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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

#### Commercial Product Name

Special Tool Grease, part no. 902045  
902046  
951370

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

#### Recommended use

Lubricant

### Details of the supplier of the safety data sheet

#### Supplier

Sandvik Mining and Construction Oy, Breakers Lahti

#### Street address

Taivalkatu 8

#### Postcode and post office

FI-15101 Lahti

Finland

#### PO Box

P.O Box 165

#### Telephone

+358 205 44 151

#### Telefax

+358 205 44 150

#### Email

breakers@sandvik.com

### Emergency telephone number

#### Telephone number, name and address

Poison information center tel. In Finland: +358 9 471 977 (24 h)

For other countries, see: <http://apps.who.int/poisoncentres/>

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

This mixture is not classified as dangerous according to the Regulation (EC) 1272/2008 (CLP).

### Label elements

None.

### Other hazards

None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Other information

DMSO extract <3%.

## 4. FIRST AID MEASURES

### Description of first aid measures

#### Inhalation

In case of exposure to vapors and gases from overheating or burning move to fresh air and rest.

#### Skin contact

Contaminated clothing must be taken off and skin needs to be washed carefully with soap and water. If the product has been injected into the skin or anywhere into the body, always seek medical advice.

#### Eye contact

Rinse with plenty of water, also under eyelids. If eye irritation persists, seek medical advice.

#### Ingestion

DO NOT INDUCE VOMITING! Rinse the patient's mouth with water and obtain medical attention.

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

Not available.

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

Treat symptomatically.

## 5. FIREFIGHTING MEASURES

**Extinguishing media**

**Suitable extinguishing media**

Foam, powder or carbon dioxide.

**Extinguishing media which must not be used for safety reasons**

Water spray.

**Special hazards arising from the substance or mixture**

Burning may cause hazardous decomposition products: Smoke, carbon monoxide, carbon dioxide and other products of incomplete burning.

**Advice for firefighters**

Breathing apparatus and protective clothing should be used.

## 6. ACCIDENTAL RELEASE MEASURES

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

Instructions on handling and protection are listed in sections 7 and 8.

**Environmental precautions**

Do not allow to enter drains, water courses or ground.

**Methods and materials for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth or other suitable material. Place in labelled containers for disposal according to official regulations. Local rescue service should be advised if significant spillages cannot be contained.

**Reference to other sections**

Refer to section 1 for contact information in case of emergency.

Refer to section 8 for information about personal protection equipment.

Refer to section 13 for further information on disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Avoid repeated and long-term skin contact. Use appropriate protective clothing. When handling drums, use special safety shoes.

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

Store in a dry, cool and well-ventilated place, tightly closed and only in original packages. Protect from direct sunlight. Keep opened container upright to avoid leaks. Keep storage temperature under +50°C. Keep container closed when not in use. Keep out of reach of children.

**Specific end use(s)**

Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Not applicable.

**DNELs**

Not known.

**PNECs**

Not known.

**Exposure controls**

**Appropriate engineering controls**

Use only in well-ventilated areas. Wash hands before breaks and after finishing work.

**Individual protection measures**

**Respiratory protection**

If necessary, use an appropriate respirator or protective clothing when ventilation is inadequate.

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**Hand protection**

Use protective nitrile gloves:

- Thickness > 0.38 mm - breakthrough time > 480 minutes.
- Thickness 0.1 mm - splash protection.

Ensure that the breakthrough time is not exceeded. Contact the glove supplier if you need information on the breakthrough times of the gloves.

**Eye/face protection**

Use chemical goggles, if risk of splashing.

**Skin protection**

Use protective clothing if needed.

**Environmental exposure controls**

Do not release into the ground, water or sewer system.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Important health safety and environmental information**

**Appearance**

Dark grease.

**Odor**

Oily.

**Odor threshold**

Not available.

**pH**

Not applicable.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not available.

**Flash point**

>100°C

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not applicable.

**Explosive properties**

**Lower explosion limit**

Not available.

**Upper explosion limit**

Not available.

**Vapor pressure**

Not available.

**Vapor density**

Not available.

**Relative density**

~ 1000 kg/m<sup>3</sup>

**Solubility(ies)**

**Water solubility**

Insoluble.

**Partition coefficient: n-octanol/water**

Not applicable.

**Auto-ignition temperature**

Not available.

**Decomposition temperature**

Not available.

**Viscosity**

Not available.

**Explosive properties**

Not applicable.

**Oxidizing properties**

Not applicable.

**Other information**

None.

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable.

**Chemical stability**

Stable under recommended conditions for handling and storage (see section 7).

**Possibility of hazardous reactions**

Will not occur under normal circumstances.

**Conditions to avoid**

Keep away from heat sources.

**Incompatible materials**

Strong acids and oxidizing materials.

**Hazardous decomposition products**

None, under normal conditions of use.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

Not known.

#### Irritation and corrosion

Not dangerous based on raw material data.

#### Sensitization

Not dangerous based on raw material data.

#### Subacute, subchronic and prolonged toxicity

Not dangerous based on raw material data.

#### STOT-single exposure

Not dangerous based on raw material data.

#### STOT-repeated exposure

Not dangerous based on raw material data.

#### Aspiration hazard

Not dangerous based on raw material data.

#### Other information on acute toxicity

The following values have been calculated based on section 3.

Oral LD50 5062.00 mg/kg.

Skin LD50 2644.00 mg/kg.

#### Product information

Product does not contain any ingredients causing acute adverse health effects based on available data.

#### Inhalation

Inhalation of mist/vapor may cause irritation, headache and respiratory difficulties.

#### Eye

Not expected to cause eye irritation.

#### Skin

May cause skin sensitization.

#### Ingestion

Nausea (indefinite feeling of discomfort).

## 12. ECOLOGICAL INFORMATION

### Toxicity

#### Aquatic toxicity

Not expected to cause adverse effects on aquatic organisms.

#### Toxicity to other organisms

Not known.

### Persistence and degradability

#### Biodegradation

Not easily biodegradable.

#### Chemical degradation

Not applicable.

### Bioaccumulative potential

Not bioaccumulative.

### Mobility in soil

Adsorbs into the soil.

### Results of PBT and vPvB assessment

This product is not or does not contain any ingredient which is classified as PBT or vPvB.

### Other adverse effects

Adverse effects not expected.

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## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Dispose of waste oil, packages or containers in accordance with the waste management plan accepted by the waste management authority. Contact the local environmental authority for information on local waste management. Waste code 13 08 99.

## 14. TRANSPORT INFORMATION

<b>UN number</b>	None.
<b>UN proper shipping name</b>	None.
<b>Transport hazard class(es)</b>	Not classified.
<b>Packing group</b>	Not regulated.
<b>Environmental hazards</b>	Not applicable.
<b>Special precautions for users</b>	None.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not classified.

## 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Water hazard classification (WGK) = 1.

## 16. OTHER INFORMATION

### Key literature references and sources for data

Safety data sheets of raw materials.

### Training advice

This information must be available to all those who work with this product. This safety data sheet is based on current knowledge and is meant to answer questions about the product's impact on health, safety and the environment. The information in this data sheet must not be used to draw conclusions on performance or applications of the product.

### Additional information available from:

Sandvik Mining and Construction Oy, tel. +358 205 44 151