ATF D

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 12-3-2021 Revision date: 7-12-2021 Supersedes: 12-3-2021 version: 2.0

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

1.1. Product identifier

Product form : Mixture
Product name : ATF D
Product code : ATR.ATF D
Type of product : Other engine, gear and lubricating oils.
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Professional use,Consumer use,Industrial use
Industrial/Professional use spec : Non-dispersive use
Used in closed systems
Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Auto-Teile-Ring GmbH
Marie-Curie-Strasse 3
D-73770 Denkendorf Denkendorf - Germany
T +49 (0)711 918979-99
info@cartechnic.de - www.cartechnic.de

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH-statements : EUH208 - Contains 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Highly refined mineral oil, contains <3% (w/w) DMSO extract, according to IP346

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	(CAS-No.) 91648-65-6 (EC-No.) 293-927-7 (REACH-no) 01-2119976351-35	≥ 1 – ≤ 2,49	Aquatic Chronic 3, H412
Bis(nonylphenyl)amine	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	≥ 1 – ≤ 2,49	Aquatic Chronic 4, H413
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate	(CAS-No.) 93882-40-7 (EC-No.) 299-434-3 (REACH-no) 01-2120735527-50	≥ 0,1 – ≤ 0,49	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	(CAS-No.) 68457-79-4 (EC-No.) 270-608-0 (REACH-no) 01-2119493628-22	≥ 0,1 – ≤ 0,29	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

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

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation : Not required.

After skin contact : Wash skin with mild soap and water.

After eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.

After ingestion : Do NOT induce vomiting. Rinse mouth out with water. Get immediate medical advice/attention.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
Not expected to present a significant hazard under anticipated conditions of normal use.

After inhalation : Not expected to present a significant hazard under anticipated conditions of normal use.

After skin contact : Not expected to present a significant hazard under anticipated conditions of normal use.

After eye contact : Not expected to present a significant hazard under anticipated conditions of normal use.

After ingestion : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, powder, foam and CO2.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire.

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and gloves.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Detergent. Clean up any spills as soon as possible, using an absorbent material to collect it.

Other information : Spill area may be slippery. Use suitable disposal containers.

6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Additional hazards when processed : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Handling temperature : < 40 °C

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures : Store in a closed container.

Storage temperature : ≤ 40 °C

Storage area : Store in dry, well-ventilated area.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Additional information : Based on ACGIH TLV, a concentration of 5 mg/m3 oilspray (TWA, 8 hour workday) is recommended.

8.2. Exposure controls
Personal protective equipment:

Gloves. Safety glasses.

Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR), Chloroprene rubber (CR)	6 (> 480 minutes)	> 0,4		EN ISO 374

Eye protection:

Safety goggles

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
Physical state : Liquid

Appearance : Oily liquid.

Colour : Red.

Odour : Characteristic.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point	: No data available
Flash point	: > 160 °C @ ASTM D92
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 851 kg/m³ @ 15°C
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 38 mm²/s @ 40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 – 6 vol %

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
None under normal conditions.
10.2. Chemical stability
Stable under normal conditions of use.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
No naked flames, sparks, and do not smoke.
10.5. Incompatible materials
Strong oxidizing agent. Acids and bases.
10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (91648-65-6)	
LD50 oral rat	> 10000 mg/kg OECD 401
LD50 dermal rat	> 2000 mg/kg OECD 402
LC50 Inhalation - Rat	> 2,75 mg/l/4h OECD 403

4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)	
LD50 oral	> 10000 mg/kg

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)	
LD50 oral rat	3600 mg/kg OECD 401
LD50 dermal rat	20000 mg/kg OECD 402

Bis(nonylphenyl)amine (36878-20-3)	
LD50 oral rat	> 5000 mg/kg OECD 401
LD50 oral	> 2000 mg/kg OECD 402

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified

Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

ATF D	
Viscosity, kinematic	38 mm²/s @ 40°C

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (91648-65-6)	
LC50 fish 1	> 1000 mg/l Pimpephales promelas
EC50 Daphnia 1	41 mg/l Dpahnia Magna
EC50 72h - Algae [1]	> 100 mg/l Selenastrum capricornutum
NOEC chronic crustacea	32 mg/l Daphnia magna @2d
NOEC chronic algae	100 mg/l Selenastrum capricornutum @3d

4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)	
LC50 fish 1	> 1000 mg/l 96h Cyprinodon variegatus OECD 203
LC50 fish 2	> 100 mg/l 96h Oryzias latipes OECD 203
EC50 Daphnia 1	9,5 mg/l OECD 202
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subscapitata- OECD 201

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)	
LC50 fish 1	4,5 ml/l OECD 203 (Cyprinodon variegatus, 96h)
EC50 Daphnia 1	23 ml/l OECD 202, Daphnia magna , 72h)
EC50 72h - Algae [1]	21 mg/l

Bis(nonylphenyl)amine (36878-20-3)	
LC50 fish 1	> 100 mg/l OECD 203 (Danio rerio @96h)
EC50 Daphnia 1	> 100 mg/l OECD 202 (Daphnia magna)
EC50 72h - Algae [1]	> 100 mg/l OECD 201 (Desmodesdus subspicatus)

12.2. Persistence and degradability

ATF D	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (91648-65-6)	
Biodegradation	2 % @28d-OECD TG 301F

4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	11 – 14 % OECD 301

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)	
Biodegradation	1,5 % OECD 301B

Bis(nonylphenyl)amine (36878-20-3)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	1 % @28d

12.3. Bioaccumulative potential

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (91648-65-6)	
Log Kow	9,4 measured

4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)	
Bioaccumulative potential	Bioaccumulation possible.

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)	
Log Pow	0,69

Bis(nonylphenyl)amine (36878-20-3)	
Log Pow	> 7,6
Bioaccumulative potential	Bioaccumulation possible.

12.4. Mobility in soil

4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7)	
Soil	Adsorbs into the soil.

Bis(nonylphenyl)amine (36878-20-3)	
Soil	Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : This material and its container must be disposed of in a safe way, and as per local legislation.

SECTION 14: Transport information

In accordance with ADR / IMDG

ADR	IMDG
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	
Not applicable	Not applicable
14.3. Transport hazard class(es)	
Not applicable	Not applicable
14.4. Packing group	
Not applicable	Not applicable
14.5. Environmental hazards	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No
No supplementary information available	

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

14.7. Transport in bulk according to Annex II of Marpol 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-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Type of product	Added	
	Adverse effects on the environment caused by endocrine disrupting properties	Added	
	Revision date	Modified	
	Supersedes	Modified	
1.1	Product group	Added	
1.2	Main use category	Modified	
1.2	Use of the substance/mixture	Modified	
1.2	Industrial/Professional use spec	Modified	
2.2	EUH-statements	Added	
3	Composition/information on ingredients	Modified	
4.1	After eye contact	Modified	
4.1	After inhalation	Modified	
4.1	After skin contact	Modified	
5.1	Suitable extinguishing media	Modified	
5.1	Unsuitable extinguishing media	Modified	
5.3	Firefighting instructions	Modified	
6.1	Protective equipment	Modified	
6.2	Environmental precautions	Modified	
6.3	Other information	Modified	
6.3	Methods for cleaning up	Modified	
7.1	Precautions for safe handling	Modified	

7.1	Additional hazards when processed	Added	
7.2	Storage temperature	Modified	
7.2	Technical measures	Modified	
7.2	Storage area	Modified	
8.2	Hand protection	Modified	
8.2	Respiratory protection	Modified	
9.1	Density	Modified	
9.1	Appearance	Modified	
9.1	Flash point	Modified	
9.1	Viscosity, kinematic	Modified	
9.1	Solubility	Added	
10.2	Chemical stability	Modified	
10.3	Possibility of hazardous reactions	Modified	
10.4	Conditions to avoid	Modified	
10.5	Incompatible materials	Modified	
10.6	Hazardous decomposition products	Modified	
12.2	Persistence and degradability	Modified	
13.1	Additional information	Added	

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	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.
EUH208	Contains 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

SDS MPM REACH

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.