

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: ND Damp Champ 2.5 wt

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

Identified uses: Hydraulic fluid

Uses advised against: No uses advised against identified. No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Supplier: N. Duarte Unipessoal Lda
Rua Ribeira de Caceira, 14
3090-398 Figueira da Foz, Portugal

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Contact for request of safety data sheets

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1.4 Emergency telephone number: +351 233 425 265 (Mo - Fr 08h00 - 16h00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

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

Health Hazards

Aspiration Hazard

Category 1

H304: May be fatal if swallowed and enters airways.

Product name: ND Damp Champ 2.5 wt

Hazard summary

Physical Hazards: Can form flammable vapour-air mixtures during the application.

Health Hazards

Ingestion: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

2.2 Label Elements

Contains: Base oil, low viscous
Hydrocarbons, low viscosity



Signal Words: Danger

Hazard Statement(s): H304: May be fatal if swallowed and enters airways.

Precautionary Statements

Response: P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331: Do NOT induce vomiting.

Supplemental label information

EUH066: Repeated exposure may cause skin dryness or cracking.

2.3 Information on other hazards

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

General information: Mixture based on severely refined mineral base oils with corrosion preventive agents and volatile hydrocarbons.

Product name: ND Damp Champ 2.5 wt

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Base oil, low viscous	EINECS: 232-455-8	50,00% - <100,00%	01-2119487078-27	
Hydrocarbons, low viscosity	EINECS: 926-141-6	20,00% - <50,00%	01-2119456620-43	
Toluene	EINECS: 203-625-9	0,10% - <1,00%	01-2119471310-51	

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

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Base oil, low viscous	EINECS: 232-455-8	CLP: Asp. Tox. 1;H304
Hydrocarbons, low viscosity	EINECS: 926-141-6	CLP: Asp. Tox. 1;H304 EUH066
Toluene	EINECS: 203-625-9	CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Repr. 2;H361d, STOT RE 2;H373, Skin Irrit. 2;H315, STOT SE 3;H336

CLP: Regulation No. 1272/2008.

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Note L of Annex VI of Regulation EC 1272/2008."

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with water and soap; pay attention: skin degreasing product.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. Headache.

4.3 Indication of any immediate medical attention and special treatment needed Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool.

5.1 Extinguishing media

Product name: ND Damp Champ 2.5 wt

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture: Can form explosive vapor-air mixtures at higher temperatures.

5.3 Advice for firefighters

Special fire-fighting procedures: Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: In case of spills, beware of slippery floors and surfaces. Keep away from sources of ignition - No smoking.

6.2 Environmental Precautions: Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

6.4 Reference to other sections: See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Use only in well-ventilated areas. Risk of vapor concentration on the floor and in low-lying areas. Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities: Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed. The precautions for storing and handling of flammable liquids have to be kept. Local regulations for common storage of flammable liquids have to be followed. Do not heat up to temperatures close to the flash point.

7.3 Specific end use(s): Not applicable

Product name: ND Damp Champ 2.5 wt

Storage Class: 10, Combustible liquids

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Base oil, low viscous	AGW	5 mg/m ³	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (09 2015)
Toluene	TWA	50 ppm 192 mg/m ³	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
Toluene	STEL	100 ppm 384 mg/m ³	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
Toluene	AGW	50 ppm 190 mg/m ³	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (01 2012)

Biological Limit Values

Chemical name	Exposure Limit Values	Source
Toluene (toluene: Sampling time: End of shift.)	600 µg/l (Blood)	DE BAT (09 2013)
Toluene (o-Cresol, with hydrolysis: Sampling time: End of shift at end of work week.)	1,5 mg/l (Urine)	DE BAT (09 2013)

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. 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:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection:

Safety glasses (EN 166) recommended during refilling.

Product name: ND Damp Champ 2.5 wt**Skin protection****Hand Protection:**

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: ≥ 480 min
Recommended thickness of the material: $\geq 0,38$ mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

Thermal hazards:

Not known.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls:

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**

Physical state:	liquid
Form:	liquid
Color:	Yellow
Odor:	Characteristic
pH:	substance/mixture is non-soluble (in water)
Freezing point:	not determined
Boiling Point:	175 °C
Flash Point:	75 °C
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	not determined
Flammability Limit - Upper (%)-:	Not applicable for mixtures
Flammability Limit - Lower (%)-:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Density:	0,81 g/cm ³ (15 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	not determined

Product name: ND Damp Champ 2.5 wt

Decomposition Temperature:	not determined
Kinematic viscosity:	14 mm ² /s (40 °C)
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
Particle characteristics:	Not applicable
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Oral****Product:** Not classified for acute toxicity based on available data.**Specified substance(s)**

Base oil, low viscous LD 50 (Rat): > 5.001 mg/kg (OECD 401)

Hydrocarbons, low viscosity LD 50 (Rat): > 5.000 mg/kg (OECD 401)

Dermal**Product:** Not classified for acute toxicity based on available data.**Specified substance(s)**

Hydrocarbons, low viscosity LD 50 (Rabbit): > 5.000 mg/kg (OECD 402)

Toluene LD 50 (Rabbit): 12.124 mg/kg

Inhalation**Product:** Not classified for acute toxicity based on available data.

Product name: ND Damp Champ 2.5 wt

Skin Corrosion/Irritation:

Product: Based on available data, the classification criteria are not met.

Specified substance(s)

Base oil, low viscous OECD 404 (Rabbit):
Not irritant.

Hydrocarbons, low vis-
cosity OECD 404
Not irritant.

Serious Eye Damage/Eye Irritation:

Product: Based on available data, the classification criteria are not met.

Specified substance(s)

Base oil, low viscous OECD 405 (Rabbit):
Not irritant.

Respiratory or Skin Sensitization:

Product: Skin sensitizer: Based on available data, the classification criteria are not met.

Respiratory sensitizer: Based on available data, the classification criteria are not met.

Specified substance(s)

Base oil, low viscous No sensitizing effect (guinea pig); OECD 406

Hydrocarbons, low vis-
cosity No sensitizing effect (guinea pig); OECD 406

Germ Cell Mutagenicity

Product: Based on available data, the classification criteria are not met.

Carcinogenicity

Product: Based on available data, the classification criteria are not met.

Reproductive toxicity

Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Aspiration Hazard

Product: May be fatal if swallowed and enters airways.

11.2 Information on other hazards**Endocrine disrupting properties**

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Product name: ND Damp Champ 2.5 wt

SECTION 12: Ecological information

General information: Not applicable

12.1 Toxicity**Acute toxicity**

Product: Based on available data, the classification criteria are not met.

Fish**Specified substance(s)**

Base oil, low viscous LC 50 (Fish, 96 h): > 1.001 mg/l (OECD 203)

Hydrocarbons, low viscosity LC 50 (Fish, 96 h): 1.000 mg/l (OECD 203)

Aquatic Invertebrates**Specified substance(s)**

Base oil, low viscous EC 50 (Water Flea, 48 h): > 101 mg/l (OECD 202)

Hydrocarbons, low viscosity LC 50 (Water Flea, 48 h): > 1.000 mg/l (OECD 202)

Chronic Toxicity**Product:** Based on available data, the classification criteria are not met.

Toxicity to Aquatic Plants**Specified substance(s)**

Base oil, low viscous EC 50 (Alga, 72 h): > 1.001 mg/l

Hydrocarbons, low viscosity EC 50 (Alga, 72 h): > 1.000 mg/l (OECD 201)

12.2 Persistence and Degradability**Biodegradation**

Product: Not applicable for mixtures

Specified substance(s)

Hydrocarbons, low viscosity 69 % (28 d, OECD 301F) Readily biodegradable

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

12.4 Mobility in soil:

Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

Product name: ND Damp Champ 2.5 wt

12.6 Endocrine disrupting properties

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects: No data available.

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

European Waste Codes

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

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number: —
14.2 UN Proper Shipping Name: —
14.3 Transport Hazard Class(es)
Class: Non-dangerous goods
Label(s): —
Hazard No. (ADR): —
Tunnel restriction code: —
14.4 Packing Group: —
14.5 Environmental hazards: —
14.6 Special precautions for user: —

IMDG

14.1 UN number or ID number: —
14.2 UN Proper Shipping Name: —
14.3 Transport Hazard Class(es)
Class: Non-dangerous goods
Label(s): —
EmS No.: —
14.3 Packing Group: —
14.5 Environmental hazards: —
14.6 Special precautions for user: —

Product name: ND Damp Champ 2.5 wt

IATA

- 14.1 UN number or ID number: –
14.2 Proper Shipping Name: –
14.3 Transport Hazard Class(es):
 Class: Non-dangerous goods
 Label(s): –
14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –

14.7 Maritime transport in bulk according to IMO instruments: Not applicable.

SECTION 15: Regulatory information

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

EU Regulations

EU. Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: none

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

National Regulations

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

DIRECTIVE 2012/18/EU (SEVESO III) on the control of major-accident hazards involving dangerous substances

The product does not fall into the scope of the SEVESO III Directive.

SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

- | | |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H225 | Highly flammable liquid and vapor. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Other information: The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided

Product name: ND Damp Champ 2.5 wt

by/about our company. The following evaluation methods were used: - On the basis of test data - Calculation Method - Bridging Principle "Substantially similar mixtures" - Expert Judgement

Revision Date:

11.01.2023

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.