



# SAFETY INFORMATION SHEET

## SANDVIK PERFORMANCE FLUIDS

## SANDVIK LUBRICATION PUMP GREASE CARTRIDGE

## SANDVIK K2K-25

ACCORDING TO REGULATION (EC) NO 1272/2008 WE ARE NOT OBLIGED TO SUPPLY A SAFETY DATA SHEET OR MATERIAL SAFETY DATA SHEET WITH THIS PRODUCT. HOWEVER AS YOUR SAFETY IS OUR FIRST PRIORITY AT SANDVIK WE MADE AVAILABLE A SAFETY INFORMATION SHEET TO ACCOMPANY THE PRODUCT

INTERNAL NO: SIS-SANDVIK K2K-25/ENG/METRIC

ISSUED: 08/10/2018

### 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

#### 1.1: Product identifier

Product Name	Sandvik Lubrication Pump Grease Cartridge
Product Code	Sandvik K2K-25

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

Identified uses	Lubricants, greases, release products
Uses advised against	This product must not be used in applications other than those listed in chapter 1 without first seeking the advice of the supplier.

#### 1.3: Details of the supplier of the safety information sheet

Name	Sandvik Mining and Construction Logistics Ltd.
Address	Harcourt Road, Dublin, Ireland
Email	For ALL content or SDS related inquiries contact us <a href="mailto:sds.smrt@sandvik.com">sds.smrt@sandvik.com</a>

#### 1.4: Emergency telephone number

Emergency telephone numbers	In case of chemical emergency (spill, leak, fire, exposure or accident) call our service provider UK National Chemical Emergency Centre (NCEC): For Europe and if no country-specific number listed: +44 1865 407 333 For Brazil: +55 11 3197 5891 For US: +1 202 464 2554 For Mexico: +52 55 5004 8763 For Africa: +27 21 300 2732 For Australia: +61 2 8014 4558 For NZ: +64 9 929 1483 For China (mainland): + 86 532 8388 9090 For China (outside): +86 512 8090 3042
Hours of operation	24 hours per day / 7 days per week.



## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

None

Classification procedure

Calculation method.

### 2.2 Label Elements

None

### 2.3 Other hazards:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.



### 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.2: Mixtures

Hazardous ingredients: None

#### 3.2: Additional information

Highly refined mineral oil (IP 346 DMSO extract < 3%).



## 4: FIRST AID MEASURES

### 4.1: Description of first aid measures

#### General information:

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice. In the event of cardiac arrest immediately perform cardiopulmonary resuscitation.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician. Oils and greases injected under your skin with high pressure equipment is a serious damage. Seek medical attention IMMEDIATELY. Bring a copy of this safety data sheet with you to the hospital for information to the medical staff.

#### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye. Call a physician immediately.

#### After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician immediately.

### 4.2: Most important symptoms and effects, both acute and delayed

#### Symptoms:

The following symptoms may occur: Respiratory complaints , Headache , Dizziness , Nausea . Symptoms can occur only after several hours.

### 4.3: Indication of any immediate medical attention and special treatment needed

None



## **5: FIRE-FIGHTING MEASURES**

### **5.1: Extinguishing media**

#### **Suitable extinguishing media**

Foam , Extinguishing powder , Carbon dioxide (CO<sub>2</sub>) , Sand .

Co-ordinate fire-fighting measures to the fire surroundings.

#### **Unsuitable extinguishing media**

Water

### **5.2: Special hazards arising from the substance or mixture**

#### **Hazardous combustion products**

Carbon dioxide (CO<sub>2</sub>) , Nitrogen oxides (NO<sub>x</sub>) , Sulphur oxides , Carbon monoxide , Aliphatic and aromatic pyrolysis products, Phosphorus oxides

### **5.3: Advice for fire-fighters**

#### **Special protective equipment for firefighters**

Do not inhale explosion and combustion gases. In case of fire: Wear self-contained breathing apparatus.

### **5.4: 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**

### **6.1: Personal precautions, protective equipment and emergency procedures**

Special danger of slipping by leaking/spilling product. Provide fresh air.

Avoid contact with skin, eyes and clothes.

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

#### **For non-emergency personnel**

Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Special danger of slipping by leaking/spilling product. Provide adequate ventilation.

See protective measures under point 7 and 8.

#### **For emergency responders**

Suitable material : NBR (Nitrile rubber).

Unsuitable material : Butyl caoutchouc (butyl rubber) , NR (natural rubber, natural latex) , CR (poly-chloroprene, chloroprene rubber)

### **6.2: Environmental precautions**

Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### **6.3: Methods and materials for containment and cleaning up**

#### **For containment**

Clear spills immediately. Cover drains.

#### **For cleaning up**

Take up with oil-absorbing compound. Treat the recovered material as prescribed in the section on waste disposal. Never return spills in original containers for re-use. Clean contaminated articles and floor according to the environmental legislation. Retain contaminated washing water and dispose it.

### **6.4: Reference to other sections**

Wear personal protection equipment (refer to section 8). Disposal: see section 13 .



## 7: HANDLING AND STORAGE

### 7.1: Precautions for safe handling

No hazardous reaction when handled and stored according to provisions. ( Health hazards : None ) .

Avoid contact with skin, eyes and clothes.

Do not breathe vapour/aerosol. Provide fresh air.

Respiratory protection necessary at: generation/formation of aerosols , insufficient ventilation , insufficient exhaust .

#### Protective measures

##### Measures to prevent fire

No special fire protection measures are necessary.

##### Measures to prevent aerosol and dust generation

No special measures are necessary.

##### Specific requirements or handling rules

No special measures are necessary.

### 7.2: Conditions for safe storage, including any incompatibilities

#### Packaging materials

Unsuitable container/equipment material: None

#### Requirements for storage rooms and vessels

Floors should be impervious, resistant to liquids and easy to clean. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Shafts and sewers must be protected from entry of the product. Keep/Store only in original container. Protect containers against damage. Ensure adequate ventilation of the storage area.

#### Hints on joint storage

Possibility of hazardous reactions : Oxidizing agent .

Further information on storage conditions

Keep/Store only in original container. Keep in a cool, well-ventilated place.

Do not store at temperatures below : 0 °C .

Recommended storage temperature : 0 °C - 40 °C .

Protect against : Protect against direct sunlight. Keep away from heat.

Storage stability : >= 6 months . Observe technical data sheet.

### 7.3: Specific end use(s)

None



## 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1: Control parameters

None

### 8.2: Exposure controls

A substance-tailored exposure-driven testing according to REACH, annex XI, chapter 3 was not performed.

#### **Appropriate engineering controls**

See section 7. No additional measures necessary.

#### **Personal protection equipment**

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

#### **Eye/face protection**

Additional eye protection measures : Wear eye/face protection.

#### **Skin protection**

Hand protection

Tested protective gloves must be worn Breakthrough time (maximum wearing time) : 4 hours ( NBR (Nitrile rubber) , Thickness of the glove material : 0,4 mm ) . See information supplied by the manufacturer. 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.

Unsuitable material : Butyl caoutchouc (butyl rubber) , NR (natural rubber, natural latex) , CR (polychloroprene, chloroprene rubber)

#### **Respiratory protection**

Usually no personal respiratory protection necessary.

#### **General health and safety measures**

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately.

Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work





## 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1: Information on basic physical and chemical properties

#### Appearance

Physical state : liquid

Colour : yellow

#### Odour

characteristic

#### Safety relevant basis data

Melting point/melting range : ( 1013 hPa ) > 185 °C

Initial boiling point and boiling range : ( 1013 hPa ) > 250 °C

Decomposition temperature : not determined

Flash point : > 200 °C

Lower explosion limit : not determined

Upper explosion limit : not determined

Danger of explosion: No explosive hazard

Density : ( 20 °C ) 0,92 g/cm<sup>3</sup> DIN 51757

Solubility in / Miscibility with Water: Not miscible or difficult to mix.

log P O/W : not determined

Odour threshold : not determined

Relative vapour density : ( 20 °C ) not determined

Vapourisation rate : not determined

Flammable solids : Not determined.

Oxidising solids : Not oxidising.

### 9.2: Other information

None



## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

This material is considered to be non-reactive under normal use conditions.

### 10.2 Chemical Stability:

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions:

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid:

In case of exceeding the storage temperature: Danger of bursting container.

### 10.5 Incompatible Materials:

Reaction with oxidizing agents possible. Acid

### 10.6 Hazardous Decomposition Products:

Does not decompose when used for intended uses. Thermal decomposition can lead to the escape of irritating gases and vapours. Hazardous decomposition products : Carbon monoxide , Carbon dioxide. , aldehydes. , Ketone , Sulphur oxides , Nitrogen oxides (NOx)130382, Phosphorus oxides



## 11: TOXICOLOGICAL INFORMATION

### 11.1: Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

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

##### Acute dermal toxicity

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

##### Acute inhalation toxicity

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

#### Irritant and corrosive effects

##### Primary irritation to the skin

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

##### Irritation to eyes

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

##### Irritation to respiratory tract

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

#### Sensitisation

##### In case of skin contact

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

##### In case of inhalation

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

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

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

##### 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.



### 11.3: Symptoms related to the physical, chemical and toxicological characteristics

#### **In case of ingestion**

No known symptoms to date.

#### **In case of skin contact**

No known symptoms to date.

#### **In case of inhalation**

No known symptoms to date.

#### **In case of eye contact**

No known symptoms to date.



## 12: ECOLOGICAL INFORMATION

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 12.1 Toxicity

There are no data available on the mixture itself.

### 12.2 Persistence and degradability

There are no data available on the mixture itself.

### 12.3 Bioaccumulative potential

There are no data available on the mixture itself.

### 12.4 Mobility in soil

There are no data available on the mixture itself.

### 12.5 Results of PBT and vPvB assessment

There are no data available on the mixture itself.

### 12.6 Other adverse effects

There are no data available on the mixture itself.

### 12.7 Additional ecotoxicological information

None



## 13: DISPOSAL CONSIDERATIONS

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

### 13.1: Waste treatment methods

#### Product/Packaging disposal

The waste is to be kept separate from other types of waste until its recycling. Recycle according to official regulations. Waste for recycling is to be classified and labelled.

#### Waste codes/waste designations according to EWC/AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

##### Waste code product

List of proposed waste codes/waste designations in accordance with AAV : 120112\*

##### Waste code packaging

List of proposed waste codes/waste designations in accordance with AAV : 150110\*

#### Waste treatment options

##### Appropriate disposal / Product

Evidence for disposal must be provided. Send to a hazardous waste incinerator facility under observation of official regulations.

##### Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Non-contaminated packages must be recycled or disposed of. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself. Evidence for disposal must be provided.

##### Other disposal recommendations

Dispose according to legislation. Do not allow to enter into surface water or drains.



## 14: TRANSPORT INFORMATION

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of these transport regulations.



## 15: REGULATORY INFORMATION

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

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

##### EU legislation

REACH Regulation – the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP Regulation – the European Parliament and Council Regulation (EC) No 1272/2008 concerning reclassification, labelling and packaging of substances and mixtures

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]. This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Keine

##### Other regulations (EU)

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Volatile organic compounds (VOC) content in percent by weight :<3

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer  
not relevant

### 15.2 Chemical safety as-sessment:

For this substance a chemical safety assessment has not been carried out.





## 16: OTHER INFORMATION

### 16.1 Indication of changes

01. Relevant identified uses · 03. Composition / Information on ingredients - Additional information · 05. Special hazards arising from the substance or mixture - Hazardous combustion products · 06. Methods and material for containment and cleaning up - For cleaning up · 07. Further information on storage conditions - Recommended storage temperature · 07. Further information on storage conditions - Storage stability · 09. Physical state · 10. Hazardous decomposition products · 13. Waste code product · 13. Appropriate disposal / Product

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

Data arise from reference works and literature.

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Calculation method.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

GHS Hazard statements of components

### 16.6 Training advice

None

### 16.7 Additional information

During mixing, observe all labels and safety data sheets of all the components. Please refer to our internet website for more information: See section 1.