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

1.1 Product

MoS2 grease 90g
Article number: 104 443

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

1.2.1 Relevant uses

Lubricant

1.3 Details of the supplier of the safety data sheet

Company

Hans Pries GmbH & Co.KG
Im Lekkerland 1
27777 Ganderkesee
Germany
topran@pries.de
www.pries.de

1.4 Emergency Phone

Emergency Phone	Type of assistance	Opening Hours
112	European emergency number	24 hours

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

No classification

2.2 Label elements

The product does not require a hazard warning label in accordance with GHS/CLP-directives.

Hazard pictograms none

Signal word none

Hazard statements none

Precautionary statements none

2.3 Other hazards

Other hazards No particular hazards known.

SECTION 3: Composition / Information on ingredients

3.1 Product-type:

The product is a mixture.

Comment on component parts

No dangerous components
Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion Seek medical advice immediately.
Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

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

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media foam, dry powder, water spray jet, carbon dioxide

Extinguishing media that must not be used Full water jet

5.2 Special hazards arising from substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)
Sulphur oxides (SOx)
Nitrogen oxides (Nox)

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.
Forms slippery surfaces with water.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures necessary if used correctly.

Do not eat, drink or smoke when using this product.
Use barrier skin cream.
Wash hands before breaks and after work.
Cloths contaminated with product should not be kept in trouser pockets.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash befor reuse.

7.2 Conditions for safe storage, including any incompatibilities

Kept only in original container.
Prevent penetration into the ground.

Do not store together with food and animal food/diet.
Do not store together with oxidizing agents.

Keep container tightly closed.
Keep in a cool place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

not applicable

8.2 Exposure controls

Additonal advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA´s list of hazardous substances.
Eye protection	If there is a risk of splashing: safety glasses (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. > 0,3 mm; Nitrile rubber, >480min (EN 374-1/-2/-3).
Skin protection	light protective clothing
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin.
Respiratory protection	Not required under normal conditions.
Thermal hazards	No information available.
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Color	black
Odor	mild
Odour threshold	not applicable
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	> 100
Flammability (solid, gas) [°C]	No information available.
Lower explosion limit	No information available.
Upper exlosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	~ 0,9 (20°C / 68,0°F)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	> 20,5 mm²/s (40°C)
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	No information available.

9.2 Other information

Drop point: 190

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

10.4 Conditions to avoid

Sensitive to moisture.

10.5 Incompatible materials

Oxidizing agent

10.6 Hazardous decomposition products

No hazardous decomposition product known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
oral, based on the available information, the classification criteria are not fulfilled:
inhalative, based on the available information, the classification criteria are not fulfilled:
dermal, based on the available information, the classification criteria are not fulfilled:

Serious eye damage/irritation	Based on the available information, the classification criteria are not fulfilled.
Skin corrosion/irritation	Based on the available information, the classification criteria are not fulfilled.
Respiratory or skin sensitisation	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — repeated exposure	Based on the available information, the classification criteria are not fulfilled.
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	Based on the available information, the classification criteria are not fulfilled.
Aspiration hazard	Based on the available information, the classification criteria are not fulfilled.
General remarks	Toxicological data of complete product are not available.

SECTION 12: Ecological information

12.1 Toxicity

Product
Based on the available information, the classification criteria are not fulfilled:

12.2 Persistence and degradability

Behaviour in environment compartmens	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Result of PBT and vPvB assessment

Based on all available information not to be classified as PBT oder vPvB respectively.

12.6 Other adverse effects

Ecotoxicological data are not available.

Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Coordinate disposal with the authorities if necessary.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 120112* spent waxes and fats

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (ADN)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS “DANGEROUS GOODS”
Air transport in accordance with IATA	NOT CLASSIFIED AS “DANGEROUS GOODS”

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.4 Packaging group

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017)
NATIONAL REGULATIONS (GB)	EH40/2005 Workplace exposure limits (Second edition, published December 2011) CHIP 3/ CHIP 4
- Observe employment restrictions for people	no
- VOC (2010/75/CE)	not applicable

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Abbreviations and acronyms:

ADR	=	Accord européen relatif au transport international des marchandises dangereuses par Route
RID	=	Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN	=	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE	=	Acute Toxicity Estimate
CAS	=	Chemical Abstracts Service
CLP	=	Classification, Labelling and Packaging
DMEL	=	Derived Minimum Effect Level
DNEL	=	Derived No Effect Level
EC50	=	Median effective concentration
ECB	=	European Chemicals Bureau
EEC	=	European Economic Community
EINECS	=	European Inventory of Existing Commercial Chemical Substances
ELINCS	=	European List of Notified Chemical Substances
GHS	=	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	=	International Air Transport Association
IBC-Code	=	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50	=	Inhibition concentration, 50%
IMDG	=	International Maritime Code for Dangerous Goods
IUCLID	=	International Uniform Chemical Information Database
LC50	=	Lethal concentration, 50%
LD50	=	Median lethal dose
LC0	=	Lethal concentration, 0%
LOAEL	=	lowest-observed-adverse-effect level
MARPOL	=	International Convention for the Prevention of Marine Pollution from Ships
NOAEL	=	No Observed Adverse Efffect Level
NOEC	=	No Observed Effect Concentration
PBT	=	Persistent, Bioaccumulative and Toxic substance
PNEC	=	Predicted No-Effect Concentration
REACH	=	Registration, Evaluation, Authorisation and Restriction of Chemicals
STP	=	Sewage Treatment Plant
TLV®/TWA	=	Threshold limit value — time-weighted average
TLV®/STEL	=	Threshold limit value — short-time exposure limit
VOC	=	Volatile Organic Compounds
vPvB	=	very Persistent and very Bioaccumulative

16.2 Other information

Classification procedure

Modified position none