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Revision: 27.01.2023

Product code: AC18.06012

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**2. Hazard identification**

**Classification of the substance or mixture**

**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 labelling**

Restricted to professional users.

**Other hazards**

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

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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, 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**

**Suitable extinguishing media**

Foam

Carbon dioxide (CO<sub>2</sub>)

Extinguishing powder

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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

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).

**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.

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**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.

**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**
**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

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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:	amber	
Odour:	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 explosive limits:		No data available
Upper explosive 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
Vapour pressure:		No data available
Vapour pressure:		No data available
Density:		0,81-0,89 g/cm <sup>3</sup>
Relative density:		No data available
Bulk density:		No data available
Relative vapour density:		No data available
Particle characteristics:		No data available

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**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:

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: Firefighting measures

**Further information**

No data available

**11. Toxicological information**

**Information on toxicological effects**

**Toxicokinetics, metabolism and distribution**

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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.

**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**

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

**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

**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**

No data available

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**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)**

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

**Inland waterways transport (ADN)**

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

**Marine transport (IMDG)**

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

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

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

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**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

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 (number and full text)**

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.)*