

# Safety Data Sheet

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

(Commission Regulation (EU) 2020/878)



Product :

**perma MULTI LC 150-2 (SF01)**

Revision Date: 02.01.2024

Version : 5.0

Print Date: 02.01.2024

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

### 1.1. Product identifier

**Trade name or designation of the mixture** perma MULTI LC 150-2 (SF01)  
(Previous name: perma Multipurpose grease SF01)

**Registration number**

**Synonyms**

-  
None.

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

**Identified uses** Lubricant grease

**Uses advised against** Not available.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

**Company name** perma-tec GmbH & Co. KG  
**Address** Hammelburger Straße 21  
97717 EUERDORF  
GERMANY

**Telephone** Tel.: +49 9704 609-0

Fax: +49 9704 609-50

**e-mail** [msds@perma-tec.com](mailto:msds@perma-tec.com)

**Contact person**

**1.4. Emergency telephone number** +49 9704 609-99 (Mo-Th 8:00-16:30, Fr 08:00-12:00)

## 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 is not classified as hazardous according to the criteria for classification of the 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.

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**Supplemental label information** None.

**2.3. Other hazards** This mixture does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.

## SECTION 3: Composition/information on ingredients

### Mixture

The components are not hazardous or are below required disclosure limits

#### List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008. "-" = Not available or this substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

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

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

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

**Composition comments** Occupational Exposure Limits for constituents are listed in Section 8. The full text for all H-statements is displayed in section 16.

- Contains : Mineral oil  
DMSO Extract < 3% according to IP 346 Method.

## 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** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**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 thoroughly. If swallowed, do NOT induce vomiting. Get medical attention if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

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

## SECTION 5: Firefighting measures

**General fire hazards** Will burn if involved in a fire. No unusual fire or explosion hazards noted.

### 5.1. Extinguishing media

**Suitable extinguishing media** Foam. Dry chemicals. Carbon dioxide (CO<sub>2</sub>). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**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** See also section 10.

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## 5.3. Advice for firefighters

### Special protective equipment for firefighters

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

### Special fire fighting procedures

In case of fire and/or explosion do not breathe fumes. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

### Specific methods

In the event of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Wear appropriate personal protective equipment.

#### For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS. Use personal protection recommended in Section 8 of the SDS.

### 6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Avoid discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk.

### 6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

To avoid thermal decomposition, do not overheat. Avoid prolonged or repeated contact with skin. Wash hands after handling. Handle in accordance with good industrial hygiene and safety practices. Adequate ventilation should be provided so that exposure limits are not exceeded.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Store in closed original container in a dry place. Store away from incompatible materials (see Section 10 of the SDS). Store away from incompatible materials (see Section 10 of the SDS).

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

No exposure limits noted for ingredient(s).

#### Biological limit values

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

#### Recommended monitoring procedures

Follow standard monitoring procedures.

#### 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

Ensure adequate ventilation, especially in confined areas.

#### 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.

##### Eye/face protection

Chemical goggles are recommended.

##### Skin protection

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- **Hand protection** Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC).
  - **Other** Normal work clothing (long sleeved shirts and long pants) is recommended.
  - Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.
  - Thermal hazards** Wear appropriate thermal protective clothing, when necessary.
- Hygiene measures** Wash hands after handling. Handle in accordance with good industrial hygiene and safety practices.
- 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.

## Occupational exposure limits

### France

#### Components

Residual oils (petroleum), solvent-dewaxed (CAS 64742-62-7)

#### Type

VLE

#### Value

10 mg/m<sup>3</sup>

VME

5 mg/m<sup>3</sup>

### France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

#### Components

Calcium carbonate (CAS 471-34-1)

#### Type

VME

#### Value

5 mg/m<sup>3</sup>

#### Form

Respirable fraction.

**Regulatory status:** Regulatory binding (VRC)

10 mg/m<sup>3</sup>

**Regulatory status:** Indicative limit (VL)

10 mg/m<sup>3</sup>

Inhalable fraction.

**Regulatory status:** Regulatory binding (VRC)

## Recommended monitoring procedures

**Additional exposure data** Occupational Exposure Limits are not relevant to the current physical form of the product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

##### Physical state

Solid.

##### Form

Solid. Paste.

##### Colour

Blonde. to Brown

#### Odour

Oily.

#### Odour threshold

Not available.

#### pH

Not applicable.

#### Melting point/freezing point

Not available.

#### Initial boiling point and boiling range

Not available.

#### Flash point

> 220.0 °C (> 428.0 °F) Open cup

#### Evaporation rate

Not available.

#### Flammability (solid, gas)

Not available.

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## Upper/lower flammability or explosive limits

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

**Explosive limit – upper ( %)** Not available.

**Vapour pressure** Not available.

**Vapour density** Not available.

**Relative density** 0.94

**Relative density temperature** 20 °C (68 °F)

## Solubility(ies)

**Solubility (water)** Insoluble.

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

**Auto-ignition temperature** > 250 °C (> 482 °F)

**Decomposition temperature** Not available.

**Viscosity** Not applicable.

**Explosive properties** Not available.

**Oxidising properties** Not oxidising.

## 9.2. Other information

**Dropping point** > 160 °C

## 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** Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials. Eliminate all sources of ignition.

**10.5. Incompatible materials** Acids. Strong oxidising agents. Fluorine.

**10.6. Hazardous decomposition products** No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity** Elevated temperatures or mechanical action may form vapours, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhoea.

**Skin corrosion/irritation** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Serious eye damage/eye irritation** Not classified.

**Respiratory sensitisation** Not classified.

**Skin sensitisation** Not classified.

**Germ cell mutagenicity** Not classified.

**Carcinogenicity** Not classified.

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<b>Reproductive toxicity</b>	Not classified.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Mixture versus substance information</b>	No information available.

## SECTION 12: Ecological information

<b>12.1. Toxicity</b>	Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
<b>12.2. Persistence and degradability</b>	Not available.
<b>12.3. Bioaccumulative potential</b>	
<b>12.4. Mobility in soil</b>	No data available.
<b>Mobility in general</b>	The product is immiscible with water and will spread on the water surface
<b>12.5. Results of PBT and vPvB assessment</b>	This mixture does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.
<b>12.6. Other adverse effects</b>	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

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>EU waste code</b>	Waste codes should be assigned by the user based on the application for which the product was used. Unused product : 16 03 06
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

14.1. - 14.6.: Not regulated as dangerous goods.

### RID

14.1. - 14.6.: Not regulated as dangerous goods.

### ADN

14.1. - 14.6.: Not regulated as dangerous goods.

### IATA

14.1. - 14.6.: Not regulated as dangerous goods.

### IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

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**14.7. Transport in bulk** Not applicable.  
**according to Annex II of**  
**MARPOL 73/78 and the IBC**  
**Code**

## SECTION 15: Regulatory information

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

#### Retained direct 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.

**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**

Not listed.

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

#### 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.

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

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

ADR: European 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: Intermediate Bulk Container.

IMDG: International Maritime Dangerous Goods.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative, 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.

Not available.

## References

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

### Full text of any H-statements not written out in full under Sections 2 to 15

None.

### Revision information

None.

### Training information

Follow training instructions when handling this material.

perma-tec 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. This document complements the technical sheets but does not replace them. The information contained herein is based on our knowledge of the concerned product on the date indicated. It is offered in good faith. Furthermore, the regulatory requirements referred to must not be considered as exhaustive. They do not exempt in any form the user from knowing and applying all regulations related to the possession and use of the product. The user takes as their sole responsibility the implementation of precautions relating to storage and their use of the product.