

Special Tool Grease

Date: 24.4.2013

Previous date: 28.4.2010

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**

Lubricating grease.

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
Website www.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 product is not classified as dangerous according to current legislation (67/548/EEC or 1999/45/EC).

Label elements

None.

Other hazards

Long-term or repeated skin contact may irritate skin and cause dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixtures**

Does not contain any materials which are classified according to current legislation.

Other information

DMSO extract <3%.

4. FIRST AID MEASURES**Description of first aid measures****Inhalation**

Move to fresh air in case of accidental inhalation of vapors or mists. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water and remove contaminated clothing.

Eye contact

Rinse with plenty of water. If eye irritation persists, call a physician.

Ingestion

DO NOT INDUCE VOMITING! Patient's mouth needs to be flushed with water and then taken to physician. (Aspiration into the lungs may cause chemical pneumonia).

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Most important symptoms and effects, both acute and delayed

Long-term or repeated skin contact may irritate the skin and cause dermatitis.

Indication of immediate medical attention and special treatment needed

Remove contaminated clothing. Wash off immediately with soap and plenty of water.

5. FIREFIGHTING MEASURES**Extinguishing media****Suitable extinguishing media**

Foam, powder or carbon dioxide.

Extinguishing media which must not be used for safety reasons

Waterspray.

Special hazards arising from the substance or mixture

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

Advice for firefighters

Must use breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Handling and protection instructions are listed sections 7 and 8.

Environmental precautions

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

Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material; e.g., sand, earth. Place in container for disposal according to local regulations.

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 of disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Use only in well-ventilated areas. Avoid breathing of mists/vapors and repeated skin contact.

When handling drums use special safety shoes.

Static accumulator: This material is a static accumulator. To minimize risk, grounding might be used.

Conditions for safe storage, including any incompatibilities

Store in a dry, well ventilated place tightly closed and only in original packages.

Specific end use(s)

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Threshold limits**Oil mist 5 mg/m³ (8 h)**Exposure controls****Individual protection measures****Respiratory protection**

In case of inadequate ventilation, acceptable breathing apparatus must be used (A1P1 or A2P2).

Hand protection

Gloves must be used (PVC or nitrile rubber). Gloves must be changed regularly.

Eye/face protection

Wear eye protection if needed.

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Skin protection

Protective clothing is recommended if skin contact or contamination of clothing is likely.

Environmental exposure controls

Do not discharge into the soil, water or drainage systems.

9. PHYSICAL AND CHEMICAL PROPERTIES**Important health safety and environmental information****Appearance**

Black grease

Odor

Not applicable

Odor threshold

Not applicable

pH

Not applicable

Melting point/freezing point

Not applicable

Initial boiling point and boiling range

Not applicable

Flash point

>150 °C

Evaporation rate

Not applicable

Flammability (solid, gas)

Not applicable

Explosive properties**Lower explosion limit**

Not applicable

Upper explosion limit

Not applicable

Vapor pressure

Not applicable

Vapor density

Not applicable

Relative densityAbout 1000 kg/m³**Solubility(ies)****Water solubility**

Insoluble

Partition coefficient: n-octanol/water

Not applicable

Auto-ignition temperature

Not applicable

Decomposition temperature

Not applicable

ViscosityAbout 320 mm²/s (cSt) @ 40 °C**Explosive properties**

Not applicable

Oxidizing properties

Not applicable

Other information

None

10. STABILITY AND REACTIVITY**Reactivity**

No information about reactivity.

Chemical stability

Stable under recommended handling and storage conditions.

Possibility of hazardous reactions

Will not occur.

Conditions to avoid

Keep away from fire, sparks and hot surfaces.

Incompatible materials

Strong acids and oxidizing materials.

Hazardous decomposition products

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

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute toxicity**

Not applicable.

Irritation and corrosion

The product may cause mild irritation on skin and in eyes. Oil mist irritates eyes and respiratory system.

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Sensitization

Not applicable.

Subacute, subchronic and prolonged toxicity

None.

STOT-single exposure

Not applicable.

STOT-repeated exposure

Long-term or repeated skin contact may cause skin irritation and dermatitis.

Aspiration hazard

Aspiration to lungs may cause chemical pneumonia.

Other information on acute toxicity

Used greases may contain harmful ingredients which are accumulated to the product during usage. These ingredients may be harmful to the health and/or to the environment during disposal. All used greases must be handled with care and skin contact must be avoided by all possible means.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity

The product is not classified as dangerous to the environment according to current legislation.

Toxicity to other organisms

Not known.

Persistence and degradability

Biodegradation

Not applicable.

Chemical degradation

Not applicable.

Bioaccumulative potential

Not applicable.

Mobility in soil

Not applicable.

Results of PBT and vPvB assessment

Not applicable.

Other adverse effects

Not known.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal according to local authority requirements.

14. TRANSPORT INFORMATION

UN number

None

UN proper shipping name

None

Transport hazard class(es)

Not classified

Packing group

None

Environmental hazards

Not known

Special precautions for users

Not known

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION

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

Material safety data sheet meets the requirements of (EU) N:o 1907/2006.

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Chemical safety assessment

Chemical safety report has not been made.

16. OTHER INFORMATION

Key literature references and sources for data

SDS/2010

Additional information available from:

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