

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

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

1.1. Product identifier

Trade name/designation:

ATF CVT Fluid

Article No.: 88.25.011

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: 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]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard components for labelling:

2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol; Distillates (petroleum), ydrotreated heavy paraffinic; Base oil - not specified; Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Reaction products of amines, dicoco alkyl and glycollic acid

Hazard statements: -

Supplemental hazard information	
EUH208	Contains 1,2-propanediol, 3-amino, N, N-dicardi alkyl derivs., C14-18 alpha-olefin epoxide, reaction products with boric acid, Reaction products of amines, dicoco alkyl and glycollic acid. May produce an allergic reaction.

Precautionary statements: -

2.3. Other hazards

No data available

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

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.: 64742-54-7 EC No.: 265-157-1 REACH No.: 01-2119484627-25	Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified Asp. Tox. 1 Danger H304	32 – ≤ 54.6 weight-%
CAS No.: 72623-86-0 EC No.: 276-737-9 REACH No.: 01-2119474878-16	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Asp. Tox. 1 Danger H304	14 – ≤ 24 weight-%
EC No.: 471-920-1 REACH No.: 01-0000019770-68	Reaction products of amines, dicoco alkyl and glycolic acid Skin Sens. 1B Warning H317	0 – ≤ 1.07 weight-%
CAS No.: 36878-20-3 EC No.: 253-249-4 REACH No.: 01-2119488911-28	bis(nonylphenyl)amine Aquatic Chronic 4 H413	0 – ≤ 1.07 weight-%
CAS No.: 1809-19-4 EC No.: 217-316-1 REACH No.: 01-2119967767-15	dibutyl phosphonate Aquatic Chronic 3, Eye Irrit. 2, Skin Irrit. 2 Warning H315-H319-H412	0 – ≤ 1.07 weight-%
CAS No.: 2467-13-2 EC No.: 219-581-9 REACH No.: 01-2120120362-73	tris(2-ethylhexyl) orthoborate Eye Irrit. 2 Warning H319	0 – ≤ 1.07 weight-%
EC No.: 939-580-3 REACH No.: 01-2119976364-28	C14-18 alpha-olefin epoxide, reaction products with boric acid Skin Sens. 1B Warning H317	0 – < 0.22 weight-%
EC No.: 482-000-4 REACH No.: 01-0000020142-86	1,2-propanediol, 3-amino, N, N-dicardi alkyl derivs. Aquatic Chronic 3, Skin Sens. 1B Warning H317-H412	0 – < 0.22 weight-%
CAS No.: 1218787-32-6 EC No.: 620-540-6 REACH No.: 01-2119510877-33	2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Skin Corr. 1C Danger H302-H314-H400-H410 M-factor (acute): 10 Mfactor (chronic): 1	0 – < 0.22 weight-%

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. 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.

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.

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

After ingestion:

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

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

No data available

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 (CO₂)

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 (CO₂) Nitrogen oxides (NO_x) 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.

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

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).

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.

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

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 ³ ② 10 mg/m ³ ⑤ (einatembare Fraktion)

8.1.2. Biological limit values

No data available

8.1.3. DNEL/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0	2.73 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0	5.58	① DNEL worker ② Long-term – inhalation, systemic effects
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0	0.97 mg/kg	① DNEL worker ② Long-term – inhalation, systemic effects
Reaction products of amines, dicoco alkyl and glycolic acid	0.417 mg/cm ²	① DNEL worker ② Long-term – inhalation, systemic effects
bis(nonylphenyl)amine CAS No.: 36878-20-3	5 mg/kg bw/day	① DNEL worker ② Long-term – inhalation, systemic effects
dibutyl phosphonate CAS No.: 1809-19-4	7 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects
dibutyl phosphonate CAS No.: 1809-19-4	1 mg/kg bw/day	① DNEL worker ② Long-term – inhalation, systemic effects
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2	24.7 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2	350 mg/kg bw/day	① DNEL worker ② Long-term – inhalation, systemic effects
C14-18 alpha-olefin epoxide, reaction products with boric acid	5.88 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects
C14-18 alpha-olefin epoxide, reaction products with boric acid	16.7 mg/kg bw/day	① DNEL worker ② Long-term – inhalation, systemic effects
2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol CAS No.: 1218787-32-6	2.112 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects
2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol CAS No.: 1218787-32-6	0.3 mg/kg bw/day	① DNEL worker ② Long-term – inhalation, systemic effects

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

Substance name	PNEC value	① PNEC type
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0	9.99 mg/kg	① PNEC secondary poisoning
Reaction products of amines, dicoco alkyl and glycolic acid	400 µg/l	① PNEC aquatic, freshwater
Reaction products of amines, dicoco alkyl and glycolic acid	40 µg/l	① PNEC aquatic, marine water
Reaction products of amines, dicoco alkyl and glycolic acid	100 mg/l	① PNEC sewage treatment plant
bis(nonylphenyl)amine CAS No.: 36878-20-3	412 µg/l	① PNEC aquatic, freshwater
bis(nonylphenyl)amine CAS No.: 36878-20-3	41.2 µg/l	① PNEC aquatic, marine water
bis(nonylphenyl)amine CAS No.: 36878-20-3	1 mg/l	① PNEC aquatic, intermittent release
dibutyl phosphonate CAS No.: 1809-19-4	14.4 µg/l	① PNEC aquatic, freshwater
dibutyl phosphonate CAS No.: 1809-19-4	1.44 µg/l	① PNEC aquatic, marine water
dibutyl phosphonate CAS No.: 1809-19-4	100 mg/l	① PNEC sewage treatment plant
butyl phosphonate CAS No.: 1809-19-4	144 µg/l	① PNEC aquatic, intermittent release
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2	2.4 µg/l	① PNEC aquatic, freshwater
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2	0.33 µg/l	① PNEC aquatic, marine water
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2	100 mg/l	① PNEC sewage treatment plant
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2	0.433 mg/kg	① PNEC sediment, freshwater
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 398141-87-2	0.0596 mg/kg	① PNEC soil, marine water
C14-18 alpha-olefin epoxide, reaction products with boric acid	0.2 mg/l	① PNEC aquatic, freshwater
C14-18 alpha-olefin epoxide, reaction products with boric acid	0.02 mg/l	① PNEC aquatic, marine water
C14-18 alpha-olefin epoxide, reaction products with boric acid	100 mg/l	① PNEC sewage treatment plant
C14-18 alpha-olefin epoxide, reaction products with boric acid	8,556 mg/kg	① PNEC sediment, freshwater
C14-18 alpha-olefin epoxide, reaction products with boric acid	855.6 mg/kg	① PNEC sediment, marine water
2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol CAS No.: 1218787-32-6	0.214 µg/l	① PNEC aquatic, freshwater
2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol CAS No.: 1218787-32-6	0.0214 µg/l	① PNEC aquatic, marine water

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol CAS No.: 1218787-32-6	1.5 mg/l	① PNEC sewage treatment plant
2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol CAS No.: 1218787-32-6	0.87 µg/l	① PNEC aquatic, intermittent release

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 with side protection

Wear eye/face protection. DIN EN 166

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 respiratory protection necessary. A If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filtering device with filter or ventilator filtering device of type: A

8.2.3. Environmental exposure controls

See section 7. No additional measures necessary

8.3. Additional information

Mineral oil mist limits:

OSHA PEL - value 5 mg / m³, ACGIH STEL - value of 10 mg / m³

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Odour: not determined

Colour: yellow

Safety relevant basis data

Parameter		at °C	Method	Remark
pH	6.5	20 °C		
Melting point	not determined			
Freezing point	-45 °C			
Initial boiling point and boiling range	not determined			
Decomposition temperature (°C):	not determined			
Flash point	202 °C			

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

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	849 kg/m ³	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	33 mm ² /s	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions. Combustible

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

To avoid thermal decomposition do not overheat.

10.5. Incompatible materials

Materials to avoid: Acid, Oxidising agent, Reducing agent

10.6. Hazardous decomposition products

Hazardous combustion products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NO_x)
Gases/vapours, toxic

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified	LD50 oral: 5,000 mg/kg (Rat) OECD 401 LD50 dermal: 5,000 mg/kg (Rabbit) OECD 402 LC50 Acute inhalation toxicity (dust/mist): 5.53 mg/l 4 h (Rat) OECD 403
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	LD50 oral: 5,000 mg/kg (Rat) LD50 dermal: >2,000 mg/kg (rabbit) LC50 Acute inhalation toxicity (dust/mist): >5.53 mg/l 4 h
	Reaction products of amines, dicoco alkyl and glycollic acid	LD50 oral: 2,500 mg/kg (Rat) LD50 dermal: 2,000 mg/kg (Rat)

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

36878-20-3	bis(nonylphenyl)amine	LD50 oral: 5,000 g/m ³ (Rat) LD50 dermal: >2,000 g/m ³ (Rabbit) LC50 Acute inhalation toxicity (dust/mist): >5 mg/l
1809-19-4	dibutyl phosphonate	LD50 oral: 3,200 mg/kg (Rat) LD50 dermal: 1,990 mg/kg (Rabbit)
2467-13-2	tris(2-ethylhexyl) orthoborate	LD50 oral: 2,000 mg/kg LD50 dermal: 2,000 mg/kg
	14-18 alpha-olefin epoxide, reaction products with boric acid	LD50 oral: >16,000 mg/kg (Rat) LD50 dermal: >2,000 mg/kg (Rat)
	1,2-propanediol, 3-amino, N, N- dicardi alkyl derivs.	LD50 oral: >2,500 mg/kg LD50 dermal: >2,000 mg/kg
121878 7-32-6	2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol	LD50 oral: ≥1,200 – ≤2,000 mg/kg (Rat)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

Contains 1,2-propanediol, 3-amino, N, N-dicardi alkyl derivs., C14-18 alpha-olefin epoxide, reaction products with boric acid, Reaction products of amines, dicoco alkyl and glycollic acid.

May produce an allergic reaction.

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

Additional information:

No data available

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
64742-54-7	Distillates (petroleum), hydro-treated heavy paraffinic; Base oil - not specified	LC ₅₀ : 100 mg/l 4 d (fish) NOEC: 100 mg/l 4 d (fish) EC ₅₀ : 10,000 mg/l 2 d (crustaceans) LC ₅₀ : 10,000 mg/l 4 d (crustaceans) NOEC: 100 mg/l 3 d (Algae/water plant)
	Reaction products of amines, dicoco alkyl and glycolic acid	LC ₅₀ : 77 mg/l 2 d (crustaceans) NOEC: 56 mg/l 21 d (crustaceans) EC ₅₀ : 160 mg/l 3 d (Algae/water plant) NOEC: 20 mg/l 3 d (Algae/water plant)
36878-20-3	bis(nonylphenyl)amine	LC ₅₀ : >100 mg/l 4 d (fish) EC ₅₀ : >100 mg/l 2 d (crustaceans) EC ₅₀ : 600 mg/l 3 d (Algae/water plant)
1809-19-4	dibutyl phosphonate	LC ₅₀ : 63.4 mg/l 4 d (fish) LC ₅₀ : 20.8 mg/l 2 d (crustaceans) EC ₅₀ : 14.4 mg/l 3 d (Algae/water plant) NOEC: 5.1 mg/l 3 d (Algae/water plant)
2467-13-2	tris(2-ethylhexyl) orthoborate	LC ₅₀ : 21.17 mg/l 4 d (fish) LC ₅₀ : 2.6 mg/l 2 d (crustaceans) EC ₅₀ : 9 mg/l 3 d (Algae/water plant)
	C14-18 alpha-olefin epoxide, reaction products with boric acid	LC ₅₀ : >100 mg/l 4 d (fish) LC ₅₀ : >100 mg/l 3 d (Algae/water plant) EC ₅₀ : >100 mg/l 2 d (crustaceans)
	1,2-propanediol, 3-amino, N, N-dicardi alkyl derivs.	LC ₅₀ : >100 mg/l 4 d (fish) NOEC: 100 mg/l 4 d (fish) EC ₅₀ : 230 mg/l 2 d (crustaceans) NOEC: 32 mg/l 2 d (crustaceans) EC ₅₀ : 10 mg/l 3 d (Algae/water plant) NOEC: 3.2 mg/l 3 d (Algae/water plant)
121878 7-32-6	2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol	LC ₅₀ : ≥0.1 mg/l 4 d (fish) EC ₅₀ : 0.043 mg/l 2 d (crustaceans) EC ₅₀ : 0.0867 mg/l 3 d (Algae/water plant)

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
36878-20-3	bis(nonylphenyl)amine	–	

12.3. Bioaccumulative potential

CAS No.	Substance name	Log KOC	Bioconcentration factor (BCF)
	Reaction products of amines, dicoco alkyl and glycolic acid		222
36878-20-3	bis(nonylphenyl)amine	7.6	1,584.89
1809-19-4	dibutyl phosphonate	1.81	

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
64742-54-7	Distillates (petroleum), heavy hydrocracked	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
72623-86-0	dibutyl phosphonate	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

	bis(nonylphenyl)amine	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
36878-20-3	diphenylamine	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
1809-19-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
2467-13-2	tris(2-ethylhexyl) orthoborate	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
	C14-18 alpha-olefin epoxide, reaction products with boric acid	–
	1,2-propanediol, 3-amino, N, N-dicardi alkyl derivs.	–
121878 7-32-6	2,2'-(C16-18 (Evennumbered, C18 unsaturated) alkyl imino) diethanol	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

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 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

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

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)
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14.1. UN-No.

No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
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14.2. UN proper shipping name

No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
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14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

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

not applicable

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 (DGUV-Vorschriften)

Berufsgenossenschaftliche Informationen (DGUV-Informationen) 868

Berufsgenossenschaftliche Regeln (DGUV-Regeln) 189, 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.

SECTION 16: Other information

16.1. Indication of changes

1.1.	Product identifier
2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
9.1.	Information on basic physical and chemical properties
11.1.	Information on toxicological effects
12.1.	Toxicity

16.2. Abbreviations and acronyms

See overview table at www.euphrac.eu

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

SAFETY DATA SHEET

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

Revision date: 14-Sep-2015

Print date: 21-Sep-2015

Version: 1



ATF CVT

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)
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]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

Hazard statements	
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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.

* Data changed compared with the previous version