

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : METAFLUX 71-30 Heisschrauben Compound (Keramikpaste)
Revision date : 25.02.2021 Version (Revision) : 2.0.0 (1.1.1)
Print date : 14.02.2022

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

1.1 Product identifier

METAFLUX 71-30 Heisschrauben Compound (Keramikpaste)

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

Relevant identified uses

PC 24 - Lubricants, greases, release products

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Techno-Service GmbH

Street : Detmolder Str. 515

Postal code/city : D-33605 Bielefeld

Telephone : +49 521 92444 0

Telefax : +49 521 207432

Information contact : verkauf@metaflux.de

1.4 Emergency telephone number

+49(0)70024112112 or +1 872 5888271 (TSF) 24h

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

None

2.2 Label elements

None

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

None

Further ingredients

WHITE MINERAL OIL (PETROLEUM) ; REACH No. : 01-2119487078-27-XXXX ; EC No. : 232-455-8; CAS No. : 8042-47-5

Weight fraction : $\geq 55 - < 60$ %

TITANIUM DIOXIDE ; REACH No. : 01-2119489379-17-XXXX ; EC No. : 236-675-5; CAS No. : 13463-67-7

Weight fraction : $\geq 40 - < 45$ %

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

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.

Following inhalation

In case of respiratory tract irritation, consult a physician.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

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Protect uninjured eye. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let 1 glass of water be drunken in little sips (dilution effect). Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water Foam Extinguishing powder Carbon dioxide (CO₂) Sand Nitrogen Extinguishing blanket

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated: Carbon monoxide , Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Wash with plenty of water. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

Keep/Store only in original container. Protect against : Frost .

Hints on joint storage

Storage class (TRGS 510) : 12

7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5

Limit value type (country of origin) : TRGS 900 (D)
Parameter : A: respirable fraction
Limit value : 5 mg/m³
Peak limitation : 4(II)
Remark : DFG, Y
Version : 12.05.2020

TITANIUM DIOXIDE ; CAS No. : 13463-67-7

Limit value type (country of origin) : STEL (D)
Parameter : A: respirable fraction
Limit value : 2,4 mg/m³
Remark : 15 min. average, except fine part./dens.
Version : 25.02.2021

Limit value type (country of origin) : TWA (D)
Parameter : A: respirable fraction
Limit value : 0,3 mg/m³
Remark : DFG; except ultrafine part., density
Version : 25.02.2021

8.2 Exposure controls

Personal protection equipment

Eye/face protection



Wear suitable safety goggles in case of splash.

Suitable eye protection
EN 166.

Skin protection

Hand protection



Suitable gloves type : EN 374.

Suitable material : NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 min.

Thickness of the glove material : 0.4 mm

Remark : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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.

General information

Do not put any product-impregnated cleaning rags into your trouser pockets. Do not put any product-impregnated cleaning rags into your trouser pockets. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. P362+P364 - Take off contaminated clothing and wash it before reuse. P264 - Wash hands thoroughly after handling.

8.3 Additional information

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Paste

Colour : white

Odour

characteristic

Safety characteristics

Initial boiling point and boiling range (1013 hPa)

:

not applicable

Flash point :

not relevant

Auto-ignition temperature :

not relevant

Lower explosion limit :

not relevant

Upper explosion limit :

not relevant

Vapour pressure : (50 °C)

not relevant

Density : (20 °C)

approx.

1,3 g/cm³

pH :

not applicable

Maximum VOC content (EC) :

0 Wt %

Maximum VOC content (Switzerland)

0 Wt %

:

9.2 Other information

No further relevant information available.

SECTION 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 known hazardous reactions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

None

Corrosion

Skin corrosion/irritation

No further relevant information available.

Serious eye damage/eye irritation

No further relevant information available.

Respiratory or skin sensitisation

Skin sensitisation

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Sensitisation to the respiratory tract

No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No further relevant information available.

Germ cell mutagenicity

No further relevant information available.

Reproductive toxicity

No further relevant information available.

STOT-single exposure

No further relevant information available.

STOT-repeated exposure

No further relevant information available.

Aspiration hazard

No further relevant information available.

11.2 Information on other hazards

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Other adverse effects

Frequently or prolonged contact with skin may cause dermal irritation.

Additional information

Preparation not tested. The statement is derived from the properties of the single components.

SECTION 12: Ecological information

12.1 Toxicity

None

12.2 Persistence and degradability

Biodegradation

Parameter :	Biodegradation (WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5)
Inoculum :	Biodegradation
Degradation rate :	31,3 %
Test duration :	28 D
Evaluation :	Not readily biodegradable (according to OECD criteria)
Method :	OECD 301F

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

Do not allow uncontrolled discharge of product into the environment.

12.8 Additional ecotoxicological information

According to the recipe, contains no AOX.

SECTION 13: Disposal considerations

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

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industry and process. List of proposed waste codes/waste designations in accordance with EWC

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Waste codes/waste designations according to EWC/AVV

13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils.

SECTION 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 transport as bulk according to IBC Code.

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions of occupation

None

National regulations

Strfallverordnung

Not subject to StrfallVO.

Water hazard class (WGK)

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

15.2 Chemical safety assessment

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

SECTION 16: Other information

16.1 Indication of changes

02. Label elements · 03. Further ingredients · 08. Occupational exposure limit values

16.2 Abbreviations and acronyms

ADR: Accord europen sur le transport des marchandises dangereuses par Route (Europisches bereinkommen ber die Befrderung gefhrlicher Gter auf der Strae)
AOX: adsorbierbare organisch gebundene Halogene
AwSV: Verordnung ber Anlagen zum Umgang mit wassergefhrdenden Stoffen
CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society)
CLP: Verordnung (EG) Nr. 1272/2008 ber die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)
EAK / AVV: europischer Abfallartenkatalog / Abfallverzeichnis-Verordnung

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ECHA: Europische Chemikalienagentur (European Chemicals Agency)
EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)
GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien (Globally Harmonized System of Classification and Labelling of Chemicals)
IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)
ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)
IMDG: Gefahrgutkennzeichnung fr gefhrliche Gter im Seeschiffverkehr (International Maritime Code for Dangerous Goods)
RID: Regelung zur internationalen Befrderung gefhrlicher Gter im Schienenverkehr (Rglement concernant le transport international ferroviaire de marchandises dangereuses)
TRGS: Technische Regel fr den Umgang mit Gefahrstoffen
VbF: Verordnung ber brennbare Flssigkeiten
VOC: flchtige organische Verbindung (volatile organic compound)
VwVwS: Verwaltungsvorschrift wassergefhrender Stoffe
WGK: Wassergefhrungsklasse

16.3 Key literature references and sources for data

DGUV: GESTIS-Stoffdatenbank
ECHA: Classification And Labelling Inventory
ECHA: Pre-registered Substances
ECHA: Registered Substances
EC: Safety Data Sheet of Suppliers
ESIS: European Chemical Substances Information System
GDL: Gefahrstoffdatenbank der Lnder
UBA Rigoletto: Wassergefhrende Stoffe
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

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

No information available.

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

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
