

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II,
as amended by Commission Regulation (EU) 2015/830 - The Netherlands

Product name: DITOIL® grease 1712 EP
Issue date: 28-Oct-2016
Revision date: 28-Oct-2016 **Version:** 2

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name

DITOIL® grease 1712 EP

Pure substance/mixture

Mixture

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

Recommended Use lubricant***

Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

DITOIL® BV

Street: De Run 4206

Zip code/place: 5503 LL Veldhoven

Phone: +31 (0) 40 212 33 24

Fax: +31 (0) 84 712 99 81

For further information, please contact: msds@ditoil.nl

1.4 Emergency telephone number

+31(0) 40 212 33 24

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008.***

Skin sensitisation Category 1*** - (H317)***

Chronic aquatic toxicity Category 3*** - (H412)***

2.2. Label Elements

Product Identifier

Contains 3,3"-Dicyclohexyl-1,1'-Methylenebis(4,1-Phenylene)Diureum , N-1-naphthylaniline .***



Signal Word

WARNING***

Hazard statements

H317 - May cause an allergic skin reaction

H412 - Harmful to aquatic life with long lasting effects***

Precautionary Statements - EU (§28, 1272/2008)

P273 - Avoid release to the environment

P280 - Wear protective gloves

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P501 - Dispose of contents/ container to an approved waste disposal plant***

2.3. Other Hazards

Harmful to aquatic life***

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable***

3.2 Mixtures***

Chemical name	EC No	CAS No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	weight-%
Urea, N-[4-[[4-[[[cyclohexylamino]carbonyl]amino]phenyl]methyl]phenyl]-N'-octadecyl- ***	-	154099-21-5	No data available	Aquatic Chronic 2 (H411) ***	1-5
3,3'-Diocadecyl-1,1'-Methylenebis(4,1-Phenylene) Diureum***	406-690-3	43136-14-7	No data available	Aquatic Chronic 4 (H413)	1-5
3,3'-Dicyclohexyl-1,1'-Methylenebis(4,1-Phenylene) Diureum***	406-370-3	58890-25-8	No data available	Skin Sens. 1 (H317) Aquatic Chronic 4 (H413)	1-5
N-1-naphthylaniline***	201-983-0***	90-30-2	No data available	Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) ***	0.1-1

Full text of H- and EUH-phrases: see section 16

4 FIRST AID MEASURES

4.1. Description of first aid measures

General advice

When in doubt or if symptoms are observed, get medical advice.

Inhalation

Remove to fresh air.

Skin contact

Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a doctor.

Wash off immediately with soap and plenty of water.***

Eye Contact

If substance enters the eyes, immediately rinse with plenty of water for several minutes.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

Self-protection of the first aider

Use personal protective equipment as required.***

4.2. Most important symptoms and effects, both acute and delayed

Symptoms allergic skin reaction.***

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

Note to doctors May cause sensitization of susceptible persons.***

5 FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use. Carbon dioxide (CO₂). Extinguishing powder. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire is out.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

In the event of fire and/or explosion do not breathe fumes May cause sensitisation by inhalation and skin contact Thermal decomposition can lead to release of irritating and toxic gases and vapours Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water Harmful to aquatic life with long lasting effects***

Hazardous combustion products

Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers.

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.***

6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Avoid contact with eyes and skin. Special danger of slipping by leaking/spilling product.

Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Evacuate personnel to safe areas.***

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.***

6.3. Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.***

Methods for cleaning up

Use personal protective equipment as required. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.***

6.4. Reference to other sections

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Do not breathe gas/fumes/vapour/spray. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid contact with skin, eyes or clothing.***

General hygiene considerations

Wash contaminated clothing before reuse. When using do not eat, drink or smoke.***

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Never use pressure to empty; drum is not a pressure vessel.

7.3. Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection

Wear safety glasses with side shields (or goggles).

Hand protection

Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.***

Skin and Body Protection

Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.***

Gloves must conform to standard EN 374***

Respiratory protection

None under normal use conditions.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.***

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State:	Paste/Gel Liquid***
Appearance	No information available
Color	blue
Odor	characteristic
Odor threshold	No information available

Property	Values	Remarks • Method
pH		No information available
Melting point/freezing point		No information available
Boiling point / boiling range		No information available
Flash Point	>*** 95*** °C*** /*** >*** 203*** °F***	***
Evaporation Rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air Upper flammability limit: Lower flammability limit:	No data available No data available	
Vapour pressure	No data available	@ 20°C
Vapor Density		No information available
Specific gravity	approx. 1.000*** g/cm ³ ***	@ 20°C
Water solubility	No data available	@ 20°C
Solubility(ies)	Insoluble in water***	***
Partition coefficient		No information available
Autoignition Temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity	>*** 21*** mm ² /s***	@ 40°C***
Dynamic viscosity	No data available	@ 40°C
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

10 STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

None known based on information supplied.

10.5. Incompatible materials

Incompatible with oxidizing agents. Acids. Bases.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation No data available.

Eye Contact No data available.

Skin contact No data available.

Ingestion No data available.

The following values are calculated based on chapter 3.1 of the GHS document ***

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.***

ATEmix (inhalation-dust/mist) 20.11*** mg/l/***.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, solvent dewaxed heavy paraffinic***	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	approx. 5.53 mg/l (Rat 4h)
N-1-naphthylaniline***	approx. 1625 mg/kg (Rat)***	> 5000 mg/kg (Rabbit)***	

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Sensitisation No information available.

Germ Cell Mutagenicity No information available.

Carcinogenicity No information available.

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects EYES, Respiratory System, skin.

Aspiration Hazard No information available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Harmful to aquatic life with long lasting effects***

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment***

Product Information

Acute (short-term) algae toxicity

EC50	No information available
EC0	No information available
IC50	No information available
IC0	No information available
ErC50	No information available
EbC50	No information available

Acute (short-term) fish toxicity

LC50	No information available
LC0	No information available
EC50	No information available
EC0	No information available

Acute (short-term) aquatic invertebrate toxicity

EC50	No information available
EC0	No information available

Chronic (long-term) algae toxicity

NOEC	No information available
LOEC	No information available

Chronic (long-term) fish toxicity

NOEC	No information available
LOEC	No information available

Chronic (long-term) aquatic invertebrate toxicity

NOEC	No information available
LOEC	No information available

12.2. Persistence and degradability

Product Information

biodegradation	No information available
BOD	No information available
ThCO ₂	No information available
DOC	No information available

12.3. Bioaccumulative potential

Product Information

Bioaccumulation (factor)	No information available
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Chemical name	Partition coefficient
Urea, N-[4-[[4-[[[(cyclohexylamino)carbonyl]amino]phenyl] methyl]phenyl]-N'-octadecyl]- ***	6.9***
3,3"-Dicyclohexyl-1,1'-Methylenebis (4,1-Phenylene)Diureum***	6.9***
N-1-naphthylaniline***	4.28***

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bio-accumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bio-accumulating (vPvB).

12.6. Other adverse effects

No information available

13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

Other information

Waste codes should be assigned by the user based on the application for which the product was used.***

14 TRANSPORT INFORMATION

ADR

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Labels	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
Classification code	-
Tunnel restriction code	-
Limited quantity (LQ)	-
ADR Hazard Id (Kemmler Number)	-
Note:	-

RID

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Labels	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
Classification code	-
Limited quantity (LQ)	-
Note:	-

IMDG

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Subsidiary hazard class	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
EmS-No	-
Limited quantity (LQ)	-
Note:	-
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No information available

IATA

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
Subsidiary hazard class	-
14.4. Packing group	Not regulated
Description	-
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None
ERG Code	-
Limited quantity (LQ)	-
Note:	-

15 REGULATORY INFORMATION

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

National Regulations

See section 8 for national exposure control parameters

Storage class 10

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

All of the components in the product are on the following Inventory lists:

TSCA (United States), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), China (IECSC).***

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

16 OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H411 - Toxic to aquatic life with long lasting effects

H413 - May cause long lasting harmful effects to aquatic life

H317 - May cause an allergic skin reaction

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects***

Revision note

Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006