SAFETY DATA SHEET



Version #: 01

Issue date: 03-17-2025

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

1.1. Product identifier

Trade name or designation

FUCHS TIM PUTTY 5W

of the mixture

Synonyms None.

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

Identified uses Thermal Conductive Gap Filler

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name FUCHS LUBRICANTS GERMANY GmbH

Address Friesenheimer Str. 19

68169 Mannheim Germany

Telephone +49 621 3701-0

E-mail produktsicherheit-FLG@fuchs.com

Emergency telephone

number

+1 760 476 3962

Access Code 334212

Manufacturer Nye Lubricants, Inc. A member of the FUCHS Group

www.nyelubricants.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms None.

Signal word None.

Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information EUH210 - Safety data sheet available on request.

2.3. Other hazards This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

(EC) No 1907/2006, Annex XIII. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a

concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Material name: FUCHS TIM PUTTY 5W SDS PORTUGAL

General information

Chemical name % CAS-No. / EC No. REACH Registration No. **Notes** Index No.

< 0.2 68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 270-128-1

Classification: Repr. 2;H361f

90 - 100 Other components below reportable

levels

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Union workplace exposure limit(s).

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The full text for all H-statements is displayed in section 16. Composition comments

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms

and effects, both acute and

delayed

Exposure may cause temporary irritation, redness, or discomfort.

4.3. Indication of any Treat symptomatically.

immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing

media

Powder. Dry sand.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective

equipment for firefighters

Special fire fighting

procedures

Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

|SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Wear appropriate personal protective equipment.

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. For emergency responders

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS. 6.4. Reference to other

sections

SECTION 7: Handling and storage

7.1. Precautions for safe Observe good industrial hygiene practices

handling

Material name: FUCHS TIM PUTTY 5W SDS PORTUGAL

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7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the

Storage class (TRGS 510): 11 (Combustible solids that cannot be assigned to any of the above

1 mg/m3

storage classes)

7.3. Specific end use(s) Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796-2014)			
Components	Туре	Value	Form
ALUMINIUM OXIDE (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.

Biological limit values

Aluminium powder (stabilised) (CAS 7429-90-5)

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Follow standard monitoring procedures.

TWA

Derived no effect levels (DNELs)

Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

Occupational Exposure Limits are not relevant to the current physical form of the product.

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been

established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in

discussion with the supplier of the personal protective equipment.

Wear safety glasses with side shields (or goggles). Eye/face protection

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

- Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.





Always observe good personal hygiene measures, such as washing after handling the material Hygiene measures

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

Environmental exposure

controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to

acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid. Solid. Paste. **Form** Colour Grey.

Not available. Odour Melting point/freezing point Not available. Boiling point or initial boiling Not available point and boiling range

Material name: FUCHS TIM PUTTY 5W 9124 Version #: 01 Issue date: 03-17-2025 Respirable fraction.

Not available. **Flammability**

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available. Explosive limit - upper Not available.

(%)

Not available.

Flash point **Auto-ignition temperature** Not available. Not available. **Decomposition temperature** Not available. pН Not available. Kinematic viscosity

Solubility

Not available. Solubility (water) Not available. **Partition coefficient**

(n-octanol/water) (log value)

Vapour pressure Not available. Not available. Density and/or relative density Not available. Vapour density Not available. Particle characteristics

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No relevant additional information available.

9.2.2. Other safety characteristics

Shelf life 5 years 2 Specific gravity

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Contact with incompatible materials. Acids. Strong oxidising agents. Chlorine. 10.5. Incompatible materials

No hazardous decomposition products are known. 10.6. Hazardous

decomposition products

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected. Skin contact No adverse effects due to skin contact are expected. Direct contact with eyes may cause temporary irritation. Eye contact

May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of Ingestion

occupational exposure.

Symptoms Exposure may cause temporary irritation, redness, or discomfort.

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

No data available. Acute toxicity

Due to partial or complete lack of data the classification is not possible. Skin corrosion/irritation Serious eye damage/eye Due to partial or complete lack of data the classification is not possible.

Respiratory sensitisation

Due to partial or complete lack of data the classification is not possible. Due to partial or complete lack of data the classification is not possible. Skin sensitisation Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible. Due to partial or complete lack of data the classification is not possible. Carcinogenicity Due to partial or complete lack of data the classification is not possible. Reproductive toxicity Specific target organ toxicity -Due to partial or complete lack of data the classification is not possible.

single exposure

irritation

Specific target organ toxicity -

repeated exposure

Due to partial or complete lack of data the classification is not possible.

Aspiration hazard

Due to partial or complete lack of data the classification is not possible.

Mixture versus substance

information

No information available.

11.2. Information on other hazards

Endocrine disrupting

properties

This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than

0.1% by weight.

Other information Not available.

SECTION 12: Ecological information

Based on available data, the classification criteria are not met for hazardous to the aquatic 12.1. Toxicity

environment.

12.2. Persistence and

degradability

No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow) Not available.

Bioconcentration factor (BCF)

Not available No data available.

12.4. Mobility in soil

12.5. Results of PBT and vPvB

assessment

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

(EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting

properties

This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than

0.1% by weight.

12.7. Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local regulations. Empty containers or liners may retain some Residual waste

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number

14.2. UN proper shipping

Not regulated as dangerous goods. Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Not assigned. Class

Subsidiary hazard

Hazard No. (ADR) Not assigned. **Tunnel restriction code** Not assigned.

14.4. Packing group

14.5. Environmental hazards No.

14.6. Special precautions

Not assigned.

for user RID

14.1. UN number

Not regulated as dangerous goods.

14.2. UN proper shipping

Not regulated as dangerous goods.

name

Material name: FUCHS TIM PUTTY 5W

SDS PORTUGAL

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary hazard -14.4. Packing group -14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

ADN

14.1. UN number Not regulated as dangerous goods.14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary hazard -14.4. Packing group -14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

IATA

14.1. UN number Not regulated as dangerous goods.14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary hazard -14.4. Packing group -14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

IMDG

14.1. UN number Not regulated as dangerous goods.14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary hazard 14.4. Packing group 14.5. Environmental hazards

Marine pollutant No.

EmS Not assigned.

14.6. Special precautions Not assigned.

for user

14.7. Maritime transport in bulk Not applicable.

according to IMO instruments

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Material name: FUCHS TIM PUTTY 5W

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended - Conditions of restriction given for the associated entry number should be considered

Not listed

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Regulation 2019/1148 on Marketing and Use of Explosive Precursors, Annex I, as amended

Not listed

Regulation 2019/1148 on Marketing and Use of Explosive Precursors, Annex II, as amended

Not listed

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. Please see

https://ec.europa.eu/home-affairs/sites/homeaffairs/files/what-we-do/policies/crisis-and-terrorism/explosives/explosives-precursors/docs/list_of_competent_authorities_and_national_contact_points_en.pdf.

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as

amended.

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization. IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous

The classification for health and environmental hazards is derived by a combination of calculation

Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

 ${\sf MARPOL}: International\ Convention\ for\ the\ Prevention\ of\ Pollution\ from\ Ships.$

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TWA: Time Weighted Average.

vPvB: Very persistent and very bioaccumulative.

References

Information on evaluation method leading to the classification of mixture

Not available.

methods and test data, if available.

Full text of any statements, which are not written out in full under sections 2 to 15

H361f Suspected of damaging fertility.

Revision information

None.

Training information

Follow training instructions when handling this material.

Disclaimer

Nye Lubricants, Inc. A Member of the FUCHS Group cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and

experience currently available.