|            | oral   | LD50 > 5000 mg/kg | Rat     | Study report (1992) | EPA OTS 798.1175   |
|            | dermal   | LD50 > 2000 mg/kg | Rabbit  | Study report (1992) | EPA OTS 798.1100   |
|            | inhalation (4 h) vapour  | LC50 > 5,28 mg/l  | Rat     | Study report (1987) | OECD Guideline 403 |

**Irritation and corrosivity**

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

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

slightly irritant but not relevant for classification.

Repeated exposure may cause skin dryness or cracking.

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

**Sensitizing effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

May cause cancer. ("Distillates (petroleum), hydrotreated middle; Gasoil - unspecified")

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Information on likely routes of exposure**

No data available

**Specific effects in experiment on an animal**

No data available

**Additional information on tests**

No data available

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 9 of 11

**Practical experience**

No data available

**Information on other hazards**
**Endocrine disrupting properties**

No data available

**Other information**

No data available

**Further information**

Gastrointestinal complaints

Pneumonia

Depression of central nervous system

**12. Ecological information**
**Ecotoxicity**

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

| CAS No     | Chemical name  |              |           |         |   |                       |
|------------|--|--------------|-----------|---------|---|-----------------------|
|            | Aquatic toxicity   | Dose         | [h]   [d] | Species | Source  | Method                |
| 64742-47-8 | "Distillates (petroleum), hydro-treated light; Kerosine - unspecified" |              |           |         |   |                       |
|            | Acute fish toxicity  | LL50<br>mg/l | 2 - 5     | 96 h    | Oncorhynchus mykiss<br>Study report<br>(1994)         | OECD Guideline<br>203 |
|            | Acute algae toxicity   | ErC50        | 8,3 mg/l  | 72 h    | Raphidocelis<br>subcapitata<br>Study report<br>(1995) | OECD Guideline<br>201 |
|            | Acute crustacea toxicity   | EL50         | 1,4 mg/l  | 48 h    | Daphnia magna<br>Study report<br>(1995)               | OECD Guideline<br>202 |

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**Other adverse effects**

Do not allow to enter into surface water or drains.

**Further information**

Avoid release to the environment.

**13. Disposal considerations**
**Waste treatment methods**
**Disposal recommendations**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Send to a physico-chemical treatment facility under observation of official regulations.

Do not allow to enter into surface water or drains.

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 10 of 11

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.  
Waste codes/waste designations according to EWC/AVV

**14. Transport information**

**Land transport (ADR/RID)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.  
**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.  
**Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**Packing group:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.  
**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.  
**Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**Packing group:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.  
**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.  
**Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.  
**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.  
**Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**Packing group:** No dangerous good in sense of this transport regulation.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

No dangerous good in sense of this transport regulation.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No dangerous good in sense of this transport regulation.

**15. Regulatory information**

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

**EU Regulatory information**

Restrictions on use (REACH, annex XVII):  
Entry 3, Entry 75

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water hazard class (D): 2 - obviously hazardous to water

**CONOSTAN® Viscosity Standard S3**

Revision: 10.08.2023

Product code: AC18.05571

Page 11 of 11

**16. Other information**

**Abbreviations and acronyms**

Asp. Tox. 1: Aspiration hazard

Carc. 1B: Carcinogenicity

**Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008**

|                   |                          |
|-------------------|--------------------------|
| Classification    | Classification procedure |
| Carc. 1B; H350    | Calculation method       |
| Asp. Tox. 1; H304 | Calculation method       |

**Relevant H statements (number and full text)**

H304 May be fatal if swallowed and enters airways.

H350 May cause cancer.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Provide appropriate information, instructions and training to users

**Identified uses**

| No | Short title | LCS | SU | PC | PROC | ERC | AC | TF | Specification |
|----|-------------|-----|----|----|------|-----|----|----|---------------|
| 1  | PC21        | -   | -  | 21 | 15   | -   | -  | -  |               |
| 2  | PROC15      | -   | -  | -  | 15   | -   | -  | -  |               |

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*