

# SAFETY DATA SHEET

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

Revision date: 21-Sep-2015

Print date: 21-Sep-2015

Version: 1



## DCT/DSG Super HC

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

#### 1.1. Product identifier

**Trade name/designation:**

DCT/DSG Super HC

**Article No.:** 88.25.004

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

**Use of the substance/mixture:**

Lubricant

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

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

**TRUCKTEC Automotive GmbH**

Katharina-Loth-Str. 2

66386 St. Ingbert

Germany

**Telephone:** +49 6894 9269-0

**Telefax:** +49 6894 9269-90

**Website:** www.trucktec.de

**E-mail** (competent person): info@trucktec.de

#### 1.4. Emergency telephone number

Abt. Produktsicherheit, 24h: +49 700 24 112 112 (Company ID: LUB) (outside USA/Canada),

011 49 700 24 112 112 (Company ID: LUB) (inside USA/Canada), +49 38354 1795 30

(Only available during office hours.)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	
Acute toxicity (inhalative) (AcuteTox. 4)	H332: Harmful if inhaled.	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

#### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms:**



**GHS07**

Exclamation mark

**Signal word:** Warning

hazard statements for health hazards	
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
hazard statements for environmental hazards	
H412	Harmful to aquatic life with long lasting effects.

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### Supplemental Hazard information (EU): -

Precautionary statements Prevention	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
Precautionary statements Response	
P302 + P352	IF ON SKIN: Wash with plenty of water/....
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
Precautionary statements Disposal	
P501	Dispose of contents/container to ...

### 2.3. Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 68784-17-8 EC No.: 272-225-4	Isooctadecanoic acid, reaction products with tetraethylenep entamine Skin Irrit. 2, Eye Irrit. 2 H315-H319	0 – 2 Wt %
CAS No.: 36878-20-3 EC No.: 253-249-4	bis(nonylphenyl)amine Aquatic Chronic 4 H413	0 – 2 Wt %
CAS No.: 91648-65-6 EC No.: 293-927-7	1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol Aquatic Chronic 3 H412	0 – 2 Wt %

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Consult a doctor immediately. Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor immediately. After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

#### After eye contact:

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. Do NOT induce vomiting. Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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### Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Allergic reactions

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Sand Extinguishing powder Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media:

High power water jet

### 5.2. Special hazards arising from the substance or mixture

During heating or in case of fire, toxic gases is possible.

#### Hazardous combustion products:

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>). In case of fire: Gases/vapours, toxic

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing. Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Use personal protection equipment. Special danger of slipping by leaking/spilling product.

Remove persons to safety.

##### Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Do not allow to enter into surface water or drains.

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

#### For containment:

Suitable material for taking up: Sand, Kieselguhr, Universal binder, Chemical binding agents, containing acids Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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### **For cleaning up:**

Remove from the water surface (e.g. skimming, sucking). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). 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

### **6.5. Additional information**

Clear spills immediately. Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Protective measures**

#### **Advices on safe handling:**

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Avoid oil mist. Do not put any product-impregnated cleaning rags into your trouser pockets. Wear personal protection equipment (refer to section 8).

#### **Fire prevent measures:**

No special fire protection measures are necessary.

#### **Environmental precautions:**

See section 8.

#### **Advices on general occupational hygiene**

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

#### **Technical measures and storage conditions:**

Keep container tightly closed in a cool, well-ventilated place.

#### **Requirements for storage rooms and vessels:**

Suitable container/equipment material: Floors should be impervious, resistant to liquids and easy to clean. Shafts and sewers must be protected from entry of the product. Keep/Store only in original container.

#### **Hints on storage assembly:**

not required

#### **Storage class:**

10 – Combustible liquids that cannot be assigned to any of the above storage classes

#### **Further information on storage conditions:**

Store in a cool dry place. Keep away from heat.

### **7.3. Specific end use(s)**

#### **Recommendation:**

Observe technical data sheet.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
DFG (DE)	diphenylamine CAS No.: 122-39-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (einatembare Fraktion)

##### 8.1.2. Biological limit values

No data available

##### 8.1.3. DNEL-/PNEC-values

No data available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

##### 8.2.2. Personal protection equipment

###### Eye/face protection:

During transfer: Eye glasses Eye glasses with side protection

###### Skin protection:

Hand protection

NBR (Nitrile rubber), PVC (Polyvinyl chloride)

Thickness of the glove material:  $\geq 0,4$  mm

480

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.

Suitable protective clothing: Protective clothing: Tested protective gloves must be worn DIN EN 374

Suitable material: Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

###### Respiratory protection:

Usually no personal respirative protection necessary. A If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

##### 8.2.3. Environmental exposure controls

No data available

#### 8.3. Additional information

TLV-ACGIH mineral oil mist, limit 5 mg/m<sup>3</sup>

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### SECTION 9: Physical and chemical properties

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

##### Appearance

**Physical state:** liquid

**Odour:** not determined

**Colour:** yellow-orange

##### Safety relevant basis data

Parameter		at °C	Method	Remark
pH	not determined			
Melting point	not determined			
Freezing point	-42 °C			
Initial boiling point and boiling range	not determined			
Decomposition temperature (°C):	not determined			
Flash point	242 °C			
Evaporation rate	not determined			
Ignition temperature in °C	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	851 kg/m <sup>3</sup>	15 °C		
Bulk density	not determined			
Water solubility (g/L)	not determined			
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	36 mm <sup>2</sup> /s	40 °C		

#### 9.2. Other information

No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No known hazardous reactions. Risk of explosion if heated under confinement.

#### 10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions

Warning! Do not use together with other products. May release dangerous gases (chlorine).

#### 10.4. Conditions to avoid

To avoid thermal decomposition do not overheat.

#### 10.5. Incompatible materials

Materials to avoid: Acid, Reducing agent

#### 10.6. Hazardous decomposition products

Hazardous combustion products: Carbon dioxide Carbon monoxide Nitrogen oxides (NO<sub>x</sub>)

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
64741-76-0	Distillates (petroleum), heavy hydrocracked	LD <sub>50</sub> oral: 5,000 mg/kg (Rat) LD <sub>50</sub> dermal: 2,000 mg/kg (Rab) LC <sub>50</sub> inhalative: 5,000 mg/m <sup>3</sup> (Rat)
36878-20-3	bis(nonylphenyl)amine	LD <sub>50</sub> oral: 5,000 g/m <sup>3</sup> (Rat) LD <sub>50</sub> dermal: >2,000 g/m <sup>3</sup> (Rabbit)
122-39-4	diphenylamine	LD <sub>50</sub> oral: 1,120 mg/kg

#### Acute inhalation toxicity:

Toxic if inhaled.

#### Respiratory or skin sensitisation:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### SECTION 12: Ecological information

#### 12.1. Toxicity

CAS No.	Substance name	Toxicological information
64741-76-0	Distillates (petroleum), heavy hydrocracked	LC <sub>50</sub> : 100 mg/l 4 d NOEC: 100 mg/l -∞ h EC <sub>50</sub> : 10,000 mg/l 2 d NOEC: 100 mg/l -∞ h NOEC: 100 mg/l -∞ h IC <sub>50</sub> : 100 mg/l 3 d
36878-20-3	bis(nonylphenyl)amine	LC <sub>50</sub> : 100 mg/l 4 d EC <sub>50</sub> : 100 mg/l 2 d EC <sub>50</sub> : 600 mg/l 3 d
122-39-4	diphenylamine	LC <sub>50</sub> : 3.79 mg/l 4 d EC <sub>50</sub> : 1.16 mg/l 2 d EC <sub>50</sub> : 2.17 mg/l 3 d

#### Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
64741-76-0	Distillates (petroleum), heavy hydrocracked	No	
36878-20-3	bis(nonylphenyl)amine	No	

#### 12.3. Bioaccumulative potential

CAS No.	Substance name	Log KOC	Bioconcentration factor (BCF)
64741-76-0	Distillates (petroleum), heavy hydrocracked	6	
36878-20-3	bis(nonylphenyl)amine	7.6	

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
64741-76-0	Distillates (petroleum), heavy hydrocracked	–
68784-17-8	Isooctadecanoic acid, reaction products with tetraethylenepentamine	–

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36878-20-3	bis(nonylphenyl)amine	–
91648-65-6	1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	–
61791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.	–
688-84-6	2-ethylhexyl methacrylate	
122-39-4	diphenylamine	

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

##### Waste code product:

##### Remark:

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

##### Waste code packaging:

##### Remark:

Dispose of waste according to applicable legislation.

##### Waste treatment options

##### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

Non-contaminated packages may be recycled.

### 13.2. Additional information

No data available

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

### 14.1. UN-No.

not relevant

### 14.2. UN proper shipping name

not relevant

### 14.3. Transport hazard class(es)

not relevant

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

not relevant



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### 14.6. Special precautions for user

not relevant

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Other regulations (EU):

Safety data sheet available for professional user on request.

#### 15.1.2. National regulations

##### [DE] National regulations

##### Water hazard class (WGK)

##### WGK:

2 - deutlich wassergefährdend

##### Description:

hazardous to water (WGK 2)

##### Technische Regeln für Gefahrstoffe

TRGS 510

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

##### Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Regeln (BGR) 190, 192, 195

##### Other regulations, restrictions and prohibition regulations

Altöl-Verordnung (AltöIV)

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

Sections 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

### 16.2. Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

### 16.3. Key literature references and sources for data

67/548/EEC - Dangerous Substances Directive

1999/45/EEC - Dangerous Preparations Directive

EC 1907/2006 - REACH Regulation

1272/2008 EC - Regulation on classification, labeling and packaging of substances and mixtures, and amending Directives 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006

Regulation (EC) No 1907/2006 (REACH), Annex II

European Chemicals Agency (ECHA), C & L classification and labeling inventory

European Chemicals Agency (ECHA), ECHA CHEM Registered substances

OECD The Global Portal to Information on Chemical Substances (ChemPortal)

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Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA): GESTIS substance database and International limit values for chemical substances  
Federal Environment Agency, Section IV 2.4: Documentation and Information Centre substances hazardous to water Rigoletto (catalog substances hazardous to water)

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

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	
Acute toxicity (inhalative) (Acute Tox. 4)	H332: Harmful if inhaled.	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### 16.6. Training advice

No data available

### 16.7. Additional information

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 madeup material.