

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 2 of 10

2. Hazard(s) identification

Classification of the chemical

Regulation (EC) No 1272/2008

Carc. 1B; H350

Full text of hazard statements: see SECTION 16.

Label elements

Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

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.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Special labeling

Restricted to professional users.

Hazards not otherwise classified

No data available

3. Composition/information on ingredients

Mixtures

Chemical characterization

- Mixture Lubricant Base Oil 98-100%
- None Oil Mist, If generated
- 7440-02-0 Nickel Compounds <0.1%
- Proprietary Lead Compounds <0.1%
- Proprietary Silicon Alkyl aryl Sulfonate (% as Si) <0.1%

Relevant ingredients

none (according to Regulation (EC) No 1907/2006 (REACH))

Further Information

The following materials are present at less than 0.1%:
Blended Alkyl aryl Sulfonate or as indicated, including

- Silver Compound
- Aluminum Compound
- Boron Compound

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 3 of 10

Barium Compound
 Cadmium Compound
 Chromium Compound
 Copper Compound
 Iron Compound
 Magnesium Compound
 Manganese Compound
 Molybdenum Compound
 Sodium Compound
 Nickel Compound
 Lead Compound
 Silicon Compound
 Tin Compound
 Titanium Compound
 Vanadium Compounds
 Zinc Compounds

A typical concentration of the above metal compound is 300 ppm of each metal.
 Refer to container for the exact concentration.

4. First-aid measures

Description of first aid measures

General information

No data available

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

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Observe risk of aspiration if vomiting occurs.

Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Pneumonia

Gastrointestinal complaints

Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Foam

Carbon dioxide (CO2)

Extinguishing powder

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 4 of 10

Water

Unsuitable extinguishing media

no restriction

Specific hazards arising from the chemical

Combustible liquids

Hazardous combustion products

In case of fire may be liberated:

Carbon dioxide (CO₂)

Carbon monoxide

In case of warming:

Vapors 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:

Vapors 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/vapors/spray.

For emergency responders

Precautionary statements For emergency responders : Personal protection equipment (PPE): 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).

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/vapors/spray.

Wear breathing apparatus if exposed to vapors/dusts/aerosols.

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 5 of 10

Reference to other sections

- Safe handling: see section 7
- Personal protection equipment (PPE): 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 vapor or spray.
- Provide adequate ventilation.

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:
- Vapors 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 the protective agents should 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

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

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 6 of 10

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. A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

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 | |
| Color: | amber | |
| Odor: | like: Hydrocarbons | |
| Odour threshold: | No data available | |
| Melting point/freezing point: | | No data available |
| Boiling point or initial boiling point and boiling range: | | 204-288 °C |
| Flammability: | | No data available |
| Lower explosion limits: | | No data available |
| Upper explosion limits: | | No data available |
| Flash point: | | ~204 °C |
| 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 |
| Dispersion stability: | | No data available |
| Vapor pressure: | | No data available |
| Vapor pressure: | | No data available |
| Density: | | 0,81-0,89 g/cm ³ |
| Relative density: | | No data available |
| Bulk density: | | No data available |

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 7 of 10

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:
 Vapors 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: No data available
 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:
 SECTION 5: Fire fighting measures

Further information

No data available

11. Toxicological information

Information on toxicological effects

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 8 of 10

Toxicokinetics, metabolism and distribution

May be harmful if inhaled.

Acute toxicity

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

ATEmix calculated

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

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

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.

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

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

Aspiration hazard

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

Route(s) of Entry

No data available

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

No data available

Information on other hazards

Endocrine disrupting properties

Other dangerous properties cannot be excluded.

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.

Persistence and degradability

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 9 of 10

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.

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)

| | |
|---|--|
| <u>UN number or ID number:</u> | No dangerous good in sense of this transport regulation. |
| <u>UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>Packing group:</u> | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|---|--|
| <u>UN number or ID number:</u> | No dangerous good in sense of this transport regulation. |
| <u>UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>Packing group:</u> | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|---|--|
| <u>UN number or ID number:</u> | No dangerous good in sense of this transport regulation. |
| <u>UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>Packing group:</u> | No dangerous good in sense of this transport regulation. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|---|--|
| <u>UN number or ID number:</u> | No dangerous good in sense of this transport regulation. |
| <u>UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>Packing group:</u> | No dangerous good in sense of this transport regulation. |

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

CONOSTAN® D-Series D-19 Standard (MSDS)

Revision date: 01/27/2023

Product code: AC18.06012

Page 10 of 10

Special precautions for user

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 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

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):

3 - highly hazardous to water

16. Other information

Abbreviations and acronyms

Carc. 1B: Carcinogenicity

Relevant H statements (full text)

H350 May cause cancer

Other data

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

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

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