



SAFETY DATA SHEET

SAPPHIRE 2, 1 & 000

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Compilation date: 11/07/2014

Revision No: 5

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: SAPPHIRE 2, 1 & 000

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

Use of substance / mixture: Lubricating Grease

1.3. Details of the supplier of the safety data sheet

Company name: ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

Tel: +44 (0) 113 232 2700

Fax: +44 (0) 113 232 2740

Email: customer-service@rocol.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 113 232 2600

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

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LUBRICATING OILS (LESS THAN 3% DMSO EXTRACT)

EINECS	CAS	CHIP Classification	CLP Classification	Percent
278-012-2	74869-22-0	-: Substance with a Community workplace exposure limit.	-	30-50%

SOLVENT REFINED BASE OIL (LESS THAN 3% DMSO EXTRACT)

265-101-6	64742-01-4	Substance with a Community workplace exposure limit.	-	10-30%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: No data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray to cool containers. Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

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6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

LUBRICATING OILS (LESS THAN 3% DMSO EXTRACT)

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	5mg/m ³	10mg/m ³	-	-

SOLVENT REFINED BASE OIL (LESS THAN 3% DMSO EXTRACT)

EU	5 mg/m ³	10 mg/m ³	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Not applicable.

Respiratory protection: Respiratory protection not normally required.

Hand protection: Nitrile gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Environmental: No special requirement.

[cont...]

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Paste

Colour: Blue

Odour: Odourless

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Highly viscous

Melting point/range°C: > 230

Flash point°C: > 200

Autoflammability°C: > 200

Relative density: < 1

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

[cont...]

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Delayed / immediate effects: No data available.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Only slightly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Non-volatile. Absorbed only slowly into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Recommendations for disposal based on material in the state in which it is delivered.

Disposal must comply with the relevant laws and regulations, and material characteristics at time of disposal .

Suitable methods DISPOSAL :

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. INFORMATION FOR WASTE MANAGEMENT :

Waste Code: 12 01 12

NOTE : These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use . Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the (s) code (s) of waste disposal.

Waste from this product is considered hazardous in accordance with the Waste Act No. 185/2001 Coll. as amended, and is subject to the provisions of the present law. Act No. 185/2001 Coll., On waste

Decree No. 381/2001 Coll. Establishing the Waste Catalogue, List of Hazardous Waste and waste lists of countries for export purposes, import and transit of waste and the procedure for granting permission for export, import and transit of waste

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Decree No. 383/2001 Coll., On details of waste management

Decree No. 384/2001 Coll., On details of waste PCB

Decree No. 376/2001 Coll., On classification of hazardous waste properties

Waste code number: 12 01 12

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Regulations concerning safety , health and environmental regulations / legislation specific for the substance or mixture

Act No. 250/2011 Coll . on chemical substances and chemical preparations, as amended.

Act No. 185/2001 Coll . on waste, as amended.

EC Regulation 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals , as amended. EC Regulation 134/2009 amending Regulation of the European Parliament and Council Regulation (EC) No 1907/ 2006 concerning the Registration , Evaluation, Authorisation and Restriction of Chemicals , as regards Annex XI , as amended.

EC Regulation 453/2010 amending Regulation (EC) No 1907 /2006.

Regulation of the European Parliament and Council Regulation (EC) 1272/2008 on classification, labeling and packaging of substances and mixtures, as amended.

Government Regulation No. 361/2007 laying down the conditions for the protection of health at work , as amended.

Decree No. 350/2011 , which implements certain provisions of the Act on chemical substances and chemical preparations and

amendment of certain laws relating to the classification , packaging and labeling of dangerous chemical substances and

products, as amended by Decree No. 369/2005 Coll . , No. 28/2007 Coll . and No. 389/2008 Coll

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

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Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Compiled in accordance with REACH.

Phrases used in s.2 and s.3: None

Legend to abbreviations: PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.